Ann Arbor Public Schools

High School Course Selection Guide

Grades 9 – 12

2020-2021 School Year
Community High School
401 N. Division
Ann Arbor, Michigan 48104
(734) 994-2025

Huron High School
2727 Fuller Road
Ann Arbor, Michigan 48105
(734) 994-2040

Pathways to Success
Academic Campus
2800 Stone School Road
Ann Arbor, Michigan 48104
(734) 997-1237

Pioneer High School
601 W. Stadium Blvd
Ann Arbor, Michigan 48103
(734) 994-2120

Skyline High School
2552 N. Maple Road
Ann Arbor, Michigan 48103
(734) 994-6515
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Ann Arbor Public Schools’ Comprehensive Guidance & Counseling Program provides the complete support all students need to achieve their academic, personal/social and career development objectives.

The program includes four unique but interconnected components – Guidance Curriculum, Responsive Services, Individual Student Planning and Systems Support – designed to help make the most of each student’s middle and high school experience.

### MIDDLE SCHOOL COUNSELING OFFICES

**Ann Arbor Open**
- Kelly Maveal 994-1910 mavealk@a2schools.org 5th-8th grades

**A2 STEAM**
- Stuart Parnes 994-1958 parness@a2schools.org 6th-8th grades

**A2 Virtual**
- Allan Loeb 997-1208 loeb@a2schools.org all students

**Clague Middle School**
- TBD 994-1980
  - Bill Johnson 994-1980 johnsonw@a2schools.org 7th grade
  - Alison Muehlman 994-1980 muehlmana@a2schools.org 8th grade

**Forsythe Middle School**
- Rita Morris 994-1985 morrisr@a2schools.org 6th grade
- Amanda Hollis 994-1985 hollisam@a2schools.org 7th grade
- Erin Sorensen 994-1985 sorensene@a2schools.org 8th grade

**Scarlett Middle School**
- Kelly Kellar 997-1220 kellara2schools.org 6th grade
- Robyn Watson 997-1220 watsonr@a2schools.org 7th grade
- Madeline Micou 997-1220 micou@a2schools.org 8th grade

**Slauson Middle School**
- Stacia Weeks 994-2004 weeks@a2schools.org 6th grade
- Julie Monan 994-2004 monanj@a2schools.org 7th grade
- Kevin Chung 994-2004 chungk@a2schools.org 8th grade

**Tappan Middle School**
- Gwen Bonnee 994-2017 bonnee@a2schools.org 6th grade
- Robert Oden 994-2017 odener@a2schools.org 7th grade
- Karel Graham 994-2017 grahamk@a2schools.org 8th grade

Course offerings are subject to sufficient enrollment; course offerings and descriptions are subject to change.
## HIGH SCHOOL COUNSELING OFFICES

### Community High School
- **Amy McLoughlin**: 994-2027, mclough@a2schools.org
- **Brian Williams**: 994-2027, willia18@a2schools.org

### Pathways to Success Academic Campus
- **Marissa Bailey-Johnson**: 997-1237, baileyjohnsonm@a2schools.org (students A-K)
- **LaRae Brannon**: 997-1237, brannonl@a2schools.org (students L-Z)

### Huron High School
- **Ivory Wright**: 994-4438, wrighti@a2schools.org (College & Career Center)
- **Rashonda Jamerson**: 994-2057, jamerson@a2schools.org (Rising Scholars)
- **Caitlin VanClevde**: 994-2051, vanclevvec@a2schools.org (A-G, grades 9 & 11)
- **Emily Mashal**: 994-2050, mashale@a2schools.org (H-O, grades 9 & 11)
- **Nina Perko**: 994-2058, perkon@a2schools.org (P-Z, grades 9 & 11)
- **Heather Potocki**: 994-8203, potockih@a2schools.org (A-He, grades 10 & 12)
- **Terri Castron**: 994-2064, castront@a2schools.org (Hi-Pe, grades 10 & 12)
- **Nicoe Nunlee**: 994-2325, nunleen@a2schools.org (Ph-Z, grades 10 & 12)

### Pioneer High School
- **Jake McLouth**: 994-2116, mclouthj@a2schools.org (College & Career Center)
- **Colleen Creal**: 994-1944, creal@a2schools.org (9th grade transition, foreign exchange)
- **Sara Vance**: 994-2149, vance@a2schools.org (students A-Ch)
- **Kevin Kilgore**: 994-2188, kilgorek@a2schools.org (students Ci-G)
- **Connie Akins**: 994-2131, akinsc@a2schools.org (students H-K & Rising Scholars)
- **Christine Woods**: 994-2146, woodsch@a2schools.org (students L-O)
- **Stephanie Carter**: 994-2124, carters@a2schools.org (students P-So)
- **Christopher Kasper**: 994-8229, kasperc@a2schools.org (students Sp-Z)

### Skyline High School
- **Cheryl Haller**: 994-6515, haller@a2schools.org (College & Career Center)
- **Heather Schimmel**: 994-7695, schimmel@a2schools.org (9th Grade (Integrity & Diversity) & Skysquad)
- **Charissa Bass-Brown**: 994-7685, brownbassc@a2schools.org (9th Grade (Equality & Acad Innovation) & Skysquad)
- **Dennis Brunzell**: 994-7674, brunzeld@a2schools.org (students A-De, grades 10-12)
- **David Almassy**: 994-8492, almassyld@a2schools.org (students Di-H, grades 10-12)
- **Liza Dedvukaj**: 994-7721, dedvukajl@a2schools.org (students I-Mi, grades 10-12)
- **Jacinta Nafziger**: 994-7701, nafzigerj@a2schools.org (students Mo-Sh, grades 10-12)
- **Tiffany Kincaid**: 994-7683, kincaidtt@a2schools.org (students Si-Z, grades 10-12)

Course offerings are subject to sufficient enrollment; course offerings and descriptions are subject to change.

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2020-2021 High School Course Guide
### SUBJECT AREA CREDIT REQUIREMENTS

Each student must earn **18 credits** in the subject areas and courses specified below:

<table>
<thead>
<tr>
<th>Subject Area</th>
<th>Credits</th>
<th>Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Arts</strong></td>
<td>1.0</td>
<td>Visual, performing and applied arts (1 credit)</td>
</tr>
</tbody>
</table>
| **English Language Arts** | 4.0    | English 9* (1 credit)  
English 10* (1 credit)  
English electives (2 credits) |
| **Health**            | 0.5     | Health & Wellness (.5 credit)                                                |
| **Mathematics**       | 4.0     | Algebra I (1 credit)†  
Geometry (1 credit)  
Algebra II (1 credit)  
Mathematics elective – Grade 12 (1 credit)  
† Algebra I credit earned in 8th grade applies toward graduation requirements |
| **Physical Education**| 0.5     | Personal Fitness (.5 credit)                                                |
| **Science**           | 3.0     | Biology (1 credit)  
Chemistry (.5 credit)  
Physics (.5 credit)  
Earth Science (1.0 credit) |
| **Social Studies**    | 3.0     | World History & Geography (1 credit)  
United States History & Geography (1 credit)  
United States Government (.5 credit)  
Economics (.5 credit) |
| **World Language**    | 2.0     |                                                                              |

**ALSO REQUIRED:**
- Online Integrated Learning Experience
- Electives 4.0

**Total Credits Required To Earn A High School Diploma** 22

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*Course names may differ among schools from what appears above. The detailed course selection guide will indicate whether the course will meet the specific requirement in these subject areas.

NCAA eligibility must be established prior to graduation. Students must review course selection with counselors to ensure requirements are met.

ANN ARBOR PUBLIC SCHOOLS STATEMENT OF NON-DISCRIMINATION

No person shall be excluded from participation in, be denied the benefits of, or be subjected to discrimination in any educational program or activity available in any school on the basis of race, color, sex, religion, creed, political belief, age, national origin, linguistic and language differences, sexual orientation, gender, gender identity, gender expression, socioeconomic status, height, weight, marital or familial status, disability or veteran status. The following person has been designated to handle inquiries regarding the nondiscrimination policies: The Executive Director of Human Resources, 2555 S. State Street, Ann Arbor, MI 48104, (734) 994-9444.
Goals are essential to planning your career. They serve as a road map, giving you a destination and a route. With a concrete path, you will be able to plan for and achieve the career of your choice. There is no better time to plan for your future than now. To help you along the way, complete the four-year high school plan using graduation requirements and electives that support your career path. Include work-related experience in your plan. As you gain new experiences, you may find the need to revise your plan. Remember that this plan should reflect your interests and abilities and should be INDIVIDUALIZED TO MEET YOUR NEEDS.

### Course Offerings

**Grade 9**

<table>
<thead>
<tr>
<th>1st TERM</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6*</th>
<th>7*</th>
</tr>
</thead>
<tbody>
<tr>
<td>2nd TERM</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6*</td>
<td>7*</td>
</tr>
<tr>
<td>3rd TERM (Skyline Only-Trimester Schedule)</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Grade 10**

<table>
<thead>
<tr>
<th>1st TERM</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6*</th>
<th>7*</th>
</tr>
</thead>
<tbody>
<tr>
<td>2nd TERM</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6*</td>
<td>7*</td>
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<tr>
<td>3rd TERM (Skyline Only-Trimester Schedule)</td>
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<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
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</table>

**Grade 11**

<table>
<thead>
<tr>
<th>1st TERM</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6*</th>
<th>7*</th>
</tr>
</thead>
<tbody>
<tr>
<td>2nd TERM</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6*</td>
<td>7*</td>
</tr>
<tr>
<td>3rd TERM (Skyline Only-Trimester Schedule)</td>
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<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
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</table>

**Grade 12**

<table>
<thead>
<tr>
<th>1st TERM</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6*</th>
<th>7*</th>
</tr>
</thead>
<tbody>
<tr>
<td>2nd TERM</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6*</td>
<td>7*</td>
</tr>
<tr>
<td>3rd TERM (Skyline Only-Trimester Schedule)</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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2020-2021 High School Course Guide
A2 VIRTUAL+ ACADEMY:
The primary objective for the A2 Virtual+ Academy is to provide students access to online and extended learning options that will help them to develop a personalized learning path. Visit the website for more information at http://www.a2virtual.org.

There are a variety of online courses that students may take through A2 Virtual+ Academy. Students approved for an online course are required to complete an orientation and have a minimum of two of their tests proctored. Students can request to take an online course by completing registration and following the directions posted at http://www.a2virtual.org.

ADULT EDUCATION:
You do not have to live in the Ann Arbor school district to take advantage of the AAPS Adult Education program. Free classes are offered for adults 18 and older who wish to improve their English language skills or complete their high school education by earning their General Equivalency Degree (GED) certificate. Please call (734) 997-1250 for more information.

ADVANCED CAREER AND TECHNICAL EDUCATION:
Advanced Career and Technical Education programs are hands-on, professional learning courses. Instruction is related to the skills and practices for specific occupational areas. These programs are open to all high school students. Students are encouraged to talk with their counselors.

COMMUNITY RESOURCE PROGRAM:
The Community Resource Program offers a non-traditional choice to all AAPS secondary students. The program offers students flexibility in how they earn high school credits by offering:
- Student/mentor created, self-paced courses
- Specialized or in-depth experiences
- Flexibility in curriculum design
- Non-traditional educational settings

See the CR website for more information: http://bit.ly/aaps-cr
Or contact your Counselor or the CR office at Community High School at (734) 994-2026.

CR Courses:
A Community Resource (CR) course is an individualized, learning experience conducted by a member of the community who is an expert in their field of study. CR courses are designed to help students explore their community, enrich the curriculum, and meet individual needs through non-traditional methods. Students may study in a variety of community settings including universities, businesses, social service agencies or any location of the student’s choosing. A certified AAPS teacher, called a CR Monitor, approves and monitors all CR courses. Courses must align with the Michigan Merit Curriculum.

CREDIT:
One (1) full unit of credit is the equivalent of one class period per day, five days per week, for one school year.
EARLY GRADUATION:

Students who complete the minimum graduation requirements in fewer than four years are encouraged to explore other course offerings in high school. Allowable variances from this general requirement include:

a. Early admission to an institution of higher education
b. Early admission to a technical training school or other valid post-secondary educational setting
c. Entrance into a branch of military service
d. Employment in the private or public sector

ENROLLMENT OPPORTUNITIES:

Dual Enrollment:
Under certain conditions, a secondary student may enroll in a class in a Michigan public or private college and receive partial, or full, tuition and fees from the school district. Contact your Counselor for more information.

Split Enrollment:
Under certain conditions, a student may enroll in a class (or classes) at another Ann Arbor Public high school other than their assigned school. This is considered a split-enrolled student. Contact your Counselor for more information.

FOREIGN EXCHANGE REQUIREMENTS:

International exchange students who qualify for senior status and desire a diploma from the Ann Arbor Public School district must earn 4.0 credits distributed as follows:

- American Literature  (0.5)
- Additional English Elective  (0.5)
- United States Government  (0.5)
- United States History  (1.0)
- Additional Electives  (1.5)

GRADE POINT AVERAGE (GPA):

GPA is a number that represents the average of all courses calculated on work completed in grades 9-12. The high school GPA is used also to determine rank in class.

To calculate your grade point average, take the sum of the total grade points multiplied by the credit for each course divided by the sum of all credits attempted.

\[
\frac{\sum (\text{grade points}) \times (\text{credit for each course})}{\sum \text{all credits attempted}}
\]
**GRADE POINT SYSTEM:**

This table reflects the 4.00 grade point scale. To compute your GPA, add up the number of Grade Points received and divide by the number of credits attempted.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Grade Points</th>
<th>Weighted Grade Points for AC/AP/DP/CP Courses (Honor Courses)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4.00</td>
<td>4.00</td>
</tr>
<tr>
<td>A-</td>
<td>3.67</td>
<td>4.00</td>
</tr>
<tr>
<td>B+</td>
<td>3.33</td>
<td>3.67</td>
</tr>
<tr>
<td>B</td>
<td>3.00</td>
<td>3.33</td>
</tr>
<tr>
<td>B-</td>
<td>2.67</td>
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<td>C+</td>
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<td>2.00</td>
<td>2.33</td>
</tr>
<tr>
<td>C-</td>
<td>1.67</td>
<td>2.00</td>
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<tr>
<td>D+</td>
<td>1.33</td>
<td>1.67</td>
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<tr>
<td>D</td>
<td>1.00</td>
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<td>D-</td>
<td>0.67</td>
<td>1.00</td>
</tr>
<tr>
<td>E</td>
<td>0.00</td>
<td>No Weighting</td>
</tr>
</tbody>
</table>

**HIGH SCHOOL DIPLOMA:**

A certificate that represents 22 credits earned within four years of study in grades 9-12 (or its equivalent).

**NAVIANCE:**

Naviance is a comprehensive college and career readiness solution that helps 6th through 12th grade students identify and explore strengths and interests to post-secondary goals, improve student outcomes, and connect learning to life. All middle school and high school students have a Naviance account, and they regularly access the account through grade-level designed curricular activities.

**SPECIAL EDUCATION SERVICES:**

Special Education services for the Ann Arbor Public Schools are operated and administered through the Student Intervention and Support Services (SISS) department, local buildings, and the Washtenaw Intermediate School District. Federal and State law regulates Special Education. Contact your Counselor or the SISS Department at (734) 994-2318 for more information.
STANDARDIZED TESTING:

Students and parents are notified of testing dates and information each school year. Check with your counselor for more information.

- **AP** (Advanced Placement Examinations) follow a national schedule by exam subject
- **MME** (Michigan Merit Exam) participation required for graduation from the Ann Arbor Public Schools
- **PSAT8/PSAT9/PSAT10** – offered in the spring to 9th and 10th grade students respectively
- **PSAT/NMSQT** (Preliminary Scholastic Assessment Test) simulation tests (for practice only) – offered in the fall to 11th grade students to prepare for the SAT
- **SAT I and II** (Scholastic Assessment Test) – [http://www.collegeboard.com](http://www.collegeboard.com)
- **ACT** - [http://www.actstudent.org](http://www.actstudent.org)

TESTING OUT:

Any high school student may test out of any Michigan Merit Curriculum course offered by his/her high school. Students who test out of a course required for graduation will receive graduation credit.

Testing Out occurs during the summer. Specific instructions will be given to high school buildings prior to the registration period. Registration deadlines are firm, no exceptions. Some courses may require research papers, essays, portfolios, etc., or performance demonstrations, as well as written exams. See your counselor for more information. Listen for building announcements and check the school district’s website at [http://www.aaps.k12.mi.us/aaps/academics/testing_out](http://www.aaps.k12.mi.us/aaps/academics/testing_out).

WORK-BASED LEARNING PROGRAM (WBL):

Students who are junior and seniors have the opportunity to participate in the Work-Based Learning (WBL) program, which is designed to recognize the value of school-supervised work as a learning experience. Students enrolled in the Work-Based Learning program work 10 hours per week under the supervision of the employer and the school coordinator. Students are paid and receive one full unit of credit each term. For more information, contact your Counselor or the coordinator at Huron, Pioneer, or Skyline.
Annual Notice of the Right to Request a Personal Curriculum
Modifying Michigan Merit Curriculum Requirements for Graduation

What is personal curriculum?
The personal curriculum (PC) is a process to modify specific Michigan Merit Curriculum (MMC) high school credit requirements and/or content expectations based on a student’s unique learning needs and post-secondary goals. It is designed to serve students who want to accelerate or go beyond the MMC requirements and students who need to individualize MMC requirements to earn a high school diploma.

Who may request a personal curriculum?
A personal curriculum may be requested by
• the parent or guardian of a student for whom a personal curriculum is sought, or
• the student if the student is of the age of majority,
• an emancipated minor may request a personal curriculum,
• a teacher who is currently teaching the student (who currently teaches in, or whose expertise is in, a subject area proposed to be modified by the PC, or who is determined by the principal to have qualifications otherwise relevant to developing a PC), or
• a school counselor or school employee qualified to act in a counseling role.

If the request for a PC is made by the student’s parent or legal guardian or, if the student is at least 18 years old or is an emancipated minor, the school district shall develop a PC for the student pursuant to the parameters outlined in 380.1278b(5).

When may a personal curriculum be requested?
If the student has an Individualized Education Plan (IEP), the personal curriculum request may be submitted prior to 9th grade.

(Note: Any resulting PC may not be implemented until the student begins/enters 9th grade.) If the student does not have an Individualized Education Plan (IEP), the personal curriculum request may be requested after the student has completed 9th grade.

For more information on the Personal Curriculum (PC), or to make a request for a PC, please contact your student’s principal or counselor or visit the district’s website at http://a2schools.org/Page/11701.
Online courses are offered through the A2 Virtual+ Academy. Students approved for an online course are required to complete an orientation session and have a minimum of two of their tests proctored and District Common Assessment if assigned. AP classes have a weekly proctoring requirement. On the following pages are some of the online offerings. Please check the A2 Virtual+ Academy website at http://www.a2virtual.org for the current course offerings.

Application and registration information can be found at http://www.a2virtual.org.

### CREATIVE WRITING - ONLINE

**School(s):** All High Schools  
**Course #:** 981129  
**Grade(s):** 9, 10, 11, 12  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** English Elective  
**Prerequisite:** English 8 or equivalent  
**NCAA Status:** APPROVED

This course is designed for students who have a strong interest in writing both poetry and prose. Students will explore elements of short fiction and poetry, culminating in a written portfolio that includes one revised short story and three to five polished poems. Students draft, revise, and polish fiction and poetry through writing exercises, developing familiarity with literary terms and familiarity with the writing process as they study elements of creative writing.

### ENGLISH 10 - ONLINE

**School(s):** All High Schools  
**Course #:** 981122, 981123  
**Grade(s):** 10, 11, 12  
**Duration:** 2 Terms  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** English 10  
**Prerequisite:** English 9 or equivalent  
**NCAA Status:** APPROVED

Students read novels, short stories, poetry, literature, and informational texts, write creatively and analytically, communicate individually and in online discussion forums, and through the study of English language arts. Students continue to increase their literary analysis skills by studying a variety of authors and works, including world literature; develop their composition skills by applying the writing process to essays of reflection, argumentation and critical analysis; focus on the history of the English language.

### ENGLISH 9 - ONLINE

**School(s):** All High Schools  
**Course #:** 981120, 981121  
**Grade(s):** 9, 10, 11, 12  
**Duration:** 2 Terms  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** English 9  
**Prerequisite:** English 8 or equivalent  
**NCAA Status:** APPROVED

Students read literature and informational texts, write creatively and analytically, communicate individually and in groups, and through the study of English language arts. Students increase their literary analysis skills by studying a variety of authors and works, focusing on American literature and poetry; develop their composition skills by applying the writing process to literary analysis, character and memory sketches; focus on the social, regional, and functional varieties of American English.

### LITERATURE, AMERICAN - ONLINE

**School(s):** All High Schools  
**Course #:** 981124, 981125  
**Grade(s):** 10, 11, 12  
**Duration:** 2 Terms  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** English Elective  
**Prerequisite:** English 10 or equivalent  
**NCAA Status:** APPROVED

Students become acquainted with some major American novels, historical documents, short stories, drama and poetry. Emphasis is placed on both critical reading and the study of characteristics of various literary types. The course requires outside readings based on themes selected by the teacher and continual writing of formal essays. This course meets the English 11 requirement.

Course is comparable to Literature, American, #105011.
### LITERATURE, BRITISH - ONLINE

**Course #:** 981126, 981127  
**Grade(s):** 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Terms</td>
<td>0.5</td>
<td>English Elective</td>
<td>English 11 or equivalent</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

In this course students read novels, poetry and drama by British writers, ranging from 11th Century to 20th Century. Emphasis is on critical reading as well as the study of various literary types. The course requires outside readings based on themes selected by the teacher and continual writing of formal essays. This course meets the English 12 requirement.

Course is comparable to Literature, British, #105211

### MEDIA LITERACY - ONLINE

**Course #:** 981128  
**Grade(s):** 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td>English Elective</td>
<td>English 8 or equivalent</td>
<td></td>
</tr>
</tbody>
</table>

Introduction to Media Literacy exposes students to techniques of mass media: advertisements, blogs, websites, social media, news media, and wikis. Students will critically analyze mass media, its messages, and its role in society. The students will work with computer media to create presentations that tell a story, provide information in an unbiased manner, or express a viewpoint.

### ALGEBRA I - ONLINE

**Course #:** 983117, 983118  
**Grade(s):** 8, 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Terms</td>
<td>0.5</td>
<td>Algebra I</td>
<td>Math 7 or equivalent</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

This is a comprehensive first-year algebra course that follows the common core state standards, know as CCSS. The course focuses on the real number system, expressions, equations, inequalities, functions, systems of equations and inequalities, linear, exponential, and quadratic relationships, polynomials and descriptive statistics.

### ALGEBRA II - ONLINE

**Course #:** 983317, 983318  
**Grade(s):** 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Terms</td>
<td>0.5</td>
<td>Algebra 2</td>
<td>Geometry</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

This is an advanced algebra course which includes number systems, review of linear sentences, polynomials, rational expressions, systems of equations and inequalities, introduction to functions, coordinate geometry, exponents, logarithms, trigonometry, conic sections, graphing calculator usage, and some theory of equations, sequences, probability, and statistics.

### GEOMETRY - ONLINE

**Course #:** 983217, 983218  
**Grade(s):** 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Terms</td>
<td>0.5</td>
<td>Geometry</td>
<td>Algebra I or equivalent</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

This course integrates the basic concepts of plane and solid geometry, introduces logic, proof, constructions, and trigonometry, and strengthens algebra skills.

Course offerings are subject to sufficient enrollment; course offerings and descriptions are subject to change.

Ann Arbor Public Schools  
2020-2021 High School Course Guide
### MATH, FINANCIAL - ONLINE

**Course #: 983030, 983031**

**Grade(s): 9, 10, 11, 12**

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Terms</td>
<td>0.5</td>
<td>Math Elective</td>
<td>Algebra II</td>
<td></td>
</tr>
</tbody>
</table>

Connecting practical mathematical concepts to personal and business settings, this course offers informative and highly useful lessons that challenge students to gain a deeper understanding of financial math. Relevant, project-based learning activities cover stimulating topics such as personal financial planning, budgeting and wise spending, banking, paying taxes, the importance of insurance, long-term investing, buying a house, consumer loans, economic principles, traveling abroad, starting a business, and analyzing business data. Offered as a two-semester course for high school students, this course encourages mastery of math skill sets, including percentages, proportions, data analysis, linear systems, and exponential functions.

### MATH, MODELING AND APPLICATIONS - ONLINE

**Course #: 983028, 983029**

**Grade(s): 9, 10, 11, 12**

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Terms</td>
<td>0.5</td>
<td>Math Elective</td>
<td>Algebra I</td>
<td></td>
</tr>
</tbody>
</table>

Broadening and extending the mathematical knowledge and skills acquired in Algebra I, the primary purpose of this course is to use mathematics as a tool to model real-world phenomena students may encounter daily, such as finance and exponential models. Engaging lessons cover financial topics, including growth, smart money, saving, and installment loan models. Providing timely and highly useful content, this two-semester course is a must-have for any high school student. Prior mathematical knowledge is expanded and new knowledge and techniques are developed through real-world application of useful mathematical concepts.

### PRECALCULUS - ONLINE

**Course #: 983418, 983419**

**Grade(s): 9, 10, 11, 12**

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Terms</td>
<td>0.5</td>
<td>Math Elective</td>
<td>Algebra II</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

This course is designed for students with above average interest in Mathematics who are preparing for Calculus. Strong algebra skills are a must for taking on complicated operations with polynomial and rational functions. The course includes thorough investigation of intercepts, asymptotes, and transformations, as well as sequences and series, conic sections, matrices, exponential and logarithmic functions, vectors, trigonometric identities, and limits. Polar coordinates and parametric equations are introduced.

### HEALTH & WELLNESS - ONLINE

**Course #: 988511**

**Grade(s): 9, 10, 11, 12**

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td>Health &amp; Wellness</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

This course will provide an overview of current facts and issues in the following areas of health: Health and Wellness; Nutrition; Physical Activity; Alcohol, Tobacco, and Other Drugs; Safety; Social and Emotional Health; HIV Prevention; and Sexuality Education. It also includes a blended online curriculum through the American Red Cross, which covers CPR, AED and First Aid training.

### PERSONAL FITNESS - ONLINE

**Course #: 988112**

**Grade(s): 9, 10, 11, 12**

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td>Personal Fitness</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

As part of this course, students are required to meet with instructor for an orientation and 2 baseline fitness assessments. This course involves instruction and practice in planning, implementing and evaluating an individualized fitness program. Students are required to participate and log weekly flexibility, cardiovascular, muscular strength and endurance activities. The emphasis of the course will be on lifetime health and related fitness.
# A2 VIRTUAL - ONLINE

## BIOLOGY - ONLINE

<table>
<thead>
<tr>
<th>Course #:</th>
<th>984120, 984121</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade(s):</td>
<td>9, 10, 11, 12</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Terms</td>
<td>0.5</td>
<td>Biology</td>
<td>8th Grade Science</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

This compelling two-term course engages students in the study of life and living organisms and examines biology and biochemistry in the real world. This is a year-long course that encompasses traditional concepts in biology and encourages exploration of new discoveries in this field of science. The components include biochemistry, cell biology, cell processes, heredity and reproduction, the evolution of life, taxonomy, human body systems, and ecology.

## CHEMISTRY I - ONLINE

<table>
<thead>
<tr>
<th>Course #:</th>
<th>989406</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade(s):</td>
<td>10, 11, 12</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td>Chemistry</td>
<td>None</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

This rigorous one-term course engages students in the study of the composition, properties, changes, and interactions of matter. The course covers the basic concepts of chemistry and includes virtual laboratory experiments that encourage higher-order thinking applications. The components of this course include chemistry and its methods, the composition and properties of matter, changes and interactions of matter, factors affecting the interactions of matter, mathematical applications, and applications of chemistry in the real world.

## CHEMISTRY, AP - ONLINE

<table>
<thead>
<tr>
<th>Course #:</th>
<th>984025, 984026</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade(s):</td>
<td>11, 12</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Terms</td>
<td>0.5</td>
<td>Chemistry/Physics (does not meet grad requirements for the class of 2021 and beyond)</td>
<td>Chemistry</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

AP Chemistry builds students' understanding of the nature and reactivity of matter. After studying chemical reactions and electrochemistry, students move on to understand how the chemical and physical properties of materials can be explained by the structure and arrangements of the molecules and the forces between those molecules. Students will examine the laws of thermodynamics, molecular collisions, and the reorganization of matter in order to understand how changes in matter take place. Finally, students will explore chemical equilibria, including acid-base equilibria.

The AP Chemistry course provides a learning experience focused on allowing students to develop their critical thinking skills and cognitive strategies. Students perform hands-on labs that give them insight into the nature of science and help them understand chemical concepts, as well as how evidence can be obtained to support those concepts. Students also complete several virtual lab studies in which they form hypotheses; collect, analyze, and manipulate data; and report their findings and conclusions. Robust scaffolding, rigorous instruction, relevant material, and regular active learning opportunities ensure that students can achieve mastery of the skills necessary to excel on the AP exam.

## EARTH: HISTORY, SYSTEMS & SUSTAINABILITY - ONLINE

<table>
<thead>
<tr>
<th>Course #:</th>
<th>984602</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade(s):</td>
<td>10, 11, 12</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td>Earth Science</td>
<td>None</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

Earth Science offers a focused curriculum that explores Earth's composition, structure, processes, and history; its atmosphere, freshwater, and oceans; and its environment in space. Course topics include an exploration of the major cycles that affect every aspect of life, including weather, climate, air movement, tectonics, volcanic eruptions, rocks, minerals, geologic history, Earth's environment, sustainability, and energy resources. Teacher-scored labs encourage students to apply the scientific method.

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Course offerings are subject to sufficient enrollment; course offerings and descriptions are subject to change. 
Ann Arbor Public Schools 
2020-2021 High School Course Guide
**EARTH SCIENCE - ONLINE**

<table>
<thead>
<tr>
<th>Course #:</th>
<th>984600, 984601</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade(s):</td>
<td>10, 11, 12</td>
</tr>
<tr>
<td>Duration:</td>
<td>2 Terms</td>
</tr>
<tr>
<td>Credit/Term:</td>
<td>0.5</td>
</tr>
<tr>
<td>Meets Grad Requirements:</td>
<td>Earth Science</td>
</tr>
<tr>
<td>Prerequisite:</td>
<td>None</td>
</tr>
<tr>
<td>NCAA Status:</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

Earth Science offers a focused curriculum that explores Earth's composition, structure, processes, and history; its atmosphere, freshwater, and oceans; and its environment in space.

Course topics include an exploration of the major cycles that affect every aspect of life, including weather, climate, air movement, tectonics, volcanic eruptions, geologic history, Earth's environment, sustainability, and energy resources. Teacher-scored labs encourage students to apply the scientific method.

**PHYSICS I - ONLINE**

<table>
<thead>
<tr>
<th>Course #:</th>
<th>989407</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade(s):</td>
<td>10, 11, 12</td>
</tr>
<tr>
<td>Duration:</td>
<td>1 Term</td>
</tr>
<tr>
<td>Credit/Term:</td>
<td>0.5</td>
</tr>
<tr>
<td>Meets Grad Requirements:</td>
<td>Physics</td>
</tr>
<tr>
<td>Prerequisite:</td>
<td>None</td>
</tr>
<tr>
<td>NCAA Status:</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

This one-term course acquaints students with topics in classical and modern physics. The first semester offers an introduction to physics and discusses topics in one-dimensional and two-dimensional motion, forces, work and energy, waves, light sound, and magnetism. The course emphasizes conceptual understanding of basic physics principles, with some problem-solving. There are interactive conceptual and problem-solving examples throughout the lessons, as well as interactive lab simulations.

**ECONOMICS - ONLINE**

<table>
<thead>
<tr>
<th>Course #:</th>
<th>982034</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade(s):</td>
<td>9, 10, 11, 12</td>
</tr>
<tr>
<td>Duration:</td>
<td>1 Term</td>
</tr>
<tr>
<td>Credit/Term:</td>
<td>0.5</td>
</tr>
<tr>
<td>Meets Grad Requirements:</td>
<td>Economics</td>
</tr>
<tr>
<td>Prerequisite:</td>
<td>1 credit High School Social Studies</td>
</tr>
<tr>
<td>NCAA Status:</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

This one term course invites students to broaden their understanding of how economic concepts apply to their everyday lives— including microeconomic theory and the characteristics of mixed-market economies, the role of government in a free enterprise system and the global economy, and personal finance strategies. Throughout the course, students apply critical thinking skills while making practical economic choices. Students also master literacy skills through rigorous reading and writing activities. Students analyze data displays and write routinely and responsively in tasks and assignments that are based on scenarios, texts, activities, and examples. In more extensive, process-based writing lessons, students write full-length essays in informative and argumentative formats.

**GOVERNMENT, U.S. - ONLINE**

<table>
<thead>
<tr>
<th>Course #:</th>
<th>982043</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade(s):</td>
<td>9, 10, 11, 12</td>
</tr>
<tr>
<td>Duration:</td>
<td>1 Term</td>
</tr>
<tr>
<td>Credit/Term:</td>
<td>0.5</td>
</tr>
<tr>
<td>Meets Grad Requirements:</td>
<td>US Government</td>
</tr>
<tr>
<td>Prerequisite:</td>
<td>1 credit High School Social Studies</td>
</tr>
<tr>
<td>NCAA Status:</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

Responsible citizenship, including civil and political participation is essential to maintain a representative government that truly represents the people of the United States. In this course, students learn about the structure of government and how it shares power at the local, state and federal levels. This course also explores founding principles that inspired the Constitution and Bill of Rights, reserving the freedom that students experience daily. Students will examine the processes of each branch of government, the election process, and how citizens can impact public policy. The media, interest groups and influential citizens provide examples of how the government can be effected by informed and active participants. Students will examine the U.S. Court system, and become a part of the process by participating in the judicial decision making process. They will also discover ways the United States interacts with countries around the world, through domestic policy, foreign policy and human rights policy. Completion of this course will allow you to act as an informed citizen who is ready to participate in the American democracy.
### GOVERNMENT, U.S. AP - ONLINE

**School(s):** All High Schools  
**Course #:** 982064  
**Grade(s):** 11, 12

<table>
<thead>
<tr>
<th>Duration:</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td>US Government</td>
<td>1 credit High School Social Studies</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

This course studies the operations and structure of the U.S. government and the behavior of the electorate and politicians. Students will gain the analytic perspective necessary to critically evaluate political data, hypotheses, concepts, opinions, and processes. Along the way, they’ll learn how to gather data about political behavior and develop their own theoretical analysis of American politics. They’ll also build the skills they need to examine general propositions about government and politics, and to analyze the specific relationships between political, social, and economic institutions. The equivalent of an introductory college-level course, AP U.S. Government prepares students for the AP exam and for further study in political science, law, education, business, and history.

This course has been authorized by the College Board to use the AP designation. However, students electing the course are not obligated to take the examination. Advanced Placement testing occurs in May.

### HISTORY AND GEOGRAPHY, U.S. - ONLINE

**School(s):** All High Schools  
**Course #:** 982025, 982026  
**Grade(s):** 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration:</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Terms</td>
<td>0.5</td>
<td>US History &amp; Geography</td>
<td>1 credit High School Social Studies</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

The historical development of our nation is studied to help students know how its social, cultural and political institutions developed. Students will, therefore, comprehend the causes of the problems which exist in contemporary society. Attention will be given to an analysis of the effects of the unique multiethnic/multicultural composition of this country’s population on the evolution of its national history. The first term covers a brief review of early American history to reconstruction and focus is on the late 1800’s through the Great Depression. The second term covers the development of modern America through the 20th century to the present.

### HISTORY AND GEOGRAPHY, WORLD - ONLINE

**School(s):** All High Schools  
**Course #:** 982015, 982016  
**Grade(s):** 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration:</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Terms</td>
<td>0.5</td>
<td>World History &amp; Geography</td>
<td>8th grade Social Studies</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

As students study World History, they will learn about the human experience over time and space. They will encounter powerful and sometimes conflicting ideas while learning about people and events in different places and times. They will investigate our diverse and common traditions, and work to understand the complex interactions amongst various environmental, human and social forces that have influenced and continue to influence us. Studying World History connects us to people and events across time and space, illuminating the range and depth of human experience on grand as well as local scales. The curriculum will encourage students to take a global and comparative approach in working across time and space to study, analyze and develop an understanding of the causes, consequences and global patterns of World History. Students will be able to understand, analyze, and interpret historical movements and events to help them better understand and make sense of the world we live in today.

### HISTORY OF THE HOLOCAUST - ONLINE

**School(s):** All High Schools  
**Course #:** 982024  
**Grade(s):** 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration:</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td>General Elective</td>
<td>8th grade History</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

Holocaust education requires a comprehensive study of not only times, dates, and places, but also the motivation and ideology that allowed these events. In this course, students will study the history of anti-Semitism; the rise of the Nazi party; and the Holocaust, from its beginnings through liberation and the aftermath of the tragedy. The study of the Holocaust is a multidisciplinary one, integrating world history, geography, American history, and civics. Through this in-depth, semester-long study of the Holocaust, high school students will gain an understanding of the ramifications of prejudice and indifference, the potential for government-supported terror, and they will get glimpses of kindness and humanity in the worst of times.
### PSYCHOLOGY - ONLINE

**Course #:** 985011, 985012  
**Grade(s):** 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration:</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td>Elective</td>
<td>High school student</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

Psychology is a survey course designed to clarify and build an understanding of ourselves, our peers, and other important relationships in our lives. The emphasis is placed upon learning the skills and approaches necessary to study human behavior and mental processes. This includes: how we learn to be ourselves, how we store memories and experiences, how we think, how our physical being affects our mind, factors motivating our behaviors, and learning basic skills to promote healthy relationships.

### PSYCHOLOGY, AP - ONLINE

**Course #:** 982052  
**Grade(s):** 11, 12

<table>
<thead>
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<th>Duration:</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
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<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td>Elective</td>
<td>1 credit High School Social Studies</td>
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</tbody>
</table>

This course provides an overview of current psychological research methods and theories. Students will explore the therapies used by professional counselors and clinical psychologists and examine the reasons for normal human reactions: how people learn and think, the process of human development and human aggression, altruism, intimacy, and self-reflection.

This course has been authorized by the College Board to use the AP designation. However, students electing the course are not obligated to take the examination. Advanced Placement testing occurs in May.

### SOCIOLOGY - ONLINE

**Course #:** 985013, 985014  
**Grade(s):** 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration:</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
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<tbody>
<tr>
<td>2 Terms</td>
<td>0.5</td>
<td>Elective</td>
<td>High school student</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

This course will allow students to look at the world in a much different way than they usually would. They will be looking at the world through the eyes of someone else. Students will use critical thinking and research methods to understand society through different points of view. Some topics to be discussed include crime, deviance, social control, social inequality, gender, racial and ethnic minorities, human relationships, family, the impact of groups on the individual, and social change. Students will have an opportunity to uncover the role they place in society and the role society has in shaping their identity.
ACADEMIC SUPPORT

Course #: 908018
Grade(s): 9, 10, 11, 12

**School(s): Huron, Pioneer, Skyline, Pathways**

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td>General Elective</td>
<td>Placement</td>
<td></td>
</tr>
</tbody>
</table>

Academic Support is a one-term course. Each term of the school year a varied and differentiated curriculum is offered, so students can take the course all year if appropriate without repeating content.

The objectives of the Academic Support class are designed to develop the skills for independence, which include:

1. Study skills necessary for academic success,
2. Self-advocacy skills, and
3. Employability skills.

An option to retake the class as an independent study is possible.

PASS (Personalized Academic Support for Students)

Course #: 902010
Grade(s): 9, 10, 11, 12

**School(s): Huron, Pathways, Pioneer, *Skyline**

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Terms</td>
<td>0.5</td>
<td>General Elective</td>
<td>Placement/Counselor Referral</td>
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</tr>
<tr>
<td>*1 Term-Skyline</td>
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</tr>
</tbody>
</table>

Huron
The purpose of this class is to provide academic support to general education students that are academically unsuccessful. The class will focus on strengthening organizational/study skills, help students with the completion of assignments, prepare for tests and quizzes and improve motivation and academic achievement through the use of strategies associated with Dr. Carol Dweck's growth mindset philosophy.

Pioneer, Pathways**, and Skyline***
There are three main goals for this class: (1) teaching and aiding in developing soft skills habits; (2) developing a culture and habit of mind that stresses success through positive habits and a growth mindset; and (3) facilitating professional interactions between students, their peers, and instructors that will eventually be utilized in advanced courses, college courses, and in the workplace. Students will get some assistance with completion of assignments and preparation for quizzes and tests.

**At Pathways, this course is offered in 11th grade.
***At Skyline, this course may be repeated for credit.

PEER CONNECTIONS

Course #: 908040
Grade(s): *9, *10, 11, 12

**School(s): Huron, *Pioneer, **Skyline**

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td>General Elective</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

In this course, students learn about students with disabilities and become peer mentors to a student with a disability in the school. Through the curriculum of the course, students will gain knowledge of the various disabilities and support systems available at school for students with disabilities, learn how to use different communication styles to assist in problem-solving, and develop critical thinking, writing, and collaborative problem-solving skills. Additionally, students will act as peer advocates and mentors as they work collaboratively with students with disabilities, under the supervision of Skyline Support Staff members and general education personnel.

All students can benefit from this course, especially those interested in pursuing careers in the Human Services Field (counseling, social work, teaching, psychology).

*Pioneer: Offered in grades 9-12.
**Skyline: An option to retake the class as an independent study is possible.
Career & Technical Education State-Approved Programs

- Courses must be taken for at least 2 semesters or 2 trimesters
- Courses may substitute for:
  - 1 credit of Science
  - 1 credit of World Language (through 2024)

ACCOUNTING
AUTO SERVICE TECHNOLOGY
BUSINESS MANAGEMENT
COSMETOLOGY
CULINARY ARTS & HOSPITALITY*
CYBERSECURITY (Huron only)

ENGINEERING (Skyline only)
HEALTH SCIENCE TECHNOLOGY
HOMEBUILDING
MARKETING EDUCATION
WEB PAGE DESIGN*

These courses meet graduation requirements for high school graduation as approved by Ann Arbor Public Schools. In a course that is approved for more than one type of credit, credit may be granted for both if proficiencies are demonstrated.

Additionally, there are options through Career and Technical Education (CTE) that allow students to substitute or elect CTE courses to meet graduation credit. See notes under course descriptions.

Students who elect to substitute classes acknowledge that they will still be assessed on the full spectrum of state standards on state testing during the 11th grade year.

*Culinary Arts & Hospitality and Web Page Design are State-Approved at Huron and Pioneer ONLY.

Programs that are not listed above are not endorsed as State-Approved CTE programs and cannot be substituted for graduation credits.

Not all CTE courses listed are available at all high schools

Post-secondary plans and college athletics (NCAA) should be considered when electing to use a CTE course to meet graduation requirements, as some colleges and universities have requirements.
# Business Administration & Management and Career & Technical Education

Business and Career & Technical Education by Career Clusters  
*(course offerings may vary by school)*

<table>
<thead>
<tr>
<th>BUSINESS</th>
<th>AUTOMOTIVE SERVICES</th>
<th>HEALTH</th>
<th>COSMETOLOGY</th>
<th>ENGINEERING</th>
<th>HUMAN SERVICES</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Accounting I &amp; II</td>
<td>• Auto Service Technology I &amp; II</td>
<td>• Health Sciences Technology</td>
<td>• Cosmetology</td>
<td>• Engineering Design</td>
<td>• Nutrition and Foods</td>
</tr>
<tr>
<td>• Business Fundamentals</td>
<td>• Advanced Auto Service Technology</td>
<td>• Health Sciences Clinical</td>
<td></td>
<td>• Principles of Engineering</td>
<td>• Multicultural Foods</td>
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<tr>
<td>• Business &amp; Management IB</td>
<td>• Engine Repair</td>
<td></td>
<td></td>
<td>• Engineering Design &amp; Development</td>
<td>• Baking &amp; Pastry Arts</td>
</tr>
<tr>
<td>• Business Principles &amp; Management</td>
<td>• Know Your Auto</td>
<td></td>
<td></td>
<td>• 4th year depends on High School</td>
<td>• Culinary Arts &amp; Hospitality</td>
</tr>
<tr>
<td>• Business Technology</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• Interior Design</td>
</tr>
<tr>
<td>• Computer Applications I &amp; II</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• Parenting – Child Development</td>
</tr>
<tr>
<td>• Cybersecurity I &amp; II</td>
<td></td>
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<td></td>
<td></td>
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<tr>
<td>• Entrepreneurship</td>
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<tr>
<td>• Marketing Education</td>
<td>• Marketing School Store Operations</td>
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<td>• Engineering Design</td>
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<tr>
<td></td>
<td>• Sports Entertainment Marketing I &amp; II</td>
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<td></td>
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<tr>
<td></td>
<td>• Advanced Marketing</td>
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<tr>
<td></td>
<td>• Personal Finance I &amp; II</td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td></td>
<td>• Notetaking &amp; Study Skills</td>
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<tr>
<td></td>
<td>• Visual Basic Programming</td>
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</tr>
<tr>
<td></td>
<td>• Web Page Design I &amp; II</td>
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</table>

Course offerings are subject to sufficient enrollment; course offerings and descriptions are subject to change.

Ann Arbor Public Schools

2020-2021 High School Course Guide
## CTE Courses that Meet AAPS Graduation Requirements

<table>
<thead>
<tr>
<th></th>
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<tr>
<td>Accounting 1 &amp; 2</td>
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<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
<td>Huron &amp; Pioneer (Both classes must be taken for WL &amp; Sci Elective)</td>
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<tr>
<td>Auto Service Technology</td>
<td></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<td>Huron &amp; Pioneer (Must be taken for a year for WL &amp; Sci Elective)</td>
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<td>Huron (Must be taken for a year for WL &amp; Sci Elective)</td>
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<td>X</td>
<td></td>
<td>Skyline (Must be taken for a year for WL &amp; Sci Elective)</td>
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<tr>
<td>Business Mgmt (students take Bus Prin &amp; Entrepreneur)</td>
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<td></td>
<td></td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
<td>Pioneer (Both classes must be taken for WL &amp; Sci Elective)</td>
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<tr>
<td>Cosmetology</td>
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<td>X</td>
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<td>Culinary Arts &amp; Hospitality</td>
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<td>Huron &amp; Pioneer (Must be taken for a year for WL &amp; Sci Elective)</td>
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<tr>
<td>Cybersecurity I &amp; II</td>
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<td></td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
<td>Huron Only (Both classes must be taken for WL &amp; Sci Elective)</td>
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<tr>
<td>Health Science Technology</td>
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<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
<td>Huron &amp; Pioneer (Must be taken for a year for WL &amp; Sci Elective)</td>
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<tr>
<td>Homebuilding</td>
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<td>X</td>
<td>X</td>
<td></td>
<td>All (Must be taken for a year for WL &amp; Sci Elective)</td>
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<td>Interior Design</td>
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<td>Huron (Must be taken for a year for WL &amp; Sci Elective)</td>
</tr>
<tr>
<td>Marketing Education (Must be taken for a full year for ELA or Econ credit)</td>
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<td>X</td>
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<td>Huron, Pioneer, Skyline &amp; Pathways (Must be taken for a year for WL &amp; Sci Elective and Econ &amp; ELA credit)</td>
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<td>All (Must be taken for a year for WL &amp; Sci Elective)</td>
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<td>Personal Finance 2</td>
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<tr>
<td>PLTW-Engineering Design</td>
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<td></td>
<td></td>
<td>All (Must be taken for a year)</td>
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<tr>
<td>PLTW-Principles of Engineer</td>
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<tr>
<td>PLTW-Engineer Design &amp; Dev</td>
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<td>X</td>
<td>X</td>
<td></td>
<td></td>
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<td>Skyline Only (Must be taken for a year for WL &amp; Sci Elective)</td>
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<tr>
<td>Web Page Design 1 &amp; 2</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<td></td>
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<td>Huron &amp; Pioneer (Both classes must be taken for WL &amp; Sci Elective)</td>
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### ACCOUNTING I

<table>
<thead>
<tr>
<th>Course #</th>
<th>Grade(s)</th>
<th>School(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>612021</td>
<td>9, 10, 11, 12</td>
<td>Huron, Pioneer, Skyline</td>
</tr>
</tbody>
</table>

- **Duration:** 1 Term
- **Credit/Term:** 0.5
- **Meets Grad Requirements:** Math Elective (.5)
- **Prerequisite:** None
- **NCAA Status:**

We live in a world of numbers! Whether you are planning on starting your own business, pursuing a business degree or just living in this world; accounting matters! It is the “language of business”. Develop critical-thinking skills as you learn basic accounting concepts. Prepare the financial records that will be used to make managerial decisions. Accounting practices are demonstrated through the use of real world business simulations using Accounting software. This class is a must if you are considering any business career. Get a leg up in your college business classes; enroll in this course!

Software used: Accounting software and Microsoft Excel

An integral part of the program is an opportunity for participating in a student professional organization (DECA/BPA). Students completing the program may receive credits towards the prestigious High School MBA Award at Pioneer.

This is a State-Approved CTE course. Students are eligible, upon successful completion of this program (2 semesters or at least 2 trimesters), to substitute this course for the following graduation credits:
- 1 credit of World Language
- 1 credit of Science

Through a personal curriculum a State-Approved CTE course may substitute for a VPAA credit.

Students may be eligible to receive college credit for successful completion of this course at Washtenaw Community College through the Articulation program. Students should contact their teacher for more information.

### ACCOUNTING II

<table>
<thead>
<tr>
<th>Course #</th>
<th>Grade(s)</th>
<th>School(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>612022</td>
<td>10, 11, 12</td>
<td>Huron, Pioneer, Skyline</td>
</tr>
</tbody>
</table>

- **Duration:** 1 Term
- **Credit/Term:** 0.5
- **Meets Grad Requirements:** Math Elective (.5)
- **Prerequisite:** Accounting I
- **NCAA Status:**

Are you ready to take the next step to financial success? This course will continue to expand on the concepts learned in Accounting I, applying those concepts to partnerships and corporations. Students will learn the “language of business”; mastering topics like accounts payables and receivables, payroll accounting, inventory management and depreciation. Real world business simulations will take students into in-depth problem solving and critical thinking exercises using Accounting software. This class provides a solid foundation for anybody interested in pursuing a business degree or for those interested in starting their own business someday. Get prepared -- take this course.

Software Used: Accounting Software and Microsoft Excel

An integral part of the program is an opportunity for participating in a student professional organization (DECA/BPA). Students completing the program may receive credits towards the prestigious High School MBA Award at Pioneer.

This is a State-Approved CTE course. Students are eligible, upon successful completion of this program (2 semesters or at least 2 trimesters), to substitute this course for the following graduation credits:
- 1 credit of World Language
- 1 credit of Science

Through a personal curriculum a State-Approved CTE course may substitute for a VPAA credit.

Students may be eligible to receive college credit for successful completion of this course at Washtenaw Community College through the Articulation program. Students should contact their teacher for more information.
BUSINESS AND MANAGEMENT SL IB
Course #: IB619100
Grade(s): 11, 12

**Duration:** 1 Year  
**Credit/Term:** 0.5  
**Meets Grad Requirements:**  
**Prerequisite:** None  
**NCAA Status:**  

Business and Management SL (IB) is intended to help students develop their understanding of the fundamental concepts of Business and management. The course will cover all of the business and management related standards adopted by the State of Michigan. This course is intended for 11th and 12th grade students. The performance expectations of the course will focus on business and management practices such as; employing information management techniques and strategies to assist in decision-making, planning and time management, managing customer relationships, understanding day-to-day business activities, risk management strategies, human resources, and operational and functional aspects of management. This course satisfies the Individuals and Societies requirement for Full IB Diploma students.

An integral part of the program is an opportunity for participating in a student professional organization (DECA/BPA).

This is a State-Approved CTE course. Students are eligible, upon successful completion of this program (2 semesters or at least 2 trimesters), to substitute this course for the following graduation credits:
1 credit of World Language  
1 credit of Science  
Through a personal curriculum a State-Approved CTE course may substitute for a VPAA credit.

Students may be eligible to receive college credit for successful completion of this course at Washtenaw Community College through the Articulation program. Students should contact their teacher for more information.

BUSINESS FUNDAMENTALS
Course #: 614042
Grade(s): 9, 10, 11, 12

**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:**  
**Prerequisite:** None  
**NCAA Status:**  

This course builds survival skills. All business decisions are made from the records we work with and everyone needs the skills we build: business ethics, time management, setting priorities, accuracy, following directions, making informed decisions and learning to manipulate personal computer to create all types of different business correspondence and reports. Explore business careers and your personal interests. Develop employability skills such as building a resume and the art of interviewing will give you a jump on your competition in the work force!

BUSINESS PRINCIPLES AND MANAGEMENT
Course #: 613021
Grade(s): 10, 11, 12

**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:**  
**Prerequisite:** None  
**NCAA Status:**  

This course gives you a solid foundation about what business is, and how it is managed. A variety of areas are covered including leadership and learning what it takes to be a successful manager or business owner. Students complete case studies that involve operation your own business and performing the activities necessary to make it successful. Students also use a business management simulation to develop their skills.

An integral part of the program is an opportunity for participating in a student professional organization (DECA/BPA).

This is a State-Approved CTE course. Students are eligible, upon successful completion of this program (2 semesters or at least 2 trimesters), to substitute this course for the following graduation credits:
1 credit of World Language  
1 credit of Science  
Through a personal curriculum a State-Approved CTE course may substitute for a VPAA credit.

Students may be eligible to receive college credit for successful completion of this course at Washtenaw Community College through the Articulation program. Students should contact their teacher for more information.
BUSINESS TECHNOLOGY

School(s): Skyline

Course #: 614031

Grade(s): 9, 10, 11, 12

Duration: 1 Term
Credit/Term: 0.5
Meets Grad Requirements: None
Prerequisite: None
NCAA Status: None

Business Technology offers you the opportunity to develop employability skills for the future. Students learn Microsoft Office applications software including Word, Excel, Access and PowerPoint, communication skills, resume building, interviewing, interpersonal relations, organization and time management. The program is centered around the strengths and needs of the students and the community.

Students may be eligible to receive college credit at Washtenaw Community College through the Articulation program. Students should contact their teacher for more information.

BUSINESS/OFFICE WORK-BASED LEARNING

School(s): Huron, Pioneer

Course #: 614091

Grade(s): 11, 12

Duration: Year
(2 periods per term)
Credit/Term: 1.0
Meets Grad Requirements: None
Prerequisite: 16 years old and concurrent enrollment in, or completion of, Business Software Applications or Business Technology
NCAA Status: None

Earn credit and get paid. Work-Based Learning (WBL) extends student-learning opportunities beyond the school building into the workplace through supervised, part-time employment. This course serves as a laboratory experience for students enrolled in the business classes, and provides an actual paid part-time job closely supervised by the school. Students will be able to practice or observe skills learned in their class under the direct supervision of an employer.

Students may enroll in one or more semesters. Students must work a minimum of 10 hours per week. Hours of work will be after school, but students may shorten their school schedule to accommodate their job.

An integral part of the program is an opportunity for participating in a student professional organization (DECA/BPA). Students completing the program may receive credits towards the prestigious High School MBA Award at Pioneer.

COMPUTER APPLICATIONS I

School(s): Pioneer

Course #: 614021

Grade(s): 9, 10, 11, 12

Duration: 1 Term
Credit/Term: 0.5
Meets Grad Requirements: None
Prerequisite: None
NCAA Status: None

Computer Applications I is a curriculum designed to enhance your keyboarding speed and computer skills in a variety of applications. Learn how powerful your word processing program really is. Explore how to use your spreadsheet program to calculate functions and graph your results. Develop dynamic multimedia slideshows utilizing Microsoft PowerPoint. Students will also develop time management and organizational skills. Today's jobs and all college curriculums demand computer software skills. Enroll Now!

An integral part of the program is an opportunity for participating in a student professional organization (DECA/BPA). Students completing the program may receive credits towards the prestigious High School MBA Award at Pioneer.

Students may be eligible to receive college credit at Washtenaw Community College through the Articulation program. Students should contact their teacher for more information.
COMPUTER APPLICATIONS I IB
School(s): Huron
Course #: IB614021
Grade(s): 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td></td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

Computer Applications I (IB) is offered to grades 9-12. It is recommended that all students include Business in their academic course choices to better prepare them for attending college and giving you an advantage in your other high school classes. Students enrolled in Computer Technology 1 will be introduced to Adobe Photoshop, video editing, web design, and graphic design. Students will learn some of the advanced features in Microsoft Word and PowerPoint that most don’t even know exist as well as be introduced to Microsoft Excel. At the end of the semester students can enroll in the Microsoft Imagine Academy to receive their MOS Certification in Microsoft Word.

Students who plan to participate in Business Professionals of America (BPA) or DECA are highly encouraged to take Computer Applications I.

Students may be eligible to receive college credit at Washtenaw Community College through the Articulation Program. Students should contact the teacher for more information.

COMPUTER APPLICATIONS II
School(s): Pioneer
Course #: 614022
Grade(s): 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td></td>
<td>Computer Applications I (preferred)</td>
<td></td>
</tr>
</tbody>
</table>

We all know how important computer skills are today. Computer Applications I got you started down the right path, now it is time to continue expanding your computer expertise! Computer Applications II is a self-paced curriculum designed to enhance your readiness for college and the work force. You will focus on mastering spreadsheets, databases and desktop publishing. You will also gain experience utilizing multimedia technology. If you want to impress all of your teachers, family, friends and future college professors and employers - become tech savvy and take Computer Applications II.

An integral part of the program is an opportunity for participating in a student professional organization (DECA/BPA). Students completing the program may receive credits towards the prestigious High School MBA Award at Pioneer.

Students may be eligible to receive college credit at Washtenaw Community College through the Articulation program. Students should contact their teacher for more information.

COMPUTER APPLICATIONS II IB
School(s): Huron
Course #: IB614022
Grade(s): 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td></td>
<td>Computer Applications I (preferred)</td>
<td></td>
</tr>
</tbody>
</table>

Computer Applications II (IB) is offered to grades 9-12. It is recommended that all students include Business in their academic course choices to better prepare them for attending college and giving you an advantage in other high school classes. Students enrolled in Computer Applications II will learn advanced features in Adobe Photoshop, graphic design, and video editing. Students will learn advanced features in Microsoft Excel and Access. Students can enroll in the Microsoft Imagine Academy to receive their MOS Certification in Microsoft Excel.

Students who plan to participate in Business Professionals of America (BPA) or DECA are highly encouraged to take Computer Technology II.

Students may be eligible to receive college credit at Washtenaw Community College through the Articulation Program. Students should contact the teacher for more information.
### CYBERSECURITY I

**School(s):** Huron, Pioneer, Skyline  
**Course #:** 614055  
**Grade(s):** 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td></td>
<td>none</td>
<td></td>
</tr>
</tbody>
</table>

Students will develop skills for entry-level networking and cybersecurity positions. They will learn and become proficient in skills related to information and systems security, network security, ethics and laws, and defense/mitigation techniques used in protecting individuals and businesses from cyber threats. Certifications will be offered in Microsoft Windows Operating System Fundamentals, and Microsoft Networking Fundamentals.

An integral part of the program is an opportunity for participating in a student professional organization (DECA/BPA).

This is a State-Approved CTE course. Students are eligible, upon successful completion of this program (2 semesters or at least 2 trimesters), to substitute this course for the following graduation credits:
- 1 credit of World Language
- 1 credit of Science

Through a personal curriculum a State-Approved CTE course may substitute for a VPAA credit.

Students may be eligible to receive college credit for successful completion of this course at Washtenaw Community College through the Articulation program. Students should contact their teacher for more information.

### CYBERSECURITY II

**School(s):** Huron, Pioneer, Skyline  
**Course #:** 614056  
**Grade(s):** 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td></td>
<td>Cybersecurity I</td>
<td></td>
</tr>
</tbody>
</table>

Students will master skills for entry-level networking and cybersecurity positions. Focus in this course will be placed on network security, computer and networking hardware deployment, and applying multiple layers of security to a network. Certifications will be offered in Microsoft Security Fundamentals, and PC and Security Pro Certification.

An integral part of the program is an opportunity for participating in a student professional organization (DECA/BPA).

This is a State-Approved CTE course. Students are eligible, upon successful completion of this program (2 semesters or at least 2 trimesters), to substitute this course for the following graduation credits:
- 1 credit of World Language
- 1 credit of Science

Through a personal curriculum a State-Approved CTE course may substitute for a VPAA credit.

Students may be eligible to receive college credit for successful completion of this course at Washtenaw Community College through the Articulation program. Students should contact their teacher for more information.
**ENTREPRENEURSHIP**

Course #: **613011**

Duration: 1 Term  
Credit/Term: 0.5  
Meets Grad Requirements:  
Prerequisite: None  
NCAA Status:  

School(s): Huron, Pioneer, *Skyline  
Grade(s): 11, 12  
*9, 10, 11, 12 (Skyline)

Do you have what it takes to be your own boss? This class will teach you what you need to consider and the steps necessary to start your own business and become a successful entrepreneur. You will be responsible for completing a term-long project that involves starting your own business and performing the activities necessary to make it successful. Many virtual business simulations are available. Are you considering attending a College of Business when you graduate? This course will give you an introduction to all aspects of the business world. By the end of the term, you will have a good idea of whether or not a career in business is the right choice for you. Areas covered include developing a detailed business plan, locating the finances necessary to start the business, marketing your product or service and eliminating the legal red tape.

An integral part of the program is an opportunity for participating in a student professional organization (DECA/BPA).

This is a State-Approved CTE course. Students are eligible, upon successful completion of this program (2 semesters or at least 2 trimesters), to substitute this course for the following graduation credits:
1 credit of World Language  
1 credit of Science  

Through a personal curriculum a State-Approved CTE course may substitute for a VPAA credit.

Students may be eligible to receive college credit for successful completion of this course at Washtenaw Community College through the Articulation program. Students should contact their teacher for more information.

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**MARKETING I**

Course #: **613025**

Duration: 1 Term  
Credit/Term: 0.5  
Meets Grad Requirements:  
Prerequisite: None  
NCAA Status:  

School(s): Skyline  
Grade(s): 10, 11, 12

This course is a study of how a product or service is conceived to the point it is purchased by the user. Students will be exposed to the fundamentals of: marketing, management, entrepreneurship, communications, economics, market segmentation, product decisions from innovation to production and packaging, pricing strategies, promotion decisions from advertising to personal selling, and placement decisions from channel of distribution to displaying, salesmanship and technology. In this class students will learn vital skills necessary to be successful in any career they choose as well as working in the school store, 'The Sky Store' to put the skills learned to use.

Students should enroll in two trimesters.

An integral part of the program is an opportunity for participating in a student professional organization (DECA/BPA).
This year-long business administration course is designed to prepare students for entry-level occupations in marketing, management, and entrepreneurial ventures. The class also prepares students wishing to major in business administration in college. Students who enjoy learning by doing will have fun with the numerous skits and role-plays used to teach marketing skills and concepts. This course addresses the following seven career pathways: Management & Entrepreneurship, Professional Sales & Marketing, Buying & Merchandising, Advertising & Promotion, Marketing Information Management & Research, Distribution & Logistics, and E-Marketing. The marketing curriculum incorporates multimedia lessons, class sales and promotion projects, and a hands on virtual business retailing simulation that teaches the importance of pricing, advertising, purchasing, merchandising, and market research. Students will have the opportunity to apply their skills by working in the student operated store at Huron (The Green House) or Skyline (Sky Store).

An integral part of the program is an opportunity for participating in a student professional organization (DECA/BPA). Students completing the program may receive credits towards the prestigious High School MBA Award at Pioneer.

This is a State-Approved CTE course. Students are eligible, upon successful completion of this program (2 semesters or at least 2 trimesters), to substitute this course for the following graduation credits:
- 1 credit of World Language
- 1 credit of Science
Through a personal curriculum a State-Approved CTE course may substitute for a VPAA credit.

Students may be eligible to receive college credit for successful completion of this course at Washtenaw Community College through the Articulation program. Students should contact their teacher for more information.

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This year-long business administration course is designed to prepare students for entry-level occupations in marketing, management, and entrepreneurial ventures. The class also prepares students wishing to major in business administration in college. Students who enjoy learning by doing will have fun with the numerous skits and role-plays used to teach marketing skills and concepts. This course addresses the following seven career pathways: Management & Entrepreneurship, Professional Sales & Marketing, Buying & Merchandising, Advertising & Promotion, Marketing Information Management & Research, Distribution & Logistics, and E-Marketing. The marketing curriculum incorporates multimedia lessons, class sales and promotion projects, and a hands on virtual business retailing simulation that teaches the importance of pricing, advertising, purchasing, merchandising, and market research. Students will have the opportunity to apply their skills by working in the student operated store at Huron (The Green House).

An integral part of the program is an opportunity for participating in a student professional organization (DECA/BPA). Students completing the program may receive credits towards the prestigious High School MBA Award at Pioneer.

This is a State-Approved CTE course. Students are eligible, upon successful completion of this program (2 semesters or at least 2 trimesters), to substitute this course for the following graduation credits:
- 1 credit of World Language
- 1 credit of Science
Through a personal curriculum a State-Approved CTE course may substitute for a VPAA credit.

Students may be eligible to receive college credit for successful completion of this course at Washtenaw Community College through the Articulation program. Students should contact their teacher for more information.
### MARKETING SCHOOL STORE OPERATIONS

**Course #: 613032**  
**Grade(s): 11, 12**  
**School(s): Huron, Pioneer, Skyline**

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td></td>
<td>Marketing or teacher approval</td>
<td></td>
</tr>
</tbody>
</table>

This course focuses on the skills learned in Marketing. Students will gain hands-on experience in selling, promoting, advertising, servicing, merchandising and displaying by completely running and managing the school store. Each student will be given the opportunity to manage the store as a cashier or salesperson.

This course may be repeated for credit.

An integral part of the program is an opportunity for participating in a student professional organization (DECA/BPA).

### MARKETING WORK-BASED LEARNING

**Course #: 613091**  
**Grade(s): 11, 12**  
**School(s): Huron, Pathways Pioneer**

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year (2 periods per term)</td>
<td>1.0</td>
<td></td>
<td>16 years old and concurrent enrollment in, or completion of, Marketing Education or Marketing &amp; Store Operations</td>
<td></td>
</tr>
</tbody>
</table>

Earn credit and get paid. Work-Based Learning (WBL) extends student-learning opportunities beyond the school building into the workplace through supervised, part-time employment. This course serves as a laboratory experience for students enrolled in the Marketing Education class, and provides an actual paid part-time job closely supervised by the school. Students will be able to practice or observe skills learned in their Marketing Education class under the direct supervision of an employer.

Students may enroll in one or more semesters. Students must work a minimum of 10 hours per week. Hours of work will be after school, but students may shorten their school schedule to accommodate their job.

An integral part of the program is an opportunity for participating in a student professional organization (DECA/BPA). Students completing the program will receive credits towards the prestigious High School MBA Award at Pioneer.

### MARKETING, ADVANCED

**Course #: 613028**  
**Grade(s): 11, 12**  
**School(s): Huron, Pioneer, Skyline**

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>.5</td>
<td></td>
<td>Marketing Education</td>
<td></td>
</tr>
</tbody>
</table>

This semester class is a continuation of the Marketing Education class with an emphasis on in-depth analysis of the four main components of Marketing: Product, Price, Place, and Promotion. Upon completion of this course, students will be prepared to focus on a business administration major in college. Additional, students will become informed consumers who are able to navigate the world of business. Students will learn basic principles that lead to careers in marketing, finance, hospitality, and management. Students will be introduced to the world of marketing, including the free enterprise system. The seven core functions of marketing will be examined: Marketing Planning, Marketing - Information Management, Pricing, Product/Service Management, Promotion, Channel Management, and Selling. An additional focus throughout the course will be the development of soft skills including teamwork, oral communication, written communication, decision-making, and leadership. Students will have the opportunity to participate in DECA, a student organization that prepares emerging leaders and entrepreneurs. DECA related activities and curriculum will be used throughout the course.

This project-based course allows students to develop and demonstrate management-level marketing skills. Students will learn advanced marketing principles and will demonstrate proficiency by completing several projects throughout the year. Examples of projects include: developing employment letters, creating an advertising or public relations campaign, developing a business plan, conducting market research for a business and making suggestions for improvement and a financial analysis of an existing business.

An integral part of the program is an opportunity for participating in a student professional organization (DECA/BPA). Students completing the program may receive credits towards the prestigious High School MBA Award at Pioneer.
### NOTETAKING AND STUDY SKILLS

**Course #:** 614011  
**School(s):** Huron  
**Grade(s):** 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
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<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td></td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

Want tools and strategies to help prepare yourself for college or high school? Then the note taking/study skills course is a must for you. The course emphasizes good notetaking and organizational skills, listening, memorization, time management, and good test taking skills. Students strengthen their presentation skills for speech and multimedia projects. Learn keyboarding skills and increase typing speed. Students learn how to find information for research papers on the Internet by using the browser tools and learn Internet concepts and techniques through practical applications. Students also prepare for the ACT, SAT and MEAP tests.

An integral part of the program is an opportunity for participating in a student professional organization (DECA/BPA).

### PERSONAL FINANCE I

**Course #:** 612012  
**School(s):** Huron, Pathways, Pioneer, Skyline  
**Grade(s):** 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
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<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td>Math Elective (.5)</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

We all would like to have more money. A secret to 'more' is learning to budget and save what we have so that it goes farther. This course offers students the opportunity to practice money management and investment strategies where mistakes will not cost them real dollars. Students will learn a variety of strategies: how to prepare a budget; prepare income tax returns; play the stock market; evaluate investment options; personal banking and employee pay and benefits. This class has the power to change the financial course of a student’s life. Computer skills are also stressed. Take Money Management and learn valuable lessons that will last a lifetime.

An integral part of the program is an opportunity for participating in a student professional organization (DECA/BPA). Students completing the program may receive credit towards the prestigious High School MBA Award at Pioneer.

### PERSONAL FINANCE II

**Course #:** 612013  
**School(s):** Huron, Pathways, Pioneer, Skyline  
**Grade(s):** 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td>Math Elective (.5)</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

Money will not buy happiness, but it sure doesn’t hurt. This class will help you avoid the financial stress that plagues many adults. Topics covered include: how to effectively use credit cards; understanding your credit score; and the importance and benefits of insurance. Students will learn personal decision making skills such as purchasing a car, renting an apartment, obtaining a mortgage for a home, paying for college and budgeting for major life events. They will be able to put their financial skills to use through online simulations and projects. This is a hands-on course that will give students important skills that will last a lifetime.

This course can be taken WITHOUT having taken Personal Finance II.

An integral part of the program is an opportunity for participating in a student professional organization (DECA/BPA). Students completing the program may receive credits towards the prestigious High School MBA Award at Pioneer.
**PROGRAMMING, VISUAL BASIC IB**  
**School(s):** Huron  
**Course #:** IB611011  
**Grade(s):** 9, 10, 11, 12  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:**  
**Prerequisite:** None  
**NCAA Status:**  

This course is an introduction to programming in the Visual Basic language. You will learn how to write your own programs, instead of just running a program that somebody else wrote for you! Topics covered include basic programming concepts, as well as features such as setting the development environment, working with intrinsic and Active X controls, making executable files, using ‘if’ statements, string functions, image controls, message boxes, and using the VB debugging features. Students will also have the opportunity to program games like Hangman, Tic-Tac-Toe and Minesweeper. This is a great course for people new to programming. It is also an excellent opportunity for more experienced programmers who have not yet been exposed to Visual Basic.

An integral part of the program is an opportunity for participating in a student professional organization (DECA/BPA).

**SPORTS AND ENTERTAINMENT MARKETING I**  
**School(s):** Huron, Pioneer, Skyline  
**Course #:** 613041  
**Grade(s):** 10, 11, 12  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:**  
**Prerequisite:** Marketing Education  
**NCAA Status:**  

Are you ready to join the exciting career field of Sports and Entertainment Marketing? Would you like to take your Marketing Education experience to the next level? This is an advanced marketing course, providing students with the opportunity to apply marketing principles in the fields of Sports and Entertainment. This course is designed for students who are interested in business and marketing and want to learn the “behind the scenes” business of promoting sports, music and television. Topic areas covered in this course include a review of the basic marketing functions, target marketing and segmentation, sponsorship and endorsements, licensing, event marketing, promotions and publicity and sports marketing plans. Instructional strategies include computer/technology applications, current event research, event planning, real and/or simulated occupational experiences and projects performed using the marketing functions. Software programs include Virtual Business Sports Simulation, Concert Tour Entrepreneur, Fantasy sports Simulation - Football, Hockey, Basketball, Baseball. Explore the intriguing world of sports and entertainment from the perspective of marketing. The class gives students the necessary skills to succeed in their careers, as well as learn solid academic skills such as math, reading, and language arts.

An integral part of the program is an opportunity for participating in a student professional organization (DECA/BPA). Students completing the program may receive credits towards the prestigious High School MBA Award at Pioneer.

**SPORTS AND ENTERTAINMENT MARKETING II**  
**School(s):** Pioneer  
**Course #:** 613042  
**Grade(s):** 11, 12  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:**  
**Prerequisite:** Marketing Education, Sports & Entertainment Marketing I  
**NCAA Status:**  

This is an advanced course that will help students develop a thorough understanding of the marketing concepts and theories that apply to sports and sporting and/or entertainment events. The areas this course will cover include a review of basic marketing, target marketing and segmentation, sponsorship, event marketing, promotions, sponsorship proposals, and sports marketing plans. This course will also delve into the components of promotion plans, sponsorship proposals and the key elements needed in sports marketing plans. Computer simulations are used to apply and practice Sports and Entertainment Marketing strategies. Students taking sports marketing will have the opportunity to participate in DECA (student marketing leadership organization). DECA related activities and curriculum may be used as an approved part of all marketing classes.

An integral part of the program is an opportunity for participating in a student professional organization (DECA/BPA). Students completing the program may receive credits towards the prestigious High School MBA Award at Pioneer.
WEB PAGE DESIGN I
Course #: 611021
Grade(s): 9, 10, 11, 12

**Prerequisite:** None

**School(s):** Pathways, *Pioneer, Skyline

**Duration:** 1 Term

**Credit/Term**
0.5

**Meets Grad Requirements**
VPAA: Art (.5)

**NCAA Status**

Web pages have become important to our daily lives! Learn how to create these pages which may include the following software packages: Adobe Dreamweaver suite and Notepad. Discover the mysterious HTML tags, content development and multimedia elements, the adding of dynamic effects such as banners, animation, automatic date and layers that make publishing on the Internet possible! Topics covered include: HyperText Markup Language (HTML) including advanced HTML features such as frames, tables, forms and check boxes; gif and jpeg files; animated cartoons; scanner and digital camera projects to include in your personal web pages.

An integral part of the program is an opportunity for participating in a student professional organization (DECA/BPA). Students completing the program may receive credits towards the prestigious High School MBA Award.

*Pioneer:
This is a State-Approved CTE course. Students are eligible, upon successful completion of this program (2 semesters or at least 2 trimesters), to substitute this course for the following graduation credits:
1 credit of World Language
1 credit of Science
Through a personal curriculum a State-Approved CTE course may substitute for a VPAA credit.

Students may be eligible to receive college credit for successful completion of this course at Washtenaw Community College through the Articulation program. Students should contact their teacher for more information.

WEB PAGE DESIGN I IB
Course #: IB611021
Grade(s): 9, 10, 11, 12

**Prerequisite:** None

**School(s):** Huron

**Duration:** 1 Term

**Credit/Term**
0.5

**Meets Grad Requirements**
VPAA: Art (.5)

Web pages have become important to our daily lives! Learn how to create these pages which may include the following software packages: Adobe Dreamweaver suite and Notepad. Discover the mysterious HTML tags, content development and multimedia elements, the adding of dynamic effects such as banners, animation, automatic date and layers that make publishing on the Internet possible! Topics covered include: HyperText Markup Language (HTML) including advanced HTML features such as frames, tables, forms and check boxes; gif and jpeg files; animated cartoons; scanner and digital camera projects to include in your personal web pages.

An integral part of the program is an opportunity for participating in a student professional organization (DECA/BPA). Students completing the program may receive credits towards the prestigious High School MBA Award.

This is a State-Approved CTE course. Students are eligible, upon successful completion of this program (2 semesters or at least 2 trimesters), to substitute this course for the following graduation credits:
1 credit of World Language
1 credit of Science
Through a personal curriculum a State-Approved CTE course may substitute for a VPAA credit.

Students may be eligible to receive college credit for successful completion of this course at Washtenaw Community College through the Articulation program. Students should contact their teacher for more information.
WEB PAGE DESIGN II  
Course #: 611022  
Grade(s): 9, 10, 11, 12  
Duration: 1 Term  
Credit/Term: 0.5  
Meets Grad Requirements: VPAA: Art (.5)  
Prerequisite: Web Page Design I  
NCAA Status:  
Continue your web page design experience by planning and designing web pages that include all the bells and whistles! Plan and design dynamic web pages that include animated symbols/buttons and layers. Flash: create your own movie streams and animations; and add sound to your web pages. Fireworks: Create sophisticated buttons/JavaScript buttons/advanced rollovers; create hotspots and image maps; create slicing images; apply live effects; and create and export animations.

*Pioneer:  
An integral part of the program is an opportunity for participating in a student professional organization (DECA/BPA). Students completing the program may receive credits towards the prestigious High School MBA Award at Pioneer.

This is a State-Approved CTE course. Students are eligible, upon successful completion of this program (2 semesters or at least 2 trimesters), to substitute this course for the following graduation credits:
- 1 credit of World Language
- 1 credit of Science
Through a personal curriculum a State-Approved CTE course may substitute for a VPAA credit.

Students may be eligible to receive college credit for successful completion of this course at Washtenaw Community College through the Articulation program. Students should contact their teacher for more information.

WEB PAGE DESIGN II IB  
Course #: IB611022  
Grade(s): 9, 10, 11, 12  
Duration: 1 Term  
Credit/Term: 0.5  
Meets Grad Requirements: VPAA: Art (.5)  
Prerequisite: Web Page Design I  
NCAA Status:  
Continue your web page design experience by planning and designing web pages that include all the bells and whistles! Plan and design dynamic web pages that include animated symbols/buttons and layers. Flash: create your own movie streams and animations; and add sound to your web pages. Fireworks: Create sophisticated buttons/JavaScript buttons/advanced rollovers; create hotspots and image maps; create slicing images; apply live effects; and create and export animations.

An integral part of the program is an opportunity for participating in a student professional organization (DECA/BPA). Students completing the program may receive credits towards the prestigious High School MBA Award at Pioneer.

This is a State-Approved CTE course. Students are eligible, upon successful completion of this program (2 semesters or at least 2 trimesters), to substitute this course for the following graduation credits:
- 1 credit of World Language
- 1 credit of Science
Through a personal curriculum a State-Approved CTE course may substitute for a VPAA credit.

Students may be eligible to receive college credit for successful completion of this course at Washtenaw Community College through the Articulation program. Students should contact their teacher for more information.
### AUTO, KNOW YOUR

**Course #:** 651521  
**School(s):** Pioneer  
**Grade(s):** 9, 10, 11, 12  

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td></td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

This course introduces the basic fundamentals of vehicle service and preventative maintenance. It is an excellent entry to further your automotive knowledge, for either a student considering a CTE automotive pathway and for all automobile owners. The content covered includes: vehicle ownership, under-hood checks, safety inspections, emergency procedures, and a basic understanding of automotive tools and service procedures. Students will have the opportunity to perform basic maintenance including: oil changes, car detailing, basic brake service, and other basic services. After completion of this course students will have a basic understanding of vehicle ownership, service requirements and safety procedures.

### AUTO, KNOW YOUR IB

**Course #:** IB651521  
**School(s):** Huron  
**Grade(s):** 9, 10, 11, 12  

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td></td>
<td>Teacher approval</td>
<td></td>
</tr>
</tbody>
</table>

This course introduces the basic fundamentals of vehicle service and preventative maintenance. It is an excellent entry to further your automotive knowledge, for either a student considering a CTE automotive pathway and for all automobile owners. The content covered includes: vehicle ownership, underhood checks, safety inspections, emergency procedures, and a basic understanding of automotive tools and service procedures. Students will have the opportunity to perform basic maintenance including: oil changes, car detailing, basic brake service, and other basic services. After completion of this course students will have a basic understanding of vehicle ownership, service requirements and safety procedures.

### AUTO SERVICE TECHNOLOGY I

**Course #:** 651531  
**School(s):** Huron, Pioneer  
**Grade(s):** 11, 12  

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year (2 periods per term)</td>
<td>1.0</td>
<td>Math Elective</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

Auto Service Technology is redesigned, exciting, and is open to juniors and seniors who are interested in learning more about automotive service and repair. Students will learn to use industry standard diagnostic equipment as they work on “live” projects with the opportunity to work on their own car.

Students develop their automotive knowledge through hands-on, project-based learning in a limited class size environment, to learn the skills they need. Come join the fun and learn skills that you will use throughout your lifetime! This two-hour course will prepare graduates for a national automotive certificate (ASE) and accelerate their college journey.

Students may be eligible to receive college credit at Washtenaw Community College through the Articulation program. Students should contact their teacher for more information.

This is a State-Approved CTE course. Students are eligible, upon successful completion of this program (2 semesters or at least 2 trimesters), to substitute this course for the following graduation credits:
1 credit of World Language
1 credit of Science
Through a personal curriculum a State-Approved CTE course may substitute for a VPAA credit.

Students may be eligible to receive college credit for successful completion of this course at Washtenaw Community College through the Articulation program. Students should contact their teacher for more information.
### AUTO SERVICE TECHNOLOGY II

**Course #:** 651532  
**Grade(s):** 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year (2 periods per term)</td>
<td>1.0</td>
<td>Math Elective</td>
<td>Auto Service Technology I</td>
<td></td>
</tr>
</tbody>
</table>

During the Auto Service Tech II class students will repair automotive electrical lighting instrumentation, convenience and accessory systems with the focus on advanced tools and techniques used to diagnose electrical and electronic systems found in today’s modern automobiles, apply proper techniques in performing 4-wheel alignments using Hunter Alignment machine as well as replacing major suspension and steering components. Hands-on, project-based lab learning.

Students may be eligible to receive college credit at Washtenaw Community College through the Articulation program. Students should contact their teacher for more information.

### AUTO SERVICE TECHNOLOGY, ADVANCED

**Course #:** 651533  
**Grade(s):** 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year</td>
<td>0.5</td>
<td></td>
<td>Auto Service Technology I</td>
<td></td>
</tr>
</tbody>
</table>

This course is open to students who have completed the first year of Auto Service Technology I. During this course students continue their auto service diagnostic and repair skills learned in Auto Service Technology I. Students will focus on the repair of automobiles during live lab work experiences. Students will be using the Hunter alignment rack and other advanced training equipment to diagnose, maintain, and repair automobile, marine or small engines. All learning is hands-on, project-based learning.

Students may be eligible to receive college credit at Washtenaw Community College through the Articulation program. Students should contact their teacher for more information.

### BAKING AND PASTRY ARTS

**Course #:** 654037  
**Grade(s):** 10, 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year</td>
<td>0.5 per term</td>
<td></td>
<td>Hospitality &amp; Culinary Arts OR Foods &amp; Nutrition AND Multicultural Foods</td>
<td></td>
</tr>
</tbody>
</table>

This course is an advanced course designed to educate students in the art of Baking and Pastry Arts. Students will learn the basics of mixing, shaping and baking for several baked goods including quick breads, cakes, pastry dough’s, mousses, sauces, glazes, cookies, cookies, confections. Plated desserts, international baked foods and decorated cakes are highlighted. In addition, students will be introduced to decorating techniques.

Students will learn in a well-equipped, modern kitchen and also prepare food for school functions and community service events. This course includes classroom instruction and practical lab work in a commercial kitchen.
COSMETOLOGY

Course #: 655510

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Years</td>
<td>1.50</td>
<td>Science Elective (1.0)</td>
<td>Application &amp; Interview</td>
<td></td>
</tr>
<tr>
<td>(3 periods per term)</td>
<td></td>
<td>VPAA: Art (.5)</td>
<td></td>
<td></td>
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</tbody>
</table>

The Cosmetology program offered through the public schools prepares a student for employment in one of our nation’s largest personal service industries. Students must enroll in the course for two school years plus summer sessions. The Cosmetology program prepares a student with the entry-level skills needed for employment in the beauty trades. Class work includes all skills required in the professional care and fashion of hair, nails and skin.

This program is open only to those eligible students who have made a serious commitment to become professional cosmetologists.

The off-site program is offered at Huron Valley Beauty Academy. Transportation is provided.

Upon completion of the 1500 hours combined theory and clinical instruction, the student will be qualified to take the State Board of Cosmetology exam.

This is a State-Approved CTE course. Students are eligible, upon successful completion of this program (2 semesters or at least 2 trimesters), to substitute this course for the following graduation credits:
1 credit of World Language
1 credit of Science

Through a personal curriculum a State-Approved CTE course may substitute for a VPAA credit.

Students may be eligible to receive college credit for successful completion of this course at Washtenaw Community College through the Articulation program. Students should contact their teacher for more information.

CULINARY ARTS AND HOSPITALITY

Course #: 654035

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Year</td>
<td>1.0 per term</td>
<td>Math Elective (1.0)</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>(2 periods per term)</td>
<td></td>
<td>or VPAA: Art (.5)</td>
<td></td>
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</tbody>
</table>

This culinary course is designed for students who are looking towards a career in the culinary or hospitality field. Students will develop skills to make them marketable in the culinary/hospitality industry whether they choose this as a career or an opportunity for high-demand jobs in the Ann Arbor community. A hands-on, project-based course, where students will learn to work in teams to prepare and serve culinary delights. Students will learn knife skills, food safety, and professional food preparation. Students are encouraged to participate in school-related catering events and state and local competitions highlighting their culinary skills.

Students enrolling are expected to participate all year.

*Huron & Pioneer:
This is a State-Approved CTE course. Students are eligible, upon successful completion of this program (2 semesters or at least 2 trimesters), to substitute this course for the following graduation credits:
1 credit of World Language
1 credit of Science

Through a personal curriculum a State-Approved CTE course may substitute for a VPAA credit.

*Huron & Pioneer: Students may be eligible to receive college credit for successful completion of this course at Washtenaw Community College through the Articulation program. Students should contact their teacher for more information.
### ENGINE REPAIR

**Course #:** 651511  
**Grade(s):** 9, 10, 11, 12  
**School(s):** Pioneer  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Prerequisite:** None  
**NCAA Status:** None

Want to learn how your car engine works? In this course, students will disassemble and put engines back together so that they learn about the parts and mechanics of the automobile engine. A great course for students who want hands-on experience as they learn the inner workings of the engine under the hood of a car. This course is an excellent introduction to applied mechanical processes.

### FOODS, MULTICULTURAL

**Course #:** 654021  
**Grade(s):** 9, 10, 11, 12  
**School(s):** Huron, Pioneer  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Prerequisite:** None  
**NCAA Status:** None

This course is designed to emphasize students’ understanding of the different characteristics of foods from different cultures, regions and countries. Students will explore social factors that might influence their eating habits. We will research regional cuisines, select recipes and prepare foods from around the world. Additional topics include safety and sanitation, kitchen math, nutrition and vegetarianism.

### FOODS, NUTRITION AND

**Course #:** 654011  
**Grade(s):** 9, 10, 11, 12  
**School(s):** Pioneer  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Prerequisite:** None  
**NCAA Status:** None

This course is designed to provide students with skills necessary to apply proper nutrition to meal planning and preparation. Students also have opportunities to participate in various laboratory experiences. These experiences focus on creative and nutritious food choices. Yes, you get to eat everything you make! During this course we will cover the following topics and areas of study: nutrition and its relationship to food preparation and health, food safety and kitchen sanitation, kitchen math, social, cultural and media influences on our food choices, trends in eating patterns and disorders, table manners, and exploration of job and career opportunities.

### FOODS, NUTRITION AND IB

**Course #:** IB654011  
**Grade(s):** 9, 10, 11, 12  
**School(s):** Huron  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Prerequisite:** None  
**NCAA Status:** None

This course is designed to provide students with skills necessary to apply proper nutrition to meal planning and preparation. Students also have opportunities to participate in various laboratory experiences. These experiences focus on creative and nutritious food choices. Yes, you get to eat everything you make! During this course we will cover the following topics and areas of study: nutrition and its relationship to food preparation and health, food safety and kitchen sanitation, kitchen math, social, cultural and media influences on our food choices, trends in eating patterns and disorders, table manners, and exploration of job and career opportunities.
HEALTH SCIENCES TECHNOLOGY (Semester 1)
HEALTH SCIENCES CLINICAL (Semester 2)

School(s): Huron, Pioneer
Course #: 651010 651020
Grade(s): 12

Health Sciences Technology is designed for 12th grade students interested in health careers at the professional level. The program is open to all Ann Arbor High School students. The course places emphasis on anatomy and physiology, which will prepare students for college level coursework.

Areas of study include anatomy and physiology, disease process, medical ethics, patient rights, medical terminology, advancement and trends in health care, and career exploration. Students will receive Professional Rescuer certification in CPR and First Aid, as well as develop skills in taking vital signs, patient care and safety, health education, assessment and documentation. Professionals from various health occupations will present information regarding their personal experience in medicine, nursing, dentistry, respiratory therapy, physical therapy, and more. During 2nd semester, students shadow health care professionals in hospitals, clinics, long-term care facilities and therapy centers.

This is a State-Approved CTE course. Students are eligible, upon successful completion of this program (2 semesters or at least 2 trimesters), to substitute this course for the following graduation credits:
- 1 credit of World Language
- 1 credit of Science

Through a personal curriculum a State-Approved CTE course may substitute for a VPAA credit.

Students may be eligible to receive college credit for successful completion of this course at Washtenaw Community College through the Articulation program. Students should contact their teacher for more information.

HEALTH SCIENCES WORK-BASED LEARNING

School(s): Huron, Pioneer
Course #: 651091
Grade(s): 11, 12

Work-Based Learning (WBL) extends student-learning opportunities beyond the school building into the workplace through supervised, part-time employment. This course serves as a laboratory experience for students enrolled in the Health Sciences class, and provides an actual paid part-time job closely supervised by the school. Students will be able to practice or observe skills learned in their class under the direct supervision of an employer.

Students may enroll in one or more semesters. Students must work a minimum of 10 hours per week. Hours of work will be after school, but students may shorten their school schedule to accommodate their job.
**HOMEBUILDING**

**Course #: 653510**

**School(s):** All High Schools

**Grade(s):** 11, 12

<table>
<thead>
<tr>
<th>Duration:</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year (3 periods per term)</td>
<td>1.5</td>
<td>Math Elective (1.0) or VPAA: Art (.5)</td>
<td>Application &amp; Interview</td>
<td></td>
</tr>
</tbody>
</table>

This program is designed especially for those students who are interested in the architecture, engineering and design as well as the construction trades industries. Students are involved in the complete construction of a residential house. Emphasis is placed on the development of teamwork to complete the project. Skills students will develop include masonry, frame carpentry, plumbing, electrical wiring, installation of heating and air conditioning equipment, blueprint reading, flooring installation, painting, trim carpentry and employability skills.

Application process is required.

Classroom hours also fulfill state requirements toward building licensure.

Students spend three hours per day on the program. Students enrolling are expected to participate all year. Transportation is provided.

This course may be repeated based on teacher recommendation.

This is a State-Approved CTE course. Students are eligible, upon successful completion of this program (2 semesters or at least 2 trimesters), to substitute this course for the following graduation credits: 1 credit of World Language, 1 credit of Science. Through a personal curriculum a State-Approved CTE course may substitute for a VPAA credit.

Students may be eligible to receive college credit for successful completion of this course at Washtenaw Community College through the Articulation program. Students should contact their teacher for more information.

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**HOSPITALITY TODAY**

**Course #: 654033**

**School(s):** Huron, Pathways, Pioneer

**Grade(s):** 11, 12

<table>
<thead>
<tr>
<th>Duration:</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Year (1 period per term)</td>
<td>0.5 per term</td>
<td>Math Elective (1.0) or VPAA: Art (.5)</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

This course will focus on the major components in the rapidly growing Hospitality industry. The primary areas of focus will include Culinary Arts, Lodging and Travel/Tourism. This hands-on focus will blend a classroom environment with the support of the community which will include both field trips in the local community and subject-related expert presentations. Students will learn the importance of skills in communication, problem solving and techniques to handle what it takes to make it in today’s Hospitality industry. Students will also be exposed to the production side of hospitality by catering different school activities/events. Students are encouraged to participate in student competitions.

Students enrolling are expected to participate all year.

Huron & Pioneer: Students may be eligible to receive college credit for successful completion of this course at Washtenaw Community College through the Articulation program. Students should contact their teacher for more information.
### INTERIOR DESIGN
**Course #:** 654041  
**School(s):** Huron  
**Grade(s):** 9, 10, 11, 12

**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** VPAA: Art (.5)  
**Prerequisite:** None  
**NCAA Status:**

This course is an interesting and challenging course that allows you an opportunity to explore some possible career avenues and develop skills that you can apply throughout life. During this course we will cover the following topics and areas of study: the need for housing, careers in housing and interiors, choosing where to live, renting versus buying, understanding construction, interior and exterior design, landscaping, architectural design, reading and creating layout designs, furniture arrangement, materials, and exploration of job and career opportunities in the design industry.

### PARENTING - CHILD DEVELOPMENT
**Course #:** 654051  
**School(s):** Huron  
**Grade(s):** 9, 10, 11, 12

**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** None  
**Prerequisite:**

In this course, students gain an understanding of the development and care of children from infancy through young adult. Consideration is given to parenting skills, discipline, and guidance that will promote the development of a happy and secure individual. Areas of study include: parenting choices, heredity and human reproduction, pregnancy and prenatal care, birth and care of a newborn. Students will study physical, intellectual, emotional and social development of children, children’s activities, effective parenting skills, and community resources and services for children and family crisis. Students interested in education, medicine, psychology or other child-related careers will benefit from this class. This course is valuable to both male and female students for developing effective parenting skills. Students will practice with baby simulators.

### TECHNICAL/INDUSTRIAL WORK-BASED LEARNING
**Course #:** 657091  
**School(s):** Huron, Pioneer, Skyline  
**Grade(s):** 11, 12

**Duration:** Year (2 periods per term)  
**Credit/Term:** 1.0  
**Meets Grad Requirements:** None  
**Prerequisite:** 16 years old; enrollment in/completion of, CTE course related to the student’s job placement.

**NCAA Status:**

Work-Based Learning (WBL) extends student-learning opportunities beyond the school building into the workplace through supervised, part-time employment. This course serves as a laboratory experience for students enrolled in the technology courses, and provides an actual paid part-time job closely supervised by the school. Students will be able to practice or observe skills learned in their technology class under the direct supervision of an employer. Students must be enrolled in Auto Service Technology, Cosmetology, Homebuilding or Hospitality.

Students may enroll in one or more semesters. Students must work a minimum of 10 hours per week. Hours of work will be after school, but students may shorten their school schedule to accommodate their job.

### WORK-BASED LEARNING
**Course #:** 657591  
**School(s):** Huron, Pathways  
**Grade(s):** 11, 12

**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** None  
**Prerequisite:** 16 years old

Work-Based Learning (WBL) extends student learning opportunities beyond the school building into the work place through supervised, part-time employment. This provides an actual paid part-time job closely supervised by the school. Students will be able to practice or observe under the direct supervision of an employer.

Students may enroll in one or more semesters. Students must work a minimum of 10 hours per week. Hours of work will be after school, but students may shorten their school schedule to accommodate their job.

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Course offerings are subject to sufficient enrollment; course offerings and descriptions are subject to change.

Ann Arbor Public Schools  
2020-2021 High School Course Guide
This course is meant to build upon the skills developed in the Computer Science Principles course. Using primarily the Java programming language as tested by the College Board on the Advanced Placement Test, students will experience a rigorous exploration of the theory and associated techniques of object-oriented computer programming. Topics will include: 1) The history and development of the object-oriented approach to computer software engineering; 2) How to utilize the object-oriented aspects of a programming language to achieve its full potential as a programming tool; 3) Conditional, looping, arrays, sorting and searching, recursion, and algorithm complexity are covered; 4) Future developments in object-oriented programming languages and computer programming in general. Other languages and environments may be included as well. Significant out-of-class programming time should be expected.

This course has preparation for the Advanced Placement examination, for college credit, as one of its objectives. However, students electing the course are not obligated to take the examination. AP testing occurs in May.

Computer Science Principles (CSP) introduces the student to the essential ideas of computer science and shows how computing and technology can influence the world around them. The student can pursue interests in digital projects -- like apps, films, games or music -- that showcase creativity, and use creations to make a difference in your community. The course is designed to be equivalent to a first semester introductory college computing course.

Utilizing the concept of computational thinking as a unifying theme, topics covered in this class are the 'Seven Big Ideas' of Computer Science and include: Creativity, Abstraction, Data & Information, Algorithms, Programming, the Internet and Global Impact of computing. Approximately 50% of the course will be learning to program in programming languages such as JavaScript, Python, etc.
**COMPUTER SCIENCE PRINCIPLES, AP**

Course #: 614063, 614049, 614050

School(s): Huron, Pioneer, *Skyline

Grade(s): 9, 10, 11, 12

| Duration: 2 terms | Credit/Term: 0.5 | Meets Grad Requirements: Math Elective | Prerequisite: Should have taken and passed Algebra I | NCAA Status: APPROVED |

Computer Science Principles, AP (CSP AP) introduces the student to the essential ideas of computer science and shows how computing and technology can influence the world around them. The student can pursue interests in digital projects -- like apps, films, games or music -- that showcase creativity, and use creations to make a difference in your community. The course is designed to be equivalent to a first-semester introductory college computing course. This is a good course to introduce yourself to the AP experience.

Utilizing the concept of computational thinking as a unifying theme, topics covered in this class are the 'Seven Big Ideas' of Computer Science and include: Creativity, Abstraction, Data & Information, Algorithms, Programming, the Internet and Global Impact of computing. Approximately 50% of the course will be learning to program in programming languages such as JavaScript, Python, etc.

This course has preparation for the Advanced Placement examination, for college credit, as one of its objectives. However, students electing the course are not obligated to take the examination. AP testing occurs in May.
COMPUTER SCIENCE

COMPUTER SCIENCE SL/HL YR1 IB
COMPUTER SCIENCE SL YR2 IB
COMPUTER SCIENCE HL YR2 IB

Course #:
IB309400
IB309401
IB309402

Grade(s):  11, 12

School(s):  Huron

Duration: Year each
Credit/Term 0.5
Meets Grad Requirements Math Elective
Prerequisite: Successful completion of Algebra I
NCAA Status APPROVED

Computer Science SL/HL Yr1 (Grade 11)
Computer Science SL/HL Yr1 is the first year of a two-year course that encourages the exploration of the fundamental concepts of computational thinking as well as knowledge of how computers and other digital devices operate. IBCS is engaging, accessible, inspiring and rigorous. It has the following characteristics. As part of the course, students will be enabled and empowered to develop innovation, exploration and the acquisition of further knowledge. The curriculum will present opportunities to explore and discuss how technology interacts and influences cultures, societies both at the collective and individual level.

Computational thinking - the ability to think procedurally, logically, concurrently, abstractly, recursively and think ahead - is woven throughout the course. The course itself utilizes an experimental and inquiry-based approach to problem-solving where students develop computational solutions to problems by developing algorithms (and express them clearly) and appreciate how theoretical and practical limitations affect the extent to which problems can be solved computationally. The abilities of identifying a problem (or unanswered question), design, prototype and test a proposed solution and ultimately liaise with clients to evaluate the success of the proposed solution and make recommendations for future developments are also developed throughout the course as part of the design cycle. This course satisfies the Sciences requirement for Full IB Diploma students.

Computer Science SL Yr2 (Grade 12)
Computer Science SL Yr2 (IB) is the second year of a two-year course. The course encourages the exploration of the fundamental concepts of computational thinking as well as knowledge of how computers and other digital devices operate. IBCS is engaging, accessible, inspiring and rigorous. It has the following characteristics. As part of the course, students will be enabled and empowered to develop innovation, exploration and the acquisition of further knowledge. The curriculum will present opportunities to explore and discuss how technology interacts and influences cultures, societies both at the collective and individual level.

Computational thinking - the ability to think procedurally, logically, concurrently, abstractly, recursively and think ahead - is woven throughout the course. The course itself utilizes an experimental and inquiry-based approach to problem-solving where students develop computational solutions to problems by developing algorithms (and express them clearly) and appreciate how theoretical and practical limitations affect the extent to which problems can be solved computationally. The abilities of identifying a problem (or unanswered question), design, prototype and test a proposed solution and ultimately liaise with clients to evaluate the success of the proposed solution and make recommendations for future developments are also developed throughout the course as part of the design cycle. This course satisfies the Sciences requirement for Full IB Diploma students.

Computer Science HL Yr2 (Grade 12)
Computer Science HL Yr2 (IB) is the second year of a two-year course that encourages the exploration of the fundamental concepts of computational thinking as well as knowledge of how computers and other digital devices operate. IBCS is engaging, accessible, inspiring and rigorous. It has the following characteristics. As part of the course, students will be enabled and empowered to develop innovation, exploration and the acquisition of further knowledge. The curriculum will present opportunities to explore and discuss how technology interacts and influences cultures, societies both at the collective and individual level.

Computational thinking - the ability to think procedurally, logically, concurrently, abstractly, recursively and think ahead - is woven throughout the course. The course itself utilizes an experimental and inquiry-based approach to problem-solving where students develop computational solutions to problems by developing algorithms (and express them clearly) and appreciate how theoretical and practical limitations affect the extent to which problems can be solved computationally. The abilities of identifying a problem (or unanswered question), design, prototype and test a proposed solution and ultimately liaise with clients to evaluate the success of the proposed solution and make recommendations for future developments are also developed throughout the course as part of the design cycle. This course satisfies the Sciences requirement for Full IB Diploma students.
## COMPUTER SCIENCE

### COMPUTER SCIENCE: PROGRAMMING IN SWIFT

**Course #:** 303040, 303041, 303042  
**School(s):** Community, Huron, Pathways, Pioneer, Skyline  
**Duration:** 2 Terms  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** Math Elective  
**Prerequisite:** Computer Science Principles or equivalent programming experience  
**NCAA Status:** APPROVED  

Learn to create professional-quality apps for iOS and Android devices. Topics include iOS programming with Apple's new app language Swift, navigation and workflows, tables and storing data, interacting with the Web, prototyping and project planning; and Android programming with MIT App Inventor and Android Studio. Computer Science Principles or equivalent programming experience required.

### CYBERSECURITY I

**Course #:** 614055  
**School(s):** Huron, Pioneer, Skyline  
**Grade(s):** 11, 12  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:**  
**Prerequisite:** none  
**NCAA Status:**  

Students will develop skills for entry-level networking and cybersecurity positions. They will learn and become proficient in skills related to information and systems security, network security, ethics and laws, and defense/mitigation techniques used in protecting individuals and businesses from cyber threats. Certifications will be offered in Microsoft Windows Operating System Fundamentals, and Microsoft Networking Fundamentals.

An integral part of the program is an opportunity for participating in a student professional organization (DECA/BPA).

This is a State-Approved CTE course. Students are eligible, upon successful completion of this program (2 semesters or at least 2 trimesters), to substitute this course for the following graduation credits:
1 credit of World Language  
1 credit of Science  
Through a personal curriculum a State-Approved CTE course may substitute for a VPAA credit.

Students may be eligible to receive college credit for successful completion of this course at Washtenaw Community College through the Articulation program. Students should contact their teacher for more information.

### CYBERSECURITY II

**Course #:** 614056  
**School(s):** Huron, Pioneer, Skyline  
**Grade(s):** 11, 12  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:**  
**Prerequisite:** Cybersecurity I  
**NCAA Status:**  

Students will master skills for entry-level networking and cybersecurity positions. Focus in this course will be placed on network security, computer and networking hardware deployment, and applying multiple layers of security to a network. Certifications will be offered in Microsoft Security Fundamentals, and PC and Security Pro Certification.

An integral part of the program is an opportunity for participating in a student professional organization (DECA/BPA).

This is a State-Approved CTE course. Students are eligible, upon successful completion of this program (2 semesters or at least 2 trimesters), to substitute this course for the following graduation credits:
1 credit of World Language  
1 credit of Science  
Through a personal curriculum a State-Approved CTE course may substitute for a VPAA credit.

Students may be eligible to receive college credit for successful completion of this course at Washtenaw Community College through the Articulation program. Students should contact their teacher for more information.

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Course offerings are subject to sufficient enrollment; course offerings and descriptions are subject to change.  
Ann Arbor Public Schools  
2020-2021 High School Course Guide
English and English Elective courses are aligned to the Michigan Standards for English Language Arts (ELA). Students experience texts and ideas as a community of learners to hone small- and large-group interpersonal communication skills in reading, writing, speaking, listening and language. All courses require completion of sixth, seventh, and eighth grade middle school ELA courses.

Typical English Language Arts Offerings by Grade Level
*(course offerings may vary by school)*

**GRADE 9**

* English 9 or English 9 IB  
** English Learning (EL) I, II, II  
*** Introduction to Literature  
• Acting I & II  
• Argumentation  
• Composition  
• English Plus  
• Journalism I & Journalism, Advanced  
• Literature, Women’s I  
• Speech & Communication  
• TV & Radio Production I & II  
• Writing, Creative Poetry & Prose I & II

**GRADE 10**

* English 10 or English 10 IB  
** English Learning (EL) I, II, II  
• Acting I & II  
• Argumentation  
• Composition  
• English 10 Intensive (Pioneer)  
• English Plus  
• Humanities, African American English AC (Huron)  
• Journalism I & Journalism, Advanced  
• Literature, Women’s I  
• Speech & Communication  
• TV & Radio Production I & II  
• Writing, Creative Poetry & Prose I & II

**GRADE 11**

• Acting I & II  
• Argumentation  
• Composition  
• English 11  
• English Learning (EL) I, II & III  
• English Language Composition, AP  
• Journalism I & Journalism, Advanced  
• Literature, African-American  
• Literature, American  
• Literature, British  
• Literature, Modern Readings  
• Literature, Short Readings  
• Literature, Twentieth Century  
• Literature, Women’s I  
• Speech & Communication  
• TV & Radio Production I & II  
• Writing, Creative Poetry & Prose I & II  
• Writing for Publication: Newspaper & Yearbook

**GRADE 12**

• Acting I & II  
• Argumentation  
• Composition  
• English 12  
• English Learning (EL) I, II & III  
• English Language Composition, AP  
• Film I, Literature As & II  
• Journalism I & Journalism, Advanced  
• Literature, African-American  
• Literature, American  
• Literature, British  
• Literature, Contemporary World  
• Literature, Modern Readings  
• Literature, Short Readings  
• Literature, Twentieth Century  
• Literature, Women’s I  
• Speech & Communication  
• TV & Radio Production I & II  
• Writing, Creative Poetry & Prose I & II  
• Writing for Publication: Newspaper & Yearbook

**Grade 11 & 12 - IB**

• Film SL/HL – IB  
• Language & Literature HL – IB  
• Literature HL - IB

* Required for graduation  
** English Plus and EL meet the English 9 and English 10 graduation requirement  
*** Introduction to Literature replaces the English 9 and English 10 graduation requirement at Community and Pathways

Course offerings are subject to sufficient enrollment; course offerings and descriptions are subject to change.

Ann Arbor Public Schools  
2020-2021 High School Course Guide
### Academic Literacy

**Course #:** 103014, 103018, 103019, 103020  
**School(s):** Huron, Pathways, Pioneer, Skyline  
**Grade(s):** 9, 10  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** English Elective; to keep students on track for graduation, Academic Literacy can count toward English 9 or English 10 graduation credit  
**Prerequisite:** Literacy assessments and teacher recommendation  
**NCAA Status:**  

Students in Academic Literacy must be co-seated in English 9 or English 10. Academic Literacy is a Tier II course focused on developing foundational literacy skills. Every student will read, write, speak, listen, and reflect daily. Using restorative literacy practices to become a culturally responsive community of learners is an expectation of this course. Student choice guides the texts and topics we study. Reflection, attention to metacognition and cognitive process analysis are built in to daily lessons.

Academic Literacy is structured as a reading-writing workshop in which teachers help students set and work on individual goals that are consistently monitored and updated. These goals will be short term and manageable, so student and teacher can frequently stretch toward the next goal. Students will work on three goals at a time, one related to each of the following on-going units:
1. Build fluency, stamina, and identity through voluminous reading and writing.
2. Understand how language works, including academic vocabulary, morphology (roots, prefixes, suffixes), sentence structure, and punctuation.
3. Deepen comprehension & communication while building background knowledge, problem-solving strategies, and reasoning skills.

### Acting I

**Course #:** 106011  
**School(s):** All High Schools  
**Grade(s):** 9, 10, 11, 12  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** VPAA or English Elective  
**Prerequisite:** Theater I (at Skyline)  
**NCAA Status:**  

Acting I is an introductory course in the fundamentals of stage acting. Through games, activities, exercises and performances that include but are not limited to storytelling, scenes and monologues, students gain confidence in presenting themselves before an audience, develop their skills in focus, concentration, movement, and vocal delivery. In a safe and positive environment students build together, they have the opportunity to take risks and reflect upon themselves and their experiences with the goal of expressing emotion and thought on stage in a believable and fulfilling way. Students engage in critical, thoughtful discussions, language study, and various forms of writing.

This course is aligned to the Michigan Standards in VPAA and ELA.

### Acting II

**Course #:** 106012  
**School(s):** All High Schools  
**Grade(s):** 9, 10, 11, 12  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** VPAA or English Elective  
**Prerequisite:** Acting I or Theater I (at Skyline)  
**NCAA Status:**  

Successful completion of Acting I is a prerequisite, but this can be waived with teacher permission. Acting II builds upon the skills of Acting I but is more focused on performance of monologues, scenes, and one act plays. Performances are attended by invited audiences and guests, including a performing arts festival. The class also takes field trips to a professional theater performance. Students engage in critical reading, thoughtful discussions, language study, and various forms of writing. Acting II is the ideal course for students who have a desire to act in “straight theater” (as opposed to musical theater) and are seeking opportunities to develop their skills.

This course is aligned to the Michigan standards in VPAA and ELA.
### ARGUMENTATION

**School(s):** Huron, Pioneer  
**Course #:** 106031  
**Grade(s):** 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td>English Elective</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

Students study persuasive public speaking and debate. Students research, outline, present and support logical arguments in a debate setting. Students study speech organization, persuasion strategies and delivery techniques. They evaluate content and delivery of speeches. Students gain experience defending their arguments when questioned by their “opponents” and class by using evidence, critical thinking, and listening skills. Students participate in various public speaking assignments ending with a formal team debate.

### COMPOSITION, WRITING

**School(s):** Community, Huron, Pathways, Skyline  
**Course #:** 103011  
**Grade(s):** 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td>English Elective</td>
<td>None</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

Composition focuses on the development of expository writing skills. Coursework includes concentration on sentence variation, paragraph development, and essay organization. Students progress from free writing to the finished essay. Students build skills by analyzing model essays, attending to genre, audience and purpose, writing daily, and self assessment. Students engage in critical reading, thoughtful discussions, language study, and various forms of writing.

### ENGLISH 9

**School(s):** Pathways, Pioneer, Skyline  
**Course #:** 102011, 102013, 102014  
**Grade(s):** 9

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Terms</td>
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<td>APPROVED</td>
</tr>
</tbody>
</table>

English 9 students read literature and nonfiction texts; analyze texts through close reading and application of critical perspectives; write creatively and analytically; develop speaking and listening skills; and study how language functions in different contexts. English 9 builds students’ ability to analyze bias, author’s intent, and literacy devices; make claims supported with textual evidence; identify and address counter arguments; and learn to use an authoritative tone; develop small group oral communication skills using a process approach.

This course is the first half of a two-year sequence to be completed in English 10.

**Skyline:**  
Portions of this course are designed to correlate with the social studies world history focus.

### ENGLISH 9 IB

**School(s):** Huron  
**Course #:** IB102011  
**Grade(s):** 9

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year</td>
<td>.5</td>
<td>English</td>
<td>None</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

English 9 (IB) students read literature and nonfiction texts; analyze texts through close reading and application of critical perspectives; write creatively and analytically; develop speaking and listening skills; and study how language functions in different contexts. English 9 builds students’ ability to analyze bias, author’s intent, and literary devices; make claims supported with textual evidence; identify and address counterarguments; and learn to use an authoritative tone; develop small group oral communication skills using a process approach. The International Baccalaureate MYP framework emphasizes a global and inquiry-based approach toward learning.
ENGLISH LANGUAGE ARTS

ENGLISH 10
Course #: 102021, 102019, 102020
Grade(s): 10
Duration: 2 Terms
Credit/Term: 0.5
Meets Grad Requirements: English 10
Prerequisite: Second half of a two-year sequence begun in English 9
NCAA Status: APPROVED

English 10 students read literature and nonfiction texts; analyze texts through close reading and application of critical perspectives; write creatively and analytically; develop oral communication skills for small and large groups; and study the history of English language. Students continue to increase their literary analysis skills by studying a variety of authors and works as they analyze multiple perspectives and a variety of literary devices, support their claims with evidence from more than one source, and make formal written and oral presentations with attention to their audience.

This course is the second half of a two-year sequence begun in English 9.

ENGLISH 10 IB
Course #: IB102021
Grade(s): 10
Duration: Year
Credit/Term: 0.5
Meets Grad Requirements: English
Prerequisite: English 9
NCAA Status: APPROVED

English 10 (IB) is an inquiry-based collaborative where all students will develop into globally-minded listeners, speakers, readers, and writers. Students will read literature and nonfiction texts, analyze texts through close reading and application of critical perspectives; write creatively and analytically; develop oral communication skills for small and large groups; and study the history of English language. Students continue to increase their literary analysis skills by studying a variety of authors and works as they analyze multiple perspectives and a variety of literary devices, support their claims with evidence from more than one source, and make formal written and oral presentations with attention to their audience. The International Baccalaureate MYP framework emphasizes a global and inquiry-based approach toward learning.

ENGLISH 11 (A)
ENGLISH 11 (B)
Course #: 102028, 102029
Grade(s): 11
Duration: Year
Credit/Term: 0.5
Meets Grad Requirements: English Elective
Prerequisite: None
NCAA Status: APPROVED

English 11 students read literature and nonfiction texts, analyze rhetorical strategies authors employ; synthesize multiple sources of information to create cohesion as they write creatively, analytically, and for presentations; adjust language to advance the purpose of their writing. Students explore literature and language through social, cultural, historical and economic perspectives.

ENGLISH 12 (A)
ENGLISH 12 (B)
Course #: 102038, 102039
Grade(s): 12
Duration: 2 Terms
Credit/Term: 0.5
Meets Grad Requirements: English Elective
Prerequisite: None
NCAA Status: APPROVED

In English 12 students synthesize a variety of texts across genres and styles of literature. The course explores literary criticism and challenges students to use reliable academic sources as they prepare for college-level writing. Students attend to how context, language, and voice shape both what they read and what they produce.
# ENGLISH LANGUAGE ARTS

## ENGLISH LANGUAGE AND COMPOSITION AP (11)

<table>
<thead>
<tr>
<th>Course #:</th>
<th>School(s):</th>
<th>Grade(s):</th>
<th>Duration:</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>102032, 102035, 102036, 102037</td>
<td>Huron, Pioneer, Skyline</td>
<td>11</td>
<td>2 Terms</td>
<td>0.5</td>
<td>English Elective</td>
<td>English 10</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

Students engage in a rigorous study of English composition and literature. Students strengthen the effectiveness of their writing through close reading and frequent practice at applying rhetorical strategies, analyzing information from source texts, and writing arguments. Students become critical readers of nonfiction and fiction works from various authors and time periods.

This course has preparation for the Advanced Placement examination for college credit as one of its objectives. However, students electing the course are not obligated to take the examination. Advanced Placement testing occurs in May.

## ENGLISH LITERATURE & COMPOSITION AP (12)

<table>
<thead>
<tr>
<th>Course #:</th>
<th>School(s):</th>
<th>Grade(s):</th>
<th>Duration:</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>102041, 102055, 102056, 102057</td>
<td>Huron, Pioneer, Skyline</td>
<td>12</td>
<td>2 Terms</td>
<td>0.5</td>
<td>English Elective</td>
<td>English 10</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

Students study a blend of advanced composition and literature. Students read literature ranging from classic to modern including American, British, and translated works; practice advanced composition skills, participate in group discussions, listen to lectures; engage in group work; present ideas before the class. Some class assignments are designed to resemble test questions on the Advanced Placement Test. This course is equivalent to a freshman college course but offered in a high school setting.

This course has preparation for the Advanced Placement examination, for college credit, as one of its objectives. However, students electing the course are not obligated to take the examination. Advanced Placement testing occurs in May.

## ENGLISH LEARNING (EL)

All EL courses use the district units of guaranteed curriculum. A difference between an EL course and other English courses is the use of appropriately complex texts: all students are held accountable for the Michigan State Standards for English Language Arts, with appropriate texts for their language proficiency level. The WIDA Can Do Key Uses for Grades 9-12 guide expectations for the work students in EL courses produce. Students read literature and informational texts, write creatively and analytically, and communicate in a variety of modes. Students develop their literacy analysis skills by studying a variety of authors and works, including world literature. Composition skills are developed by applying writing processes to essays of reflection, argumentation, and critical analysis focus on the history of the English language.

## ENGLISH LEARNING (EL) I

<table>
<thead>
<tr>
<th>Course #:</th>
<th>School(s):</th>
<th>Grade(s):</th>
<th>Duration:</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>101010</td>
<td>Huron, Pioneer, Skyline</td>
<td>9, 10, 11, 12</td>
<td>Year</td>
<td>0.5</td>
<td>English 9 or 10</td>
<td>WIDA assessment level 1/2 and Committee Recommendation</td>
<td>BY INDIVIDUAL APPLICATION</td>
</tr>
</tbody>
</table>

The English Learning I (EL I) course uses the district units of guaranteed curriculum for English 9 and 10. A difference between an EL course and other English courses is the use of appropriately complex texts: all students are held accountable for the Michigan State Standards for English Language Arts, with appropriate texts for their language proficiency level. The WIDA Can Do Key Uses for Grades 9-12 (https://www.wida.us/standards/CAN_DOs/) guide expectations for the work students in EL courses produce. Students read literature and informational texts, write creatively and analytically, and communicate in a variety of modes. Students develop their literacy analysis skills by studying a variety of authors and works, including world literature. Composition skills are developed by applying writing processes to essays of reflection, argumentation, and critical analysis focus on the history of the English language.

Placement determined by WIDA assessment level and EL eligibility criteria. (WIDA - World-class Instructional Design and Assessment).
## ENGLISH LEARNING (EL) II

**Course #:** 101020  
**School(s):** Huron, Pioneer, Skyline  
**Grade(s):** 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration:</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year</td>
<td>0.5</td>
<td>English 9 or 10</td>
<td>WIDA assessment level 2/3 and Committee recommendation</td>
<td>BY INDIVIDUAL APPLICATION</td>
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</tbody>
</table>

The English Learning II (EL II) course uses the district units of guaranteed curriculum for English 9 and 10. A difference between an EL course and other English courses is the use of appropriately complex texts: all students are held accountable for the Michigan State Standards for English Language Arts, with appropriate texts for their language proficiency level. The WIDA Can Do Key Uses for Grades 9-12 (https://www.wida.us/standards/CAN_Dos/) guide expectations for the work students in EL courses produce. Students read literature and informational texts, write creatively and analytically, and communicate in a variety of modes. Students develop their literary analysis skills by studying a variety of authors and works, including world literature. Composition skills are developed by applying writing processes to essays of reflection, argumentation, and critical analysis focus on the history of the English language.

Placement determined by WIDA assessment level and EL eligibility criteria. (WIDA - World-class Instructional Design and Assessment).

## ENGLISH LEARNING (EL) III, TRANSITIONAL

**Course #:** 101030  
**School(s):** Huron, Pioneer, Skyline  
**Grade(s):** 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration:</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year</td>
<td>0.5</td>
<td>English 9 or 10</td>
<td>WIDA assessment level 3/4 and Committee recommendation</td>
<td>BY INDIVIDUAL APPLICATION</td>
</tr>
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</table>

The English Learning III, Transitional (EL III) course uses the district units of guaranteed curriculum for English 9, 10 and English electives. A difference between an EL course and other English courses is the use of appropriately complex texts: all students are held accountable for the Michigan State Standards for English Language Arts, with appropriate texts for their language proficiency level. The WIDA Can Do Key Uses for Grades 9-12 (https://www.wida.us/standards/CAN_Dos/) guide expectation for the work students in EL courses produce. Students read literature and informational texts, write creatively and analytically, and communicate in a variety of modes. Students develop their literary analysis skills by studying a variety of authors and works, including world literature. Composition skills are developed by applying writing processes to essays of reflection, argumentation, and critical analysis focus on the history of the English language.

Placement determined by WIDA assessment level and EL eligibility criteria. (WIDA - World-class Instructional Design and Assessment).

## ENGLISH PLUS

**ENGLISH PLUS-ELE**  
**Course #:** 991100, 991134  
**School(s):** Huron, Pathways, Pioneer, Skyline  
**Grade(s):** 9, 10, 11, 12

<table>
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<tr>
<th>Duration:</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
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<tbody>
<tr>
<td>Year</td>
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<td>English 9 or 10 (.5) and General Elective (.5)*</td>
<td>Literacy Assessments and teacher recommendation</td>
<td></td>
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</table>

English Plus is a Tier III course designed specifically for students who enter high school reading significantly below grade level. This course teaches both the core (English 9/10) plus more (Academic Literacy) in a two-hour block. This course is designed to provide research-based instruction in the areas essential to student success: reading, writing, speaking, listening, and self assessment.

English Plus emphasizes four daily activity types: 1) starter activities including goal setting; 2) daily choice/free reading; 3) whole-group mini lessons targeting reading, writing, organization, and study strategies; 4) pathway work scaffolds access to English 9/10 curriculum including on-grade literature and other texts. Classwork rotates between whole group, small group stations, and individual conferences. Students will be considered for graduation from English Plus at the end of each semester/trimester.

Must enroll in both sections.

*At Skyline, English Plus is a one-period course spread over three trimesters. Students receive English 9 or English 10 credit for two terms and General Elective credit for one term.*
**FILM I, LITERATURE AS**

<table>
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<th>Course #</th>
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<tbody>
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<td>Grade(s)</td>
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<tr>
<td><strong>School(s):</strong></td>
<td><em>Community, Huron, Pioneer</em></td>
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<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
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<tbody>
<tr>
<td>1 Term</td>
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<td>English Elective</td>
<td>None**</td>
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</tr>
</tbody>
</table>

Students study the motion picture as a means of self-expression in the same manner that they explore a literary form in a creative writing or literature class. Emphasis is placed on film history including cinematic culture and criticism. Students view representative film classics. Students engage in critical reading, thoughtful discussions, language study, and various forms of writing.

*At Community, this course is offered in grades 10, 11, & 12.

**Students who have taken Film SL/HL Yr1 may not also take this course.

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**FILM II**

<table>
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<tr>
<th>Course #</th>
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<tbody>
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<tr>
<td><strong>School(s):</strong></td>
<td>Huron, Pioneer</td>
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<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td>English Elective</td>
<td>None*</td>
<td></td>
</tr>
</tbody>
</table>

Students study the motion picture as a means of self-expression in the same manner that they explore a literary form in a creative writing class or literature class. Emphasis is placed on specific directors, genres, cinematic culture and criticism. Students view representative film classics as well as popular modern film examples. Students engage in critical reading, thoughtful discussions, language study, and various forms of writing.

*Students who have taken Film SL/HL Yr1 may not also take this course.

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**FILM SL/HL YR 1 IB**

**FILM SL YR 2 IB**

**FILM HL YR 2 IB**

<table>
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<tr>
<th>Course #</th>
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<tr>
<td><strong>School(s):</strong></td>
<td>Huron</td>
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<table>
<thead>
<tr>
<th>Duration</th>
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<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
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<tbody>
<tr>
<td>Year each</td>
<td>.5</td>
<td></td>
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</tbody>
</table>

Film SL/HL Yr1 (Grade 11)

This is the first year of a two-year course. This two-yr course aims to develop both a keen, inquiry-based appreciation and deep understanding of the art of cinema. In year one, international cinema across multiple genres will be examined and thoroughly analyzed through the lens of cultural, historical, technical, and aesthetic perspectives. The emphasis in year two shifts to film production, where students will be expected to apply their knowledge of film concepts, techniques, and influences in a collaborative, inquiry-based creative environment. This course satisfies the Arts requirement for Full IB Diploma students.

Film SL Yr2 and Film HL Yr2 (Grade 12)

This course is the second year of a two-year course. This two-year course aims to develop both a keen, inquiry-based appreciation and deep understanding of the art of cinema. In year one, international cinema across multiple genres will be examined and thoroughly analyzed through the lens of cultural, historical, technical, and aesthetic perspectives. The emphasis in year two shifts to film production, where students will be expected to apply their knowledge of film concepts, techniques, and influences in a collaborative, inquiry-based creative environment. This course satisfies the Arts requirement for Full IB Diploma students.
ENGLISH LANGUAGE ARTS

HUMANITIES AFRICAN-AMERICAN LITERATURE AC
HUMANITIES AFRICAN-AMERICAN HISTORY AC

Course #: 105014, 105018, 105019, 203015

School(s): *Huron, **Pioneer, ***Skyline

Grade(s): 10, 11, 12 (see notes)

Duration: 2 Terms (2 periods/term)

Credit/Term: 1.0 per term

Meets Grad Requirements: English Elective or General Elective

****US History & Geog or English 10

Prerequisite: Must be enrolled in both courses

NCAA Status: APPROVED

Traditional areas in U.S. history and literature are covered from an African-American perspective. An interdisciplinary approach is used incorporating African-American literature, art, music, and culture throughout the curriculum. This course utilizes a variety of materials and class activities including lectures, discussions, use of primary materials and projects. Research and reading outside the text are required both terms. Students are required to do concentrated reading of challenging materials and formal expository writing.

Students must select both courses and are expected to take both terms.

*At Huron, this course is only offered in grade 10.
**At Pioneer, this course is only offered in grades 11 & 12.
***At Skyline, this course is only offered in grade 12.
****US History & Geography credit and English 10 credit for Huron only.

HUMANITIES LITERATURE AC
HUMANITIES SOCIAL STUDIES AC

Course #: 105026, 105027, 105028, 203022

School(s): Huron, Pioneer

Grade(s): 12

Duration: 2 Terms (2 periods/term)

Credit/Term: 1.0 per term

Meets Grad Requirements: English Elective (.5) and Social Studies (.5)

Prerequisite: Must be enrolled in both sections

NCAA Status: APPROVED

This course is designed for high school seniors who wish to study recognized classics of the Western world in an interdisciplinary setting. These works are read against a cultural background of art, music, and intellectual history, and in a chronological sequence. Students read challenging materials and formal expository writing. The course covers major works of art, music, literature, and economic and political philosophers central to Western Civilization. An attempt is made to integrate these disciplines chronologically in order to make the student aware of the impact of one discipline upon the other. The formal lecture is used extensively, together with small group discussions.

Students enrolling are expected to take both terms. There is no prerequisite to enroll in Humanities AC, but it is recommended that students have taken at least one literature course.
**HUMANITIES WORLD LITERATURE AC**

**HUMANITIES WORLD HISTORY AC**

<table>
<thead>
<tr>
<th>School(s):</th>
<th>Skyline</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Course #:</strong></td>
<td>105029 203054</td>
</tr>
<tr>
<td><strong>Grade(s):</strong></td>
<td>12</td>
</tr>
<tr>
<td><strong>Duration:</strong></td>
<td>2 Trimesters (2 periods/ term)</td>
</tr>
<tr>
<td><strong>Credit/Term:</strong></td>
<td>1.0 per term</td>
</tr>
<tr>
<td><strong>Meets Grad Requirements:</strong></td>
<td>General Elective (1.0) or English Elective (1.0)</td>
</tr>
<tr>
<td><strong>Prerequisite:</strong></td>
<td>None</td>
</tr>
<tr>
<td><strong>NCAA Status:</strong></td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

This course is designed for high school seniors who wish to study world cultures in an interdisciplinary setting. Students read challenging primary and secondary materials, participate in debate, and produce creative student-centered assignments. Students analyze literature, architecture, dance, philosophy, anthropology, history, theater, film, art, and music in a thematic sequence. The literature section uses the reading workshop and writing laboratory models as students engage in the rigorous exploration of world cultures. As a reading workshop, this course teaches students to do close analytical readings of challenging primary and secondary texts. Students work through these texts in an effort to make social, historical, ideological, and discursive connections among various cultures and time periods. Students should expect to thoroughly analyze a number of visual and printed mediums including critical essays, visual art, novels, poems, music, films, advertisements, plays, and television shows. Students will use a variety of analytical techniques such as dialogic journaling, annotated readings, and guided notes to delve into texts. As a writing laboratory, a great deal of attention is given to the writing process. Critical theory, focused readings, substantive research, visual media, and rich discussions provide the basis for student writing. Students are expected to write formally and informally both inside and outside of the classroom.

Students must select both courses and are expected to take both trimesters.

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**JOURNALISM, ADVANCED**

<table>
<thead>
<tr>
<th>School(s):</th>
<th>Community</th>
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<tbody>
<tr>
<td><strong>Course #:</strong></td>
<td>103035</td>
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<tr>
<td><strong>Grade(s):</strong></td>
<td>9, 10, 11, 12</td>
</tr>
<tr>
<td><strong>Duration:</strong></td>
<td>Year</td>
</tr>
<tr>
<td><strong>Credit/Term:</strong></td>
<td>0.5</td>
</tr>
<tr>
<td><strong>Meets Grad Requirements:</strong></td>
<td>English Elective</td>
</tr>
<tr>
<td><strong>Prerequisite:</strong></td>
<td>None</td>
</tr>
<tr>
<td><strong>NCAA Status:</strong></td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

Advanced Journalism functions as a small, professional newspaper. The paper is distributed to the students, faculty and community. Students study writing and design from professional journalists and publications. Students practice journalism as an open forum for student expression. Students may repeat this course. Students play important leadership roles which include: editor-in-chief, head copy editor, design editors, news editor, feature editor, sports editor, op/ed editor and business manager. Leadership roles change and develop to fit the needs of students and the class.

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**JOURNALISM, WRITING**

<table>
<thead>
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<th>School(s):</th>
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</tr>
</thead>
<tbody>
<tr>
<td><strong>Course #:</strong></td>
<td>103041</td>
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<tr>
<td><strong>Grade(s):</strong></td>
<td>9, 10, 11, 12</td>
</tr>
<tr>
<td><strong>Duration:</strong></td>
<td>1 Semester, 1 Trimester</td>
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<tr>
<td><strong>Credit/Term:</strong></td>
<td>0.5</td>
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<tr>
<td><strong>Meets Grad Requirements:</strong></td>
<td>English Elective</td>
</tr>
<tr>
<td><strong>Prerequisite:</strong></td>
<td>None</td>
</tr>
<tr>
<td><strong>NCAA Status:</strong></td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

This course has an emphasis on learning the principles of journalistic news and feature writing. Students study journalism in the same manner that they explore a literary form in a creative writing or literature class. Articles are submitted to the school newspaper for possible publication. Students also study the newspaper, the publication process, media law, and the role of the press in a democracy.

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**LITERATURE AND CULTURE, CHINESE**

<table>
<thead>
<tr>
<th>School(s):</th>
<th>Community</th>
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</thead>
<tbody>
<tr>
<td><strong>Course #:</strong></td>
<td>105022</td>
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<tr>
<td><strong>Grade(s):</strong></td>
<td>9, 10, 11, 12</td>
</tr>
<tr>
<td><strong>Duration:</strong></td>
<td>1 Term</td>
</tr>
<tr>
<td><strong>Credit/Term:</strong></td>
<td>0.5</td>
</tr>
<tr>
<td><strong>Meets Grad Requirements:</strong></td>
<td>English Elective</td>
</tr>
<tr>
<td><strong>Prerequisite:</strong></td>
<td>One Literature Course</td>
</tr>
<tr>
<td><strong>NCAA Status:</strong></td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

Chinese Literature & Culture is a course designed to introduce students to a literary tradition different from their own. Students will study some of the philosophical underpinnings of China and then concentrate on translations of very early Chinese short stories, modern novels and poetry. Papers will include analytical, creative, and one research paper. The course will also include historical background, films, guest speakers and local field trips.
# ENGLISH LANGUAGE ARTS

## LITERATURE HL YR1 IB
### School(s): Huron

Course #: IB109100, IB109102

<table>
<thead>
<tr>
<th>Grade(s)</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>11, 12</td>
<td>English 10</td>
<td>APPROVED</td>
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</table>

<table>
<thead>
<tr>
<th>Duration:</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
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</thead>
<tbody>
<tr>
<td>1 Year each</td>
<td>.5</td>
<td>English Elective</td>
</tr>
</tbody>
</table>

**Literature HL Yr1 (Grade 11)**

Literature HL Yr1 (IB) is the first year of a two-year course that teaches students to develop their analytical skills as it relates to reading, interpreting, presenting on, and writing about literature. The course will cover all CCSS for the English Language Arts. The course is intended for 11th grade students who are either enrolled in the Diploma Programme (DP) or are seeking a course-specific certificate in DP. The content of the course includes literature in a broad range of genres, including poetry, drama, fiction, and non-fiction prose from around the world. The performance expectations of the course will focus on reading, speaking and listening, and writing practices such as rhetorical analysis, literary analysis or close reading, historical and cultural research, oral interpretation of literature, small group discussions, and oral presentations. This course satisfies the Language and Literature requirement for Full IB Diploma students.

## LITERATURE HL YR2 IB
### School(s): Huron

Course #: IB109100, IB109102

<table>
<thead>
<tr>
<th>Grade(s)</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>11, 12</td>
<td>English 10</td>
<td>APPROVED</td>
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<table>
<thead>
<tr>
<th>Duration:</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
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</thead>
<tbody>
<tr>
<td>1 Year each</td>
<td>.5</td>
<td>English Elective</td>
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</tbody>
</table>

**Literature HL Yr2 (Grade 12)**

Literature HL Yr2 (IB) is the second year of a two-year course that teaches students to develop their analytical skills as it relates to reading, interpreting, presenting on, and writing about literature. The course will cover all CCSS for the English Language Arts. The course is intended for 12th grade students who are either enrolled in the Diploma Programme (DP) or are seeking a course-specific certificate in DP. The content of the course includes literature in a broad range of genres, including poetry, drama, fiction, and non-fiction prose from around the world. The performance expectations of the course will focus on reading, speaking and listening, and writing practices such as rhetorical analysis, literary analysis or close reading, historical and cultural research, oral interpretation of literature, small group discussions, and oral presentations.

## LITERATURE, AFRICAN-AMERICAN
### School(s): Huron, Pathways, Pioneer

Course #: 105013

<table>
<thead>
<tr>
<th>Grade(s)</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>11, 12</td>
<td>None</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Duration:</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Terms</td>
<td>0.5</td>
<td>English Elective</td>
</tr>
</tbody>
</table>

This course is designed for students who have an interest in African-American literature. Students will engage in critical reading, thoughtful discussion, and formal and personal forms of writing related to the readings. The emphasis is on a deeper understanding of novels, autobiographies, plays, short stories, and poetry by well known African-American writers.

## LITERATURE, AMERICAN
### School(s): *Community, Huron, Pathways, Pioneer

Course #: 105011

<table>
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<tr>
<th>Grade(s)</th>
<th>Prerequisite:</th>
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</thead>
<tbody>
<tr>
<td>11, 12</td>
<td>Not open to students who have completed AP English Language &amp; Composition</td>
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<table>
<thead>
<tr>
<th>Duration:</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Terms</td>
<td>0.5</td>
<td>English Elective</td>
</tr>
</tbody>
</table>

Students become acquainted with some major American novels, short stories, drama and poetry. Emphasis is placed on both critical reading and the study of characteristics of various literary types. The course requires outside readings based on course themes and various forms of writing.

*At Community, this course is offered in grades 10, 11, 12.*

Course offerings are subject to sufficient enrollment; course offerings and descriptions are subject to change.

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### LITERATURE, AMERICAN CANON

**School(s):** Community  
**Course #:** 105006  
**Grade(s):** 9, 10, 11, 12  

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year</td>
<td>.5</td>
<td>English Elective</td>
<td>Introduction to Literature</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

American Canon is a two term course. During the first term, readings are somewhat chronologically organized. This helps provide a historical context for the works; with luck, readings will parallel some of your American history assignments. We start with selections from Native American literature (old and new) and touch briefly on colonial and Puritan roots before we read Hawthorne, Poe, Miller (because of The Crucible’s time period, not Miller’s place in history), Emerson, Thoreau, Whitman and Dickinson. Then, we read The Adventures of Huckleberry Finn by Mark Twain and start 20th Century African-American authors Morrison, Ellison and Brown. Second term’s focus is on themes that mark our diverse literary heritage. Both terms are packed with great reading as well as many essay assignments, mostly analytical.

### LITERATURE, BRITISH

**School(s):** Huron  
**Course #:** 105021  
**Grade(s):** 11, 12  

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Terms</td>
<td>0.5</td>
<td>English Elective</td>
<td>Not open to students who have completed English Language &amp; Composition AP</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

In this course students read novels, poetry and drama by British writers, ranging from 11th Century to 20th Century. Emphasis is on critical reading as well as the study of various literary types. The course requires outside readings based course themes and various forms of writing.

### LITERATURE, CONTEMPORARY WORLD

**School(s):** *Community, Pioneer, Skyline  
**Course #:** 105024  
**Grade(s):** 12  

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year</td>
<td>0.5</td>
<td>English Elective</td>
<td>None</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

Students explore perspectives from various parts of the world and their influence on life in America. Emphasis will be placed on readings that give students an expanded world-view and understandings of their connection to past and present global perspectives. Contemporary novels are supplemented with memoirs, speeches, poetry, essays, news articles, video and online content. Students should expect to write traditional essays as well as informal responses to ideas and themes. Students engage in critical reading, thoughtful discussions, language study, and various forms of writing.

*At Community, this course is offered in grades 10, 11, 12.

### LITERATURE, FANTASY

**School(s):** Community  
**Course #:** 105031  
**Grade(s):** 9, 10, 11, 12  

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td>English Elective</td>
<td>Introduction to Literature</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

Students will read fantasy novels and short stories. Students engage in critical reading, thoughtful discussions, language study, and various forms of writing.
ENGLISH LANGUAGE ARTS

LITERATURE, GRAPHIC NOVELS
School(s): Community, Pathways, Skyline
Course #: 105039
Grade(s): 9, 10, 11, 12
Duration: 1 Term
Credit/Term: 0.5
Meets Grad Requirements: General Elective
Prerequisite: None
NCAA Status: Approved

Graphic novels are gaining acceptance for the legitimate, often insightful portrayals of modern issues. Because of the rich contribution graphic novels have made to literature, students will study the birth and growth of the graphic novel and explore various graphic novels from a variety of world cultures, including comparison of eastern versus western modes and meaning in graphic novel storytelling.

LITERATURE, HARLEM RENAISSANCE AND BEYOND
School(s): Community
Course #: 105010
Grade(s): 9, 10, 11, 12
Duration: 1 Term
Credit/Term: 0.5
Meets Grad Requirements: English Elective
Prerequisite: Introduction to Literature
NCAA Status: Approved

In this course, students begin studying literature of the Harlem Renaissance and progress to more contemporary African American literature. Students study a myriad of genres including novels, autobiographies, plays, essays, short stories and poetry. Students engage in critical reading, thoughtful discussions, language study, and various forms of writing.

LITERATURE, HISTORICAL FICTION
School(s): Community
Course #: 105040
Grade(s): 9, 10, 11, 12
Duration: 1 Term
Credit/Term: 0.5
Meets Grad Requirements: English Elective
Prerequisite: Introduction to Literature
NCAA Status: Approved

In this course, we study novels that are set during important times in history. Possible novels are Tale of Two Cities by Charles Dickens (French Revolution), Kite Runner by Khaled Hosseini (Afghanistan), Cold Mountain by Charles Frazier (Civil War) Atonement by Ian McEwan (WWII), Ragtime by E.L. Doctorow (first two decades of the 1900s), Possession by A.S. Byatt, (Victorian England), Birdsong by Sebastian Faulks (WWI), The Things They Carried by Tim O’Brien (Vietnam War) and so many more! Students engage in critical reading, thoughtful discussions, language study, and various forms of writing.

LITERATURE, HYPHENATED AMERICAN
School(s): Community
Course #: 105008
Grade(s): 9, 10, 11, 12
Duration: Year
Credit/Term: 0.5
Meets Grad Requirements: English Elective
Prerequisite: Introduction to Literature
NCAA Status: Approved

These American Lives focuses on authors from outside the American mainstream. These writers come to American literature from distinct places, angles and backgrounds; their stories reflect a common struggle to be a part of modern American culture while staying rooted to other traditions. It is this chorus of cultural hybrids that has defined American Literature and culture itself for at least a century. Students will study texts, write essays and engage in class discussion.

LITERATURE, INTRODUCTION TO
School(s): Community, Pathways
Course #: 105001
Grade(s): 9*, 10, 11, 12
Duration: 1 Term
Credit/Term: 0.5
Meets Grad Requirements: English Elective
Prerequisite: None
NCAA Status: Approved

Introduction to Literature introduces students to the critical study of a variety of texts: novels, short stories, plays, poems, and essays. Students read literature and nonfiction texts; analyze texts through close reading and application of critical perspectives; write creatively and analytically; develop speaking and listening skills; and study how language functions in different contexts.

* Required for all 9th grade students.

Course offerings are subject to sufficient enrollment; course offerings and descriptions are subject to change.

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ENGLISH LANGUAGE ARTS

LITERATURE, LANGUAGE AND HL YR1 IB
LITERATURE, LANGUAGE AND HL YR2 IB

School(s): Huron
Course #: IB10920, IB109202
Grade(s): 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year each</td>
<td>.5</td>
<td>English Elective</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Language and Literature HL Yr1 (Grade 11)
Language and Literature HL Yr1 (IB) aims to develop skills of textual analysis and the understanding that texts, both literary and non-literary, can relate to culturally determined reading practices. The course also encourages students to question the meaning generated by language and texts. An understanding of the ways in which formal elements are used to create meaning in a text is combined with an exploration of how that meaning is affected by reading practices that are culturally defined and by the circumstances of production and reception. The study of literature in translation from other cultures is especially important to IB DP students because it contributes to a global perspective. Texts are chosen from a variety of sources, genres and media. This course satisfies the Language and Literature requirement for Full IB Diploma students.

Language and Literature HL Yr2 (Grade 12)
The Language and Literature HL Yr2 (IB) course is the second year of a two-year course. The IB Language and Literature course aims to develop skills of textual analysis and the understanding that texts, both literary and non-literary, can relate to culturally determined reading practices. The course also encourages students to question the meaning generated by language and texts. An understanding of the ways in which formal elements are used to create meaning in a text is combined with an exploration of how that meaning is affected by reading practices that are culturally defined and by the circumstances of production and reception. The study of literature in translation from other cultures is especially important to IB DP students because it contributes to a global perspective. Texts are chosen from a variety of sources, genres and media. This course satisfies the Language and Literature requirement for Full IB Diploma students.

LITERATURE, MODERN DRAMA

School(s): Community, Pioneer
Course #: 105032
Grade(s): 9, 10, 11, 12

<table>
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<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
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<td>0.5</td>
<td>English Elective</td>
<td>Introduction to Literature</td>
<td>APPROVED</td>
</tr>
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</table>

This course looks at selected dramatic works from Ibsen to the present. We practice close readings of the works, study the playwrights and their times, and attend performances when the opportunity arises. Students compose essays of various types based on the plays read. Students study language and develop a working knowledge of the terminology of dramatic literature.

LITERATURE, MODERN READINGS

Course #: 104031
Grade(s): 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Terms</td>
<td>0.5</td>
<td>English Elective</td>
<td>Introduction to Literature (Community)</td>
<td>APPROVED</td>
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</table>

Students study readings of modern work representing various types of writing that reflect contemporary themes and problems. Students engage in critical reading, thoughtful discussions, language study, and various forms of writing.

LITERATURE, PHILOSOPHICAL ISSUES IN

Course #: 105042
Grade(s): 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td>English Elective</td>
<td>Introduction to Literature</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

This course explores various philosophical issues that are raised and treated by writers in their poems, short stories, novels, plays and treatises. It is helpful if the student has either taken an introduction to philosophy course, has read philosophy on his/her own, has read great literary works that deal with the big questions, or simply has a desire to discuss the eternal questions. We will read selections from authors such as Dostoyevski, Plato, Huxley, Conrad, Voltaire, Kafka, Camus, Hesse, Stevenson, Golding, Norris, Crane, etc.
### LITERATURE, SCIENCE FICTION

**Course #:** 105034  
**School(s):** Community  
**Grade(s):** 9, 10, 11, 12  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** English Elective  
**Prerequisite:** Introduction to Literature  
**NCAA Status:** APPROVED

Students read science fiction novels and short stories for discussion and analysis. Students engage in critical reading, thoughtful discussions, language study, and various forms of writing.

### LITERATURE, SHAKESPEARE

**Course #:** 105035  
**School(s):** Community  
**Grade(s):** 9, 10, 11, 12  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** English Elective  
**Prerequisite:** Introduction to Literature  
**NCAA Status:** APPROVED

Students will read a collection of Shakespeare plays. Class format will include performance and interpretation of the plays, dramatic activities, lecture, and written responses to the texts. Students engage in critical reading, thoughtful discussions, language study, and various forms of writing.

### LITERATURE, SHORT READINGS

**Course #:** 104041  
**School(s):** Community  
**Grade(s):** 9, 10, 11, 12  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** English Elective  
**Prerequisite:** None  
**NCAA Status:** APPROVED

Students focus on the regular careful reading of various genres of relatively short modern works. The readings include short stories, plays, fiction, and nonfiction. Students engage in critical reading, thoughtful discussions, language study, and various forms of writing.

### LITERATURE, TWENTIETH CENTURY

**Course #:** 105036  
**School(s):** Community, Huron, *Skyline  
**Grade(s):** 11, 12  
**Duration:** 2 Terms  
**1 Term:** 0.5  
**Meets Grad Requirements:** English Elective  
**Prerequisite:** Introduction to Literature (Community)  
**NCAA Status:** APPROVED

This course is designed for students interested in modern literature. They will study modern classics, popular fiction, science fiction, personal narrative and contemporary poetry. Students write formal papers related to issues raised in the readings and class discussion. Students engage in critical reading, thoughtful discussions, language study, and various forms of writing.

*At Skyline, this course is offered for one term only.

### LITERATURE, WOMEN'S I

**Course #:** 105037  
**School(s):** Community, Huron, Pioneer, *Skyline  
**Grade(s):** 9, 10, 11, 12  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** English Elective  
**Prerequisite:** Introduction to Literature (Community)  
**NCAA Status:** APPROVED

Women’s Literature is designed to provoke students’ thinking about the role that gender plays in literature and life. The course looks at literature that spans place and time. Through reading we can vicariously have experiences that can broaden our own perspective and understanding of the world. Our course texts range from classic novels to contemporary poetry. Students will write creatively and analytically about the texts and the issues they present. This course offers students a community in which they can broaden their understanding of the past, present and future through literature.
## LITERATURE, WORLD

**Course #:** 105023  
**School(s):** Community  
**Grade(s):** 9, 10, 11, 12  
**Duration:** Year  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** English Elective  
**Prerequisite:** Introduction to Literature  
**NCAA Status:** APPROVED  

This course is a yearlong survey of classic world literature. Units include Literature from Britain, Russia, Spain and South American, Ancient Greece and Rome, Africa, and the ancient Middle East. Students engage in critical reading, thoughtful discussions, language study, and various forms of writing.

## LITERATURE, WORLD MYTHOLOGY

**Course #:** 105025  
**School(s):** Community  
**Grade(s):** 9, 10, 11, 12  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** English Elective  
**Prerequisite:** None  
**NCAA Status:** APPROVED  

This course will explore the nature, purposes and focus of myth. Themes explored include creation, heroic journeys and modern allusions. Texts/films include the Odyssey, Ramayana, Gilgamesh and the Star Wars Trilogy. Students keep journals, create group presentations, and write essays. Students engage in critical reading, thoughtful discussions, language study, and various forms of writing.

## MEDIA LITERACY

**Course #:** 106051  
**School(s):** Community  
**Grade(s):** 9, 10, 11, 12  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** English Elective  
**Prerequisite:** None  
**NCAA Status:** APPROVED  

Introduction to Media Literacy exposes students to techniques of mass media: TV, film, newspapers, magazines, and radio. Students critically analyze mass media, its messages, and its role in society. Students, in small groups, also produce their own media. Students work with video and computer media to create presentations that tell a story, provide information in an unbiased manner, or express a viewpoint. They learn the techniques of video production including: using a video camera, selecting camera angles, working with lighting, story boarding, scriptwriting, conducting on-camera interviews, and editing video and audio tracks to create a polished presentation. Students also view and analyze commercial productions as well as student work. Students are expected to exhibit professional ethics, manage their resources, and meet deadlines. Students may be required to film school-related activities.

## RADICAL YOUTH LITERACIES

**Course #:** 103071  
**School(s):** Skyline  
**Grade(s):** 10, 11, 12  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** English Elective  
**Prerequisite:** Writing Center A, B or C  
**NCAA Status:** APPROVED  

This course engages admitted writing center tutors and other interested students in learning about and building democratic, inclusive, and socially just schools, classrooms, and community literacy spaces that are youth-driven and youth-centered. Students will explore their own histories and stories with literacy and writing, examine systems and structures that shape literacy and writing, and work with local partners to build meaningful projects to address literacy equity in Washtenaw County while building their own equitable, just, and restorative learning community in the classroom. Students will have shared ownership of important classroom policies and decisions.

## SPEECH AND COMMUNICATION

**Course #:** 106032  
**School(s):** Community, Huron, Pathways, Pioneer, Skyline  
**Grade(s):** 9, 10, 11, 12  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** English Elective  
**Prerequisite:** None  
**NCAA Status:** APPROVED  

Students study the communication process. They focus on the fundamentals of oral language and develop a communication literacy. Students participate in a variety of speech activities, such as interviews. Students prepare speeches by selecting and researching topics, organizing ideas and information, and presenting speeches for specific audiences. Students evaluate content and delivery of speeches. Students engage in critical reading, thoughtful discussions, language study, and various forms of writing.

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Course offerings are subject to sufficient enrollment; course offerings and descriptions are subject to change.

Ann Arbor Public Schools  
2020-2021 High School Course Guide
**THEATER I**  
**Course #: 731011**  
**School(s): Skyline**  
**Grade(s): 9, 10, 11, 12**  

<table>
<thead>
<tr>
<th>Duration: 1 Term</th>
<th>Credit/Term: 0.5</th>
<th>Meets Grad Requirements: VPAA or English Elective</th>
<th>Prerequisite: None</th>
<th>NCAA Status</th>
</tr>
</thead>
</table>

The purpose of this course is to introduce the student to the power of the theater to reflect the world. The first part of the course will concentrate on the listening and communication skills necessary to develop the actor within and create a safe environment in which each student can explore freely. Some of the activities students will participate in will include improvisation; pantomime; monologue and scene performance; basic set, lighting, and text analysis and the role theater plays in our society. Students engage in critical reading, thoughtful discussions, language study, and various forms of writing.

**THEATER II**  
**Course #: 731012**  
**School(s): Skyline**  
**Grade(s): 9, 10, 11, 12**  

<table>
<thead>
<tr>
<th>Duration: 1 Term</th>
<th>Credit/Term: 0.5</th>
<th>Meets Grad Requirements: VPAA or English Elective</th>
<th>Prerequisite: Theatre I</th>
<th>NCAA Status</th>
</tr>
</thead>
</table>

Theater II is designed as an intermediate level study of theater arts. It uses individual and group assignments as well as ensemble productions to provide students hands-on experience in the world of theatre. Students will learn intermediate acting, technical theater concepts, theater vocabulary as well as theater history.

**THEATER III**  
**Course #: 731012**  
**School(s): Skyline**  
**Grade(s): 10, 11, 12**  

<table>
<thead>
<tr>
<th>Duration: 1 Term</th>
<th>Credit/Term: 0.5</th>
<th>Meets Grad Requirements: VPAA or English Elective</th>
<th>Prerequisite: Theatre II</th>
<th>NCAA Status</th>
</tr>
</thead>
</table>

This course is designed for students with significant experience in theatre and promotes depth of engagement and lifelong appreciation for theatre through a broad spectrum of teacher-assigned and self-directed study and performance. Students regularly reflect on aesthetics and issues related to and addressed through theatre and create various aspects of theatre.

**THEATER PRODUCTION**  
**Course #: 106013**  
**School(s): Community**  
**Grade(s): 9, 10, 11, 12**  

<table>
<thead>
<tr>
<th>Duration: 1 Term</th>
<th>Credit/Term: 0.5</th>
<th>Meets Grad Requirements: VPAA or English Elective</th>
<th>Prerequisite: None</th>
<th>NCAA Status</th>
</tr>
</thead>
</table>

This course is for students who are interested in how a play goes from paper to live performance. The class will consist of hands-on technical aspects of theatre and class work centered on plan analysis. Each student will also choose a play to “produce” on paper.

**TV AND RADIO PRODUCTION I**  
**Course #: 106041**  
**School(s): Huron, Pioneer**  
**Grade(s): 9, 10, 11, 12**  

<table>
<thead>
<tr>
<th>Duration: 1 Term</th>
<th>Credit/Term: 0.5</th>
<th>Meets Grad Requirements: English Elective</th>
<th>Prerequisite: None</th>
<th>NCAA Status</th>
</tr>
</thead>
</table>

Students learn about radio and television by writing, directing, reading, acting, and crewing radio and television productions. They learn to understand these media regarding their role, scope, practices, and techniques as providers of news, information, education, entertainment, and sports. Moreover, students develop visual literacy, i.e., they learn criteria by which they can evaluate what they hear and view regarding its value relative to its purpose.

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Course offerings are subject to sufficient enrollment; course offerings and descriptions are subject to change.  
Ann Arbor Public Schools  
2020-2021 High School Course Guide
### TV AND RADIO PRODUCTION II

**School(s):** Huron, Pioneer

**Course #:** 106042

**Grade(s):** 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td>English Elective</td>
<td>TV &amp; Radio Production I</td>
<td></td>
</tr>
</tbody>
</table>

Students write, direct, edit, and produce radio and television shows for school and community use. Cable TV and local radio stations serve as outlets for student produced material. Critical analysis of TV and radio are incorporated into the production process. After school production work is expected for this class (5 hour minimum per week).

### WRITER'S WAY, THE

**School(s):** Community

**Course #:** 103012

**Grade(s):** 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td>English Elective</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

The Writer’s Way is a course designed for students who are dedicated to developing or honing their writing. Class activities include: quick writes (writing prompts), writing time, mini-lessons, reading/writing notebooks, portfolios and class readings. Professional authors visit the class and share their writing experiences with us. Past writers have included: songwriters, journalists, medical writers, short story writers, novelists, essayists, and poets. Serious time will be dedicated to writing and students should prepare to push themselves to find their writer’s voice inside and outside of class.

### WRITING CENTER

**School(s):** Community, Huron, Pioneer, Skyline

**Course #:** 103013, 103015, 103016, 103017

**Grade(s):** 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td>English Elective</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

Students enrolled in Writing Center participate in weekly seminars to assist them in becoming pedagogically informed and well-practiced peer tutors. In seminars, students are expected to: read important theoretical works about writing centers, peer tutoring, teaching writing, respond to these readings in formal and informal ways, observe the work of others, and reflect on their own practice using student and teacher feedback data. During their enrollment in the course, tutors work every day in the writing center, in classrooms, and/or in the online writing lab to assist their classmates in becoming better writers in classes across the curriculum. Tutors are expected to be able to assist students at any skill level with any writing assignment in individual, small group, and whole group settings. Tutors maintain a reflexive portfolio that charts and measures their growth as a writing tutor throughout the term.

### WRITING FOR PUBLICATION - NEWSPAPER

**School(s):** Huron, Pioneer

**Course #:** 103043

**Grade(s):** 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year</td>
<td>0.5</td>
<td>English Elective</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

Students study the newspaper and participate in the publication process. They learn the skills of publishing, including copy reading, headline writing, layout and photography. Students engage in critical reading, thoughtful discussions, language study, and various forms of writing. Requirements include writing assignments for the publication.
### WRITING FOR PUBLICATION - YEARBOOK

**Course #:** 103044, 103060, 103061, 103062  
**School(s):** Huron, Pioneer, Skyline  
**Grade(s):** 9, 10, 11, 12  

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year</td>
<td>0.5</td>
<td>English Elective (up to 1.0) or General Elective</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

Students participate in the production of the yearbook from theme selection through printing and distribution of the finished product. Throughout the year, students are involved in photography, sales and advertising, page layout, photo scanning, interviewing and writing. All students will learn how to write headlines, captions, and use expository writing to create articles. They will be expected to use these writing skills to contribute to the yearbook. They will also edit and peer edit. All students will learn how to use InDesign desktop publishing software. Students engage in critical reading, thoughtful discussions, language study, and various forms of writing. Students are expected to put in additional hours outside of class in order to meet deadlines.

### WRITING WORKSHOP

**Course #:** 103054  
**School(s):** Community  
**Grade(s):** 9, 10, 11, 12  

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td>English Elective</td>
<td>Introduction to Literature</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

Writing Workshop revolves around four principles: time, choice, response and community. Students engage in critical reading, thoughtful discussions, language study, and various forms of writing. Writing Workshop strives to create a writing community where students enjoy time to write, choice in topics and genres, response from peers and the teacher, and a community where students can share their writing joys and frustrations. Students will be exposed to various genres of writing through lessons, student examples and professional models. The goal of this course is to help students define themselves as writers.

### WRITING, ART OF

**Course #:** 103021  
**School(s):** Community  
**Grade(s):** 9, 10, 11, 12  

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td>English Elective</td>
<td>Introduction to Literature</td>
<td></td>
</tr>
</tbody>
</table>

Students will write in class every day. Opportunities will be given for reading one’s work to the class, as well as to peer edit. Assigned writings include a personal essay, short stories, poetry, and persuasive essays. Students engage in critical reading, thoughtful discussions, language study, and various forms of writing.

### WRITING, CREATIVE POETRY & PROSE I

**Course #:** 103031  
**School(s):** Community, Huron, *Pioneer, *Skyline  
**Grade(s):** 9, 10, 11, 12  

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td>English Elective</td>
<td>None</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

This course is designed for students who have a strong interest in writing both poetry and prose. Critiquing, revising, and learning what professionals say about writing are important elements of the class. Students engage in critical reading, thoughtful discussions, language study, and various forms of writing. Students may be required to keep a writer’s journal.

*At Pioneer and Skyline, this course is only open to 11th and 12th graders.
### WRITING, CREATIVE POETRY & PROSE II

**School(s):** Community, Huron, *Pioneer, *Skyline  
**Course #:** 103032  
**Grade(s):** 9, 10, 11, 12  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** English Elective  
**Prerequisite:** Writing, Creative Poetry & Prose I  
**NCAA Status:** APPROVED

Students write every day, study various types of poetry and prose, revise and critique their own work and the works of others, and keep a writer's journal. Students engage in critical reading, thoughtful discussions, language study, and various forms of writing.

*At Pioneer and Skyline, this course is only open to 11th and 12th graders.

### WRITING, SCREEN

**School(s):** Community, Pioneer  
**Course #:** 103052  
**Grade(s):** 9, 10, 11, 12  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** English Elective  
**Prerequisite:** None  
**NCAA Status:**

Screenwriting will focus on the techniques of writing for both the screen and the stage. Students will read critically acclaimed film scripts and stage plays to analyze the structure of storytelling in these mediums. Their own work will be developed, read aloud, and performed for the class. Performances will be filmed and then viewed by the class for constructive criticism.

### WRITING, SHORT STORY: FREE VERSE

**School(s):** Community  
**Course #:** 103046  
**Grade(s):** 9, 10, 11, 12  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** English Elective  
**Prerequisite:** Introduction to Literature  
**NCAA Status:** APPROVED

Short Story Writing: Free Verse is a one term elective that appeals to serious and aspiring writers. This course works exclusively on short stories and includes all the elements of shorts stories students have studied in literature courses: setting, plot, characterization, conflict, climax, resolution, etc. Students will write to in-class prompts to provide lots of practice, and they will write approximately six stories, with rewrites when appropriate. Students will be expected to write for an audience and share their pieces from time to time with the class as well as comment on others' work. Students will often be assigned to read short stories by published authors - for class discussion and for models. The class also juries submissions for Free Verse, the school's literary magazine. They will work on all aspects of production: editing, proofreading, layout, etc.
## HEALTH AND WELLNESS

<table>
<thead>
<tr>
<th>Course #</th>
<th>851011</th>
<th>Grade(s):</th>
<th>10, 11, 12</th>
</tr>
</thead>
<tbody>
<tr>
<td>School(s)</td>
<td>All High Schools</td>
<td>Duration:</td>
<td>1 Term</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Credit/Term</td>
<td>0.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Meets Grad Requirements</td>
<td>Health &amp; Wellness</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Prerequisite:</td>
<td>None</td>
</tr>
<tr>
<td>NCAA Status</td>
<td></td>
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</tbody>
</table>

This is a required course intended for 10th - 12th graders. This class is specifically aimed at teaching or reinforcing skills in how to live - at providing students with the physical, mental, emotional, social and spiritual, and environmental platform from which they can reach their potential. Units include: The Concept of Wellness, Exercise and Nutrition, Mental Health, Stress and Disorders, Human Sexuality and Alcohol and Other drugs. Familiar topics with a mature twist, these units meet students where they are at even as they prepare students to move toward independent, fulfilling and healthy futures. This course also includes a blended online curriculum through the American Red Cross, which covers CPR, AED and First Aid training.

At Community and Skyline, this course may be repeated for additional credit.

### HEALTH & WELLNESS WAIVER INFORMATION:
Consistent with the guidelines from the State Board of Education Public Act 226 (1977), parents have the right to excuse their child, without penalty, from participating in the reproductive health portion of the Health & Wellness course. Parents who wish to exercise this option must submit a written request to the appropriate administrator. The student will be given an alternative, individual assignment during this section of the course.

## HEALTH AND WELLNESS IB

<table>
<thead>
<tr>
<th>Course #</th>
<th>IB851011</th>
<th>Grade(s):</th>
<th>9, 10</th>
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<tbody>
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<td>School(s)</td>
<td>Huron</td>
<td>Duration:</td>
<td>Semester</td>
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<td></td>
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<td>Credit/Term</td>
<td>0.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Meets Grad Requirements</td>
<td>Health &amp; Wellness</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Prerequisite:</td>
<td>None</td>
</tr>
<tr>
<td>NCAA Status</td>
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Each individual must be responsible for his/her own lifestyle decisions now and in the future. Health and Wellness (IB) will emphasize wellness and prevention. This course is designed to help students make more educated and responsible choices now and throughout their lives. The goal of Health and Wellness (IB) is to bring awareness to young adults that the choices they make now can have effects on their short-term and/or long-term well-being.

### HEALTH & WELLNESS WAIVER INFORMATION:
Consistent with the guidelines from the State Board of Education Public Act 226 (1977), parents have the right to excuse their child, without penalty, from participating in the reproductive health portion of the Health & Wellness course. Parents who wish to exercise this option must submit a written request to the appropriate administrator. The student will be given an alternative, individual assignment during this section of the course.
ADVANCED HEALTH/PUBLIC HEALTH POLICY

Course #: 851013

Duration: 1 Term
Credit/Term: 0.5
Meets Grad Requirements: General Elective
Prerequisite: Health and Wellness
NCAA Status

Grade(s): 11, 12

School(s): Community, Skyline

This is an advanced health class for juniors and seniors who are interested in Health/Wellness and Public Health. The curriculum is based on guest speakers from the University of Michigan's School of Public Health, School of Medicine, School of Kinesiology, Depression Center and Health Services, along with many local social service and public health agencies.

In addition to regular classes, students will attend at least two off-site conferences/presentations each quarter. In addition to reaction papers for each guest speaker, students will prepare 1/2 hour presentations on a Public Health problem to be solved based on research gathered throughout the term and in conjunction wit above guest speakers and organizations.

Goals and Objectives:
To provide an introduction to the field of Public Health.
To dig deep into topics like Mental Health/Disorders, Sexual Health, Applied Physiology, Addiction/Abuse, and other timely public and personal health problems, with an eye toward prevention of negative outcomes.
To provide students opportunities to explore and interact with community services.
To enable students to identify and apply problem-solving skills in their own lives.
To enhance health-enhancing ambassadorial skills in student cohort.
IB at Huron in 9th and 10th Grade:

All 9th and 10th graders at Huron study six of the MYP subjects all year, each year as part of the seven-period day.

The six MYP subjects are:
1. Language and Literature (English Language Arts)
2. Language Acquisition (World Language)
3. Individuals and Societies (Social Studies)
4. Sciences
5. Mathematics
6. and ONE of the following subjects
   - Physical Education/Health (Personal Fitness, Health and Wellness, etc.)
   - Visual or Performing Arts (Visual Arts, Band, Choir, Orchestra, etc.)
   - Design (Project Lead the Way, Business, Automotive Technology, Foods, etc.)

Courses are organized as units of study and can be viewed at http://ib.a2schools.org. Click on the Parent Resources link. Then look for the “Scarlett/Huron MYP Curriculum Unit Planners”.

What does a typical Huron 9th and 10th grade schedule look like?

<table>
<thead>
<tr>
<th>Subject</th>
<th>9th Grade</th>
<th>10th Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Language and</td>
<td>English 9 (IB)</td>
<td>English 10 (IB)</td>
</tr>
<tr>
<td>Literature</td>
<td>World Language - continue with language taken in 8th grade</td>
<td>World Language - continue with language taken in 9th grade</td>
</tr>
<tr>
<td>Language Acquisition</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acquisition</td>
<td>World History and Geography (IB)</td>
<td>Economics (IB)</td>
</tr>
<tr>
<td>Individuals and</td>
<td>World History and Geography (IB)</td>
<td>Government (IB)</td>
</tr>
<tr>
<td>Societies</td>
<td>World History and Geography (IB)</td>
<td></td>
</tr>
<tr>
<td>Sciences</td>
<td>Biology (IB)</td>
<td>Chemistry I (IB)</td>
</tr>
<tr>
<td>Mathematics</td>
<td>Math course - Algebra I (IB), Geometry (IB) or</td>
<td>Math course - Algebra I (IB), Geometry (IB) or Algebra II (IB)</td>
</tr>
<tr>
<td></td>
<td>Algebra II (IB)</td>
<td></td>
</tr>
<tr>
<td>Subject 6</td>
<td>Visual/Performing Arts or PE/Health or Design Electives - consider Personal Fitness (IB) and Health (IB)</td>
<td>Visual/Performing Arts OR PE/Health or Design Electives</td>
</tr>
<tr>
<td>Subject 7</td>
<td>Elective</td>
<td>Elective</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MYP Personal Project course (see below)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Elective - consider Earth: History, Systems and Sustainability (IB)</td>
</tr>
</tbody>
</table>

The Ann Arbor Public Schools is proud to offer the International Baccalaureate (IB) continuum of programming, including preschool-12th grade, as follows:
- **Primary Years Programme** at Mitchell Elementary School, PreK-5th grade
- **Middle Years Programme** in partnership at Scarlett Middle School (6th-8th grade) and Huron High School (9th-10th grade)
- **Diploma Programme** at Huron High School (11th and 12th grade)
- **Career-related Programme** at Huron High School

Students and families who live within the Mitchell, Scarlett and Huron attendance boundaries are a part of these programs in addition to in-district transfer and schools of choice families who apply to be a part of the Ann Arbor IB pathway. More information about the Ann Arbor IB programming can be found at http://ib.a2schools.org.
Students complete the required **MYP Personal Project** course in the first semester of 10th grade. Students pursue a personal interest while applying the skills developed through the **MYP**.

During the course, students are guided to follow a process for learning that includes:

1. Investigating
2. Planning
3. Taking Action
4. Reflecting

In January each year, students present their project during the evening **Personal Project Exhibition** at Huron.

Specific project titles can be viewed at [http://ib.a2schools.org](http://ib.a2schools.org). Click on the **Parent Resource** link. Then look for the “Huron Personal Project Program”.

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**MYP Course Offerings**

*(see section in Guide)*

**International Baccalaureate**

**Personal Project**

**Language and Literature**

*English Language Arts*

- English 9 IB
- English 10 IB

**Language Acquisition**

*World Language*

- Chinese, Mandarin I IB
- Chinese, Mandarin II IB
- French I IB
- French II IB
- French II AC IB
- French III IB
- German I IB
- German II IB
- Latin I IB
- Latin II IB
- Spanish I IB
- Spanish II IB
- Spanish II AC IB
- Spanish III IB

**Individuals and Societies**

*Social Studies*

- Economics IB
- Government IB

- History and Geography, World IB

**Sciences**

- Science
- Biology IB
- Chemistry I IB
- Earth: Hist, Syst & Sustainability, IB
- Physics I IB

**Mathematics**

- Mathematics
- Algebra I IB
- Algebra II IB
- Algebra II AC IB
- Geometry IB
- Geometry AC IB

**Physical Education/Health**

- Health
- Physical Education
- Health and Wellness IB
- Personal Fitness I, Co-Ed IB
- Personal Fitness, Female Focus IB
- Personal Fitness, Male Focus IB
- Personal Fitness II
- Yoga IB

**Visual or Performing Arts**

*Art and Music*

- Art and Design IB
- Ceramics and Sculpture I IB
- Graphic Design IB
- Photography I, Darkroom IB
- Photography, Digital I IB
- Band, Varsity IB
- Chorus, Cantando Treble IB
- Chorus, Cantare Bass IB
- Orchestra Philharmonic IB

**Design**

*Project Lead the Way, Business & Management, Career & Technical Education*

- Engineering Design IB
- Engineering, Principles of IB
- Computer Applications I IB
- Computer Applications II IB
- Marketing Education IB
- Programming, Visual Basic IB
- Web Design I IB
- Web Design II IB
- Auto, Know Your IB
- Foods, Nutrition and IB
## IB at Huron in 11th and 12th Grade: Choose Your Best Fit

Huron High School offers International Baccalaureate (IB) pathways for almost any student in 11th and 12th grade.

- **IB Diploma Programme**
- **IB Career-related Programme**
- **IB Course Student (as part of Traditional student experience)**

The Huron IB coordinators, counselors, teachers and administrators will help each student find their “IB best fit” that recognizes the student’s strengths, interests, passions, and goals leading to success in the next steps of life.

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Please use the table below to understand the student experience within each pathway.

<table>
<thead>
<tr>
<th>Path</th>
<th>Full IB Diploma Programme Student (DP)</th>
<th>Career-related Programme Student (CP)</th>
<th>IB Course Student (as part of Traditional student experience)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Courses</td>
<td>Takes six DP courses, one from each of the DP subject groups in 11th and 12th grades</td>
<td>Takes courses from an offered Career-related pathway and takes two or more DP courses in 11th and 12th grades</td>
<td>Takes combination of courses offered at Huron: DP courses, AP courses, and/or any traditional Huron course by choice.</td>
</tr>
</tbody>
</table>
| Core Experiences | Completes the elements of **DP Core** (through DP Advisory course)  
- Theory of Knowledge (TOK)  
- Extended Essay  
- Creativity, Activity and Service (CAS) | Completes the elements of **CP Core** (through CP Advisory course)  
- Personal and Professional Skills (PPS)  
- Reflective Project  
- Service Learning  
- Language Development | Not applicable |
| Exams | Attempts IB Exams in all six DP subjects | Attempts IB Exams in selected DP courses | Attempts IB exams in selected DP courses |
| Extra-Curricular | Participates in Huron:  
- Clubs  
- Sports | Participates in Huron:  
- Clubs  
- Sports | Participates in Huron:  
- Clubs  
- Sports |
| Awards | Receives:  
- Huron High School Diploma  
- IB Diploma (upon successful completion of all components and exams) | Receives:  
- High School Diploma  
- IB Career Related Certificate (upon successful completion of all components and exams) | Receives:  
- Huron High School Diploma |
### Career-related Study Choices: Updated: December 2018

**CP Students take:**  
Courses in their career-related study field for 4 consecutive semesters in 11-12th grades  
A minimum of two of the DP courses listed below (one must be a two-year course)  
CP Core Advisory, a course taken for 4 consecutive semesters in 11th and 12th grades.

- **Engineering** (Introduction to Engineering Design, Principles of Engineering, Aerospace Engineering, Engineering Design and Development)  
- **Business, Management, Marketing and Technology** (Accounting, Marketing, Principles of Management, Entrepreneurship, Web Design, Computer Applications Technology)  
- **Automotive Services** (Auto Service Technology 1 and 2)  
- **Homebuilding**  
- **Cosmetology**

### Full IB Diploma Students take:

A full schedule of DP courses in 11th and 12th grade  
One course each from DP Groups 1-5, and a 6th additional course from groups 3, 4 or 6 listed below  
DP Core Advisory for 4 consecutive semesters in 11th and 12th grades.

#### DP Group 1 Choices:
- DP Language and Literature HL (two years)  
- DP Literature HL (two years)

#### DP Group 2 Choices:
* CP students choose DP Group 2 only as their third choice.  
- DP Language B available in Spanish, French, German, Mandarin at ab initio (from the beginning), SL, and HL levels (two years)

#### DP Group 3 Choices:
- DP Global Politics SL (one year)  
- DP Psychology SL (one year)  
- DP History SL (one year)  
- DP Business Management SL (one year)  
- DP History HL (two years)

#### DP Group 4 Choices:
- DP Physics SL or HL (two years)  
- DP Chemistry SL or HL (two years)  
- DP Biology SL or HL (two years)  
- DP Computer Science SL or HL (two years)  
- DP Environmental Systems and Societies SL (one year)

#### DP Group 5 Choices:
- **Class of 2021 and beyond**  
  - Math Applications & Interpretations SL (two years)  
  - Math Applications & Interpretations HL (two years)  
  - Math Analysis & Approaches SL (two years)  
  - Math Analysis & Approaches HL (two years)

#### DP Group 6 Choices:
- DP Music SL (one year, must also take performance music course)  
- DP Visual Arts SL or HL (two years)  
- DP Film SL or HL (two years)

To find out more about these DP courses, please go to [www.ib.a2schools.org](http://www.ib.a2schools.org) and click on “IB at Huron”
The personal project is a culminating 10th grade activity that showcases individual learning in the Middle Years Programme (MYP). It focuses on a topic chosen by the student, and it challenges students to demonstrate their learning capabilities.

Success with the Personal Project is connected to skills every successful student needs (but not all schools intentionally address) including being a thoughtful planner and problem solver. In MYP schools around the world, the Personal Project is regarded as a marker that defines readiness for learning opportunities in high school and beyond. Many MYP students refer to their Personal Project in their college admissions essays and scholarship applications. In addition, students who are entering the trades or job market following high school distinguish themselves as well by explaining their work to select a project, plan it, carry out the plan and then evaluate the effectiveness of the project.
Following are the 27 Diploma Programme courses now being offered at Huron High School, an IB World School. The Diploma Programme is a course of study taught worldwide and is open to all 11th and 12th grade students in consultation with the Huron DP coordinator and Huron counselors. For more information about the Huron DP and Ann Arbor IB, please go to http://ib.a2schools.org.

**CP CORE ADVISORY PERSONAL AND PROFESSIONAL SKILLS YR1 IB**

**Course #:** IB680101, IB680102  
**Grade(s):** 11, 12  
**School(s):** Huron  
**Duration:** Year 11th: 0.5  
**Credit/Term:** Year 11th: 0.5  
**Meets Grad Requirements:**  
**Prerequisite:** Students must be in the IB/CP Programme  
**NCAA Status:**

This course is for students working toward the IB Career-related Programme Certificate. It is taken in both 11th and 12th grade. The course prepares students for the successful completion of the Core elements of the IB Career-related Programme:  
* Personal and Professional Skills,  
* Reflective Project,  
* Language Development, and  
* Service Learning.  

Students will explore attitudes, skills, and strategies to both personal and professional situations and contexts now and in the future. Students work to produce a Reflective Project by learning and applying strategies of high-level research, writing, and extended communication skills as they explore an ethical dilemma in their chosen career-related study area. Students will devote time to developing and demonstrating skills in a language beyond their mother tongue and applying knowledge and skills toward meeting the needs of their community through service learning opportunities.

**DP CORE ADVISORY THEORY OF KNOWLEDGE YR1 IB**

**Course #:** IB209511, IB209512  
**Grade(s):** 11, 12  
**School(s):** Huron  
**Duration:** Year 11th: 0.5  
**Credit/Term:** Year 11th: 0.5  
**Meets Grad Requirements:**  
**Prerequisite:** Must be enrolled as a full Diploma Programme student to enroll in this course.  
**NCAA Status:**

Students working toward their IB Diploma take this course in both 11th and 12th grade. The course prepares students for the successful completion of the Core elements of the IB Diploma Programme:  
Creativity, Activity and Service  
The Extended Essay  
Theory of Knowledge

**Theory of Knowledge I (11th Grade)**  
Students will explore attitudes, skills, and strategies to both personal and professional situations and contexts now and in the future. Students work to produce an Extended Essay by learning and applying strategies of high-level research, writing, and extended communication skills as they explore an academic subject of their choosing. Students will devote time to developing and demonstrating the affective skills that are a part of Creativity, Activity, and Service as well.

**Theory of Knowledge II (12th Grade)**  
Students will explore attitudes, skills, and strategies to both personal and professional situations and contexts now and in the future. Students work to produce a Extended Essay by learning and applying strategies of high-level research, writing, and extended communication skills as they explore an academic subject of their choosing. Students will devote time to developing and demonstrating the affective skills that are a part of Creativity, Activity, and Service as well.
LITERATURE HL YR1 IB

School(s): Huron

Course #: IB109100, IB109102

Grade(s): 11, 12

Duration: 1 Year each
Credit/Term: .5
Meets Grad Requirements: English Elective
Prerequisite: English 10
NCAA Status: APPROVED

Literature HL Yr1 (Grade 11)
Literature HL Yr1 (IB) is the first year of a two-year course that teaches students to develop their analytical skills as it relates to reading, interpreting, presenting on, and writing about literature. The course will cover all CCSS for the English Language Arts. The course is intended for 11th grade students who are either enrolled in the Diploma Programme (DP) or are seeking a course-specific certificate in DP. The content of the course includes literature in a broad range of genres, including poetry, drama, fiction, and non-fiction prose from around the world. The performance expectations of the course will focus on reading, speaking and listening, and writing practices such as rhetorical analysis, literary analysis or close reading, historical and cultural research, oral interpretation of literature, small group discussions, and oral presentations. This course satisfies the Language and Literature requirement for Full IB Diploma students.

Literature HL Yr2 (Grade 12)
Literature HL Yr2 (IB) is the second year of a two-year course that teaches students to develop their analytical skills as it relates to reading, interpreting, presenting on, and writing about literature. The course will cover all CCSS for the English Language Arts. The course is intended for 12th grade students who are either enrolled in the Diploma Programme (DP) or are seeking a course-specific certificate in DP. The content of the course includes literature in a broad range of genres, including poetry, drama, fiction, and non-fiction prose from around the world. The performance expectations of the course will focus on reading, speaking and listening, and writing practices such as rhetorical analysis, literary analysis or close reading, historical and cultural research, oral interpretation of literature, small group discussions, and oral presentations.

LITERATURE, LANGUAGE AND HL YR1 IB

School(s): Huron

Course #: IB109200, IB109202

Grade(s): 11, 12

Duration: Year each
Credit/Term: .5
Meets Grad Requirements: English Elective
Prerequisite: English 10
NCAA Status: APPROVED

Language and Literature HL Yr1 (Grade 11)
Language and Literature HL Yr1 (IB) aims to develop skills of textual analysis and the understanding that texts, both literary and non-literary, can relate to culturally determined reading practices. The course also encourages students to question the meaning generated by language and texts. An understanding of the ways in which formal elements are used to create meaning in a text is combined with an exploration of how that meaning is affected by reading practices that are culturally defined and by the circumstances of production and reception. The study of literature in translation from other cultures is especially important to IB DP students because it contributes to a global perspective. Texts are chosen from a variety of sources, genres and media. This course satisfies the Language and Literature requirement for Full IB Diploma students.

Language and Literature HL Yr2 (Grade 12)
The Language and Literature HL Yr2 (IB) course is the second year of a two-year course. The IB Language and Literature course aims to develop skills of textual analysis and the understanding that texts, both literary and non-literary, can relate to culturally determined reading practices. The course also encourages students to question the meaning generated by language and texts. An understanding of the ways in which formal elements are used to create meaning in a text is combined with an exploration of how that meaning is affected by reading practices that are culturally defined and by the circumstances of production and reception. The study of literature in translation from other cultures is especially important to IB DP students because it contributes to a global perspective. Texts are chosen from a variety of sources, genres and media. This course satisfies the Language and Literature requirement for Full IB Diploma students.
**ARABIC SL/HL YR1 IB**

- Course #: IB506100, IB506121, IB506122
- Grade(s): 11, 12
- School(s): Huron
- Duration: 2 Term
- Credit/Term: 0.5
- Meets Grad Requirements: World Language
- Prerequisite: Arabic II
- NCAA Status: APPROVED

**Arabic SL/HL Yr1 (Grade 11)**

Arabic SL/HL Yr1 (IB) focuses on the development of students' communicative competence in Arabic and their understanding of the culture(s) of Arabic-speaking countries. Students will learn to communicate about themselves and their immediate environment using simple sentences containing basic language structures. This communication is evidenced in all four language skills - listening, speaking, reading, and writing - with emphasis on the ability to communicate orally and in writing. The course allows students to access the target language by studying it as a beginner or as someone with prior experience of the language. Those who pass the course at standard level should be able to follow university courses in other disciplines in the language B that is studied.

**Arabic SL Yr2 (Grade 12)**

Arabic SL Yr 2 (IB) is the second year of a two-year course, for students with an Intermediate /Advanced proficiency level of Arabic. It focuses on the development of students communicative competence in Arabic and their understanding of the culture(s) of Arabic-speaking countries. While acquiring a language, students will explore the culture(s) connected to it. The class is conducted entirely in Arabic and requires the student to be an independent and highly motivated learner. Students in this level will be able to discuss a topic in writing in 60 and 120 words, describe a picture in Arabic and talk about culture difference between the Arab world countries. This course also prepares students to the DP internal and external assessments. This course satisfies the Language, Acquisition requirement for Full IB Diploma students.

**Arabic HL Yr2 (Grade 12)**

Arabic HL Yr 2 (IB) is the second year of a two-year course, for students with Advanced Proficiency level of Arabic. It focuses on the development of students communicative competence in Arabic and their understanding of the culture(s) of Arabic-speaking countries. While acquiring a language, students will explore the culture(s) connected to it. The class is conducted entirely in Arabic and requires the student to be an independent and highly motivated learner. Students in this level will be able to discuss a topic in writing in 60 and 120 words, describe a picture in Arabic and talk about culture difference between the Arab world countries. This course also prepares students to the DP internal and external assessments. This course satisfies the Language, Acquisition requirement for Full IB Diploma students.

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**CHINESE, MANDARIN AB INITIO SL YR  IB**

- Course #: IB509211, IB509212
- Grade(s): 11, 12
- School(s): Huron
- Duration: 2 Terms
- Credit/Term: 0.5
- Meets Grad Requirements: World Language
- Prerequisite: 
- NCAA Status: APPROVED

**Chinese, Mandarin Ab Initio Yr1 (Grade 11)**

Mandarin Chinese ab initio year I course is an entry-level course, no pre-requrement. The purpose for this course is for DP students with opportunities to practice and explore the beginning level Mandarin Chinese as well as to develop intercultural understanding. Through the development of receptive, productive and interactive skills, students should be able to respond and interact appropriately in a range of everyday situations. Mandarin Chinese ab initio is available at Standard Level only. This course satisfies the Language Acquisition requirement for Full IB Diploma students.

**Chinese, Mandarin Ab Initio Yr2 (Grade 12)**

Mandarin Chinese ab initio year 2 course is a novice mid/high level course, which requires students to finish Mandarin Chinese ab initio year I. The purpose for this course is for DP students with opportunities to practice and explore the second year Mandarin Chinese as well as to develop intercultural understanding. Through the development of receptive, productive and interactive skills, students should be able to respond and interact appropriately in a range of contexts and for a variety of purposes. Mandarin Chinese ab initio is available at Standard Level only. This course satisfies the Language Acquisition requirement for Full IB Diploma students.
**CHINESE, MANDARIN SL/HL YR1 IB**

**School(s):** Huron

**Course #:** IB509200, IB509201, IB509202

**Grade(s):** 11, 12

<table>
<thead>
<tr>
<th>Duration:</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Terms</td>
<td>0.5</td>
<td>World Language</td>
<td>Chinese, Mandarin II</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

**Chinese, Mandarin SL/HL Yr1 (Grade 11)**

Chinese, Mandarin SL/HL Yr1 (IB) is the first year of a two-year course, for students with an intermediate proficiency level of Mandarin. Through the development of receptive, productive and interactive skills, students should be able to develop mastery of Chinese language skills and intercultural understanding. The core topics are Communication and media, Global issues, and Social relationships. The option topics are: Customs and traditions, and Leisure, etc. This course also prepares students to the DP internal and external assessments. This course satisfies the Language Acquisition requirement for Full IB Diploma students.

**Chinese, Mandarin SL Yr2 (Grade 12)**

Chinese, Mandarin SL Yr 2 (IB) is the second year of a two-year course, for students with an Intermediate /advanced proficiency level of Mandarin Chinese. Through the development of receptive, productive and interactive skills, students should be able to develop Chinese skills through the study and use of a range of written and spoken authentic materials. Such materials will extend from everyday oral exchanges to literary texts, and will be related to the Chinese culture(s). The core topics are: Communication and media, Global issues and Social relationships. The option topics are: Customs and traditions, and Cultural diversity, etc. This course also prepares students to the DP internal and external assessments. This course satisfies the Language, Acquisition requirement for Full IB Diploma students.

**Chinese, Mandarin HL Yr2 (Grade 12)**

Chinese, Mandarin HL Yr 2 (IB) is the second year of a two-year course, for students with Advanced Proficiency level of Mandarin Chinese. There is a common syllabus at SL and HL (with literature as an additional component of the HL course). The authentic materials are chosen to enable students to master high level language skills and intercultural understanding. The differences between SL and HL are determined by the assessment objectives, the depth and breadth of syllabus coverage, the assessment details, the assessment criteria, and literature coverage. This course satisfies the Language, Acquisition requirement for Full IB Diploma students.
IB – DIPLOMA PROGRAMME

FRENCH SL/HL YR1 IB
FRENCH SL YR2 IB
FRENCH HL YR2 IB

School(s): Huron

Course #: IB509300, IB509301, IB509302

Grade(s): 11, 12

Duration:
1 Year each

Credit/Term
0.5

Meets Grad Requirements
World Language

Prerequisite:
French II

NCAA Status
APPROVED

French SL/HL Yr1 (Grade 11)
French SL/HL Yr 1 (IB) is the first year of a two-year course that approaches the learning of French through meaning. Through the study of the core and option themes plus two literary works (L’étranger, Albert Camus and Huis clos, Jean Paul Sartre). Student will build the necessary skills to reach the assessment objectives of the French language B course by expanding their receptive, productive and interactive skills. All reading, writing, and oral dialogues and presentations will be conducted in French. This course satisfies the Language Acquisition requirement for Full IB Diploma students.

French SL Yr2 (Grade 12)
French SL Yr 2 (IB) is the second year of a two-year course. The French SL/HL (IB) syllabus, a two year course, approaches the learning of French through meaning. Through the study of the core and option themes plus two literary works (L’étranger, Albert Camus and Huis clos, Jean Paul Sartre). Student will build the necessary skills to reach the assessment objectives of the French language B course by expanding their receptive, productive and interactive skills. All reading, writing, and oral dialogues and presentations will be conducted in French. This course satisfies the Language Acquisition requirement for Full IB Diploma students.

French HL Yr 2 (Grade 12)
French HL Yr 2 (IB) is the second year of a two-year course. The French SL/HL (IB) syllabus, a two year course, approaches the learning of French through meaning. Through the study of the core and option themes plus two literary works (L’étranger, Albert Camus and Huis clos, Jean Paul Sartre). Student will build the necessary skills to reach the assessment objectives of the French language B course by expanding their receptive, productive and interactive skills. All reading, writing, and oral dialogues and presentations will be conducted in French. This course satisfies the Language Acquisition requirement for Full IB Diploma students.

GERMAN AB INITIO SL YR1 IB
GERMAN AB INITIO SL YR2 IB

School(s): Huron

Course #: IB502101, IB502102

Grade(s): 11, 12

Duration:
2 Terms

Credit/Term
0.5

Meets Grad Requirements
World Language

Prerequisite:

NCAA Status
APPROVED

German Ab Initio Yr1 (Grade 11)
German ab initio (“from the beginning”) year 1 course designed for 11th grade students who are enrolled in the Full IB Diploma Programme. This course satisfies the Group 2 language requirement for the IB Diploma Programme. This course adheres to the standards adopted by the State of Michigan. Students enrolled in the Ab Initio languages do not need to have any prior experience with the language.

German Ab Initio Yr2 (Grade 12)
German ab initio (“from the beginning”) year 2 course designed for 12th grade students who are enrolled in the Full IB Diploma Programme. This course satisfies the Group 2 language requirement for the IB Diploma Programme. This course adheres to the standards adopted by the State of Michigan.
German SL/HL Yr1 IB

German SL/HL Yr1 IB is the first year of a two-year course. This course provides students with the opportunity to promote an understanding of other cultures through the study of language. This two year course is intended for 11th and 12th grade students and designed for students who possess a degree of knowledge and experience in German. This course satisfies the foreign language requirement for Full IB Diploma students. Selecting the Higher Level option in senior year should be able to follow university courses in German. This course satisfies the Language Acquisition requirement for Full IB Diploma students.

German SL Yr2 (Grade 12)

German SL Yr2 IB is the second year of a two-year course. This course provides students with the opportunity to promote an understanding of other cultures through the study of language. This two year course is intended for 11th and 12th grade students and designed for students who possess a degree of knowledge and experience in German. This course satisfies the foreign language requirement for Full IB Diploma students. Selecting the Higher Level option in senior year should be able to follow university courses in German. This course satisfies the Language Acquisition requirement for Full IB Diploma students.

German HL Yr2 (Grade 12)

German HL Yr2 IB is the second year of a two-year course. This course provides students with the opportunity to promote an understanding of other cultures through the study of language. This two year course is intended for 11th and 12th grade students and designed for students who possess a degree of knowledge and experience in German. This course satisfies the foreign language requirement for Full IB Diploma students. Selecting the Higher Level option in senior year should be able to follow university courses in German. This course satisfies the Language Acquisition requirement for Full IB Diploma students.

Latin SL/HL Yr1 IB

Latin SL/HL Yr1 IB are designed to train the student in the reading of authentic Latin texts and in the exploration of the languages, literatures and cultures of the ancient Mediterranean. The class also aims to enhance the appreciation of the influence of the Latin language on modern thought and language, and to develop the skills of critical thought, memory, and close textual analysis. This course satisfies the Language Acquisition requirement for Full IB Diploma students.

Latin SL Yr2 (Grade 12)

Latin SL Yr2 IB is the second year of a two-year course. Latin SL/HL Years 1 and 2 (IB) are designed to train the student in the reading of authentic Latin texts and in the exploration of the languages, literatures and cultures of the ancient Mediterranean. The class also aims to enhance the appreciation of the influence of the Latin language on modern thought and language, and to develop the skills of critical thought, memory, and close textual analysis. This course satisfies the Language Acquisition requirement for Full IB Diploma students.

Latin HL Yr2 (Grade 12)

Latin HL Yr2 IB is the second year of a two-year course. Latin SL/HL Years 1 and 2 (IB) are designed to train the student in the reading of authentic Latin texts and in the exploration of the languages, literatures and cultures of the ancient Mediterranean. The class also aims to enhance the appreciation of the influence of the Latin language on modern thought and language, and to develop the skills of critical thought, memory, and close textual analysis. This course satisfies the Language Acquisition requirement for Full IB Diploma students.
### SPANISH SL/HL YR1 IB

**School(s):** Huron  
**Course #:** IB509600, IB509601, IB509602  
**Grade(s):** 11, 12  
**Duration:** 2 Terms  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** World Language  
**Prerequisite:** Spanish II  
**NCAA Status:** APPROVED

**Spanish B SL/HL Yr1 (Grade 11)**

Spanish SL/HL Yr 1 (IB) is the first year of a two-year course that approaches the learning of Spanish through culturally contextualized units. Through the study of core and options themes students will explore Spanish-speaking culture around the world, while simultaneously increasing their proficiency. During the course of this first year students will read an authentic piece of Spanish-language literature. Students will build the necessary skills to reach the assessment objectives of the Spanish Language B Course by expanding their receptive, productive, and interactive skills. All of the course will be conducted in Spanish. In addition, all reading, writing, and oral dialogues and presentations will be in Spanish. This course satisfies the Language Acquisition requirement for Full IB Diploma students.

Students must complete Spanish B SL/HL Yr1 in Grade 11 before taking Spanish B SL or HL Yr2 in Grade 12.

### SPANISH SL YR2 IB

**Spanish B SL Yr2 (Grade 12)**

Spanish SL Yr 2 (IB) is the second year of a two-year course that approaches the learning of Spanish through culturally contextualized units. Through the study of core and options themes students will explore Spanish-speaking culture around the world, while simultaneously increasing their proficiency. Students will build the necessary skills to reach the assessment objectives of the Spanish Language B Course by expanding their receptive, productive, and interactive skills. All of the course will be conducted in Spanish. In addition, all reading, writing, and oral dialogues and presentations will be in Spanish. This course satisfies the Language Acquisition requirement for Full IB Diploma students.

### SPANISH HL YR2 IB

**Spanish B HL Yr2 (Grade 12)**

Spanish HL Yr 2 (IB) is the second year of a two-year course that approaches the learning of Spanish through culturally contextualized units. Through the study of core and options themes students will explore Spanish-speaking culture around the world, while simultaneously increasing their proficiency. During the course of this second year students will read another authentic piece of Spanish-language literature. Students will build the necessary skills to reach the assessment objectives of the Spanish Language B Course by expanding their receptive, productive, and interactive skills. All of the course will be conducted in Spanish. In addition, all reading, writing, and oral dialogues and presentations will be in Spanish. This course satisfies the Language Acquisition requirement for Full IB Diploma students.
### BUSINESS AND MANAGEMENT SL IB

**Course #:** IB619100  
**School(s):** Huron  
**Grade(s):** 11, 12  

**Duration:** 1 Year  
**Credit/Term:** 0.5  
**Meets Grad Requirements:**  
**Prerequisite:** None  
**NCAA Status:**  

Business and Management SL (IB) is intended to help students develop their understanding of the fundamental concepts of Business and management. The course will cover all of the business and management related standards adopted by the State of Michigan. This course is intended for 11th and 12th grade students. The performance expectations of the course will focus on business and management practices such as; employing information management techniques and strategies to assist in decision-making, planning and time management, managing customer relationships, understanding day-to-day business activities, risk management strategies, human resources, and operational and functional aspects of management. This course satisfies the Individuals and Societies requirement for Full IB Diploma students.

An integral part of the program is an opportunity for participating in a student professional organization (DECA/BPA).

This is a State-Approved CTE course. Students are eligible, upon successful completion of this program (2 semesters or at least 2 trimesters), to substitute this course for the following graduation credits:
1 credit of World Language  
1 credit of Science  

Through a personal curriculum a State-Approved CTE course may substitute for a VPAA credit.

Students may be eligible to receive college credit for successful completion of this course at Washtenaw Community College through the Articulation program. Students should contact their teacher for more information.

### GLOBAL POLITICS SL IB

**Course #:** IB209300  
**School(s):** Huron  
**Grade(s):** 11, 12  

**Duration:** 1 Year  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** US Government  
**Prerequisite:** None  
**NCAA Status:** APPROVED  

Global Politics SL (IB) allows students to explore basic fundamental political concepts. It is designed for students to develop an understanding of the local, national, international, and global dimensions of political activity and processes, as well to explore political issues affecting their own lives. The course is intended for 11th and 12th grade students, and will serve as a component of the IB Diploma Program. This course satisfies the Individuals and Societies requirement for Full IB Diploma students.

### HISTORY SL IB

**Course #:** IB209101  
**School(s):** Huron  
**Grade(s):** 11, 12  

**Duration:** 1 Year  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** US History & Geog  
**Prerequisite:** None  
**NCAA Status:** APPROVED  

The History SL (IB) course is based on a comparative and multi-perspective approach to history. It is evidence-based and involves a rigorous exploration of the past with an emphasis on the global perspective. The will explore themes of global war, including the rise of Authoritarian States and the cause and effects of 20th Century Wars. It will also stress the role the United States played in the 20th Century. The content of this course will also cover all the Michigan High School Social Studies Content Expectations for U.S. History and Geography. This course satisfies the Individuals and Societies requirement for Full IB Diploma students.
### HISTORY HL YR 1 IB

**Course #:** IB209200, IB209201  
**School(s):** Huron  
**Grade(s):** 11, 12

<table>
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<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
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<tbody>
<tr>
<td>1 Year each</td>
<td>0.5</td>
<td>US History &amp; Geog</td>
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**History HL Yr1 (Grade 11)**

The History HL Yr1 (IB) is the first year of a two-year course that is based on a comparative and multi-perspective approach to history. It is evidence-based and involves a rigorous exploration of the past with an emphasis on the global perspective. The standard level IB course (year one of the HL) will explore themes of Global War, including the rise of Authoritarian States and the cause and effects of 20th Century Wars. It will also stress the role the United States played in the 20th Century. The content of this course will also cover all the Michigan High School Social Studies Content Expectations for U.S. History and Geography. The second year (HL) will focus on a history of Europe highlighting the Renaissance, Absolutism, Enlightenment and the First World War. This course satisfies the Individuals and Societies requirement for Full IB Diploma students.

### HISTORY HL YR 2 IB

**Course #:** IB209200, IB209201  
**School(s):** Huron  
**Grade(s):** 11, 12

<table>
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<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Year each</td>
<td>0.5</td>
<td>US History &amp; Geog</td>
<td>None</td>
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</table>

**History HL Yr2 (Grade 12)**

The History HL Yr2 (IB) course is the second year of a two-year course that is based on a comparative and multi-perspective approach to history. It is evidence-based and involves a rigorous exploration of the past with an emphasis on the global perspective. The standard level IB course (year one of the HL) will explore themes of Global War, including the rise of Authoritarian States and the cause and effects of 20th Century Wars. It will also stress the role the United States played in the 20th Century. The content of this course will also cover all the Michigan High School Social Studies Content Expectations for U.S. History and Geography. The second year (HL) will focus on a history of Europe highlighting the Renaissance, Absolutism, Enlightenment and the First World War. This course satisfies the Individuals and Societies requirement for Full IB Diploma students.

### PSYCHOLOGY SL IB

**Course #:** IB209400  
**School(s):** Huron  
**Grade(s):** 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
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<tbody>
<tr>
<td>1 Year</td>
<td>0.5</td>
<td></td>
<td>None</td>
<td>APPROVED</td>
</tr>
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</table>

The Psychology SL (IB) course aims are to teach the students major principles in the field of Psychology, understand research methods, and to educate students about human behavior and cognition. The course content will focus on biological, cognitive and sociocultural levels of analysis. Students will also have the opportunity to conduct an experiment and explore one of the following research topics in depth: abnormal psychology, developmental psychology, health psychology, psychology of human relationships, sports psychology. The goal of the course is to teach students how to be critical thinkers, analyze research, explore research methods and to understand the relationship between biopsychosocial events and our behaviors and mental processes. This course satisfies the Individuals and Societies requirement for Full IB Diploma students.
### IB – DIPLOMA PROGRAMME

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade(s)</th>
<th>School(s)</th>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
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<td>Huron</td>
<td>1 Year</td>
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<td>Yes</td>
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Students electing the following three courses participate in assessment components designed to ensure academic challenge consistent with IB standards. The course work and assessments represent longer-term projects or investigations that are scored based on criteria established by IB. Additionally, assessments include multiple choice short answer and extended response questions that require analysis of data and experimental work.

**Biology SL/HL Yr1 (Grade 11)**

Biology SL/HL Yr1 (IB) is the first year of a two-year course that is intended to help students develop their understanding of the fundamental concepts of biology. This course will deepen and add breadth to the knowledge and practices that are included in the Michigan Science Standards (MSS) and will address all expectations of the International Baccalaureate Organization. This two year course is intended for students to begin in grade 11 and will proceed with the expectation that students are proficient with the content addressed in the Biology, Chemistry 1, Physics 1, Earth Science sequence. It will serve as a continuation of the Biology 1 course, building on the content and skills acquired in 9th grade. The performance expectations of the course will focus on scientific practices such as; developing and using models, planning and conducting investigations, analyzing and interpreting data, using mathematical and computational thinking, and constructing explanations. This course satisfies the Sciences requirement for Full IB Diploma students.

**Biology SL Yr2 (Grade 12)**

Biology SL Yr2 (IB) is the second year of a two-year course that is intended to help students develop their understanding of the fundamental concepts of biology. This course will deepen and add breadth to the knowledge and practices that are included in the Michigan Science Standards (MSS) and will address all expectations of the International Baccalaureate Organization. This two year course is intended for students to begin in grade 11 and will proceed with the expectation that students are proficient with the content addressed in the Biology, Chemistry 1, Physics 1, Earth Science sequence. It will serve as a continuation of the Biology 1 course, building on the content and skills acquired in 9th grade. The performance expectations of the course will focus on scientific practices such as; developing and using models, planning and conducting investigations, analyzing and interpreting data, using mathematical and computational thinking, and constructing explanations. This course satisfies the Sciences requirement for Full IB Diploma students.

**Biology HL Yr2 (Grade 12)**

Biology HL Yr2 (IB) is the second year of a two-year course that is intended to help students develop their understanding of the fundamental concepts of biology. This course will deepen and add breadth to the knowledge and practices that are included in the Michigan Science Standards (MSS) and will address all expectations of the International Baccalaureate Organization. This two year course is intended for students to begin in grade 11 and will proceed with the expectation that students are proficient with the content addressed in the Biology, Chemistry 1, Physics 1, Earth Science sequence. It will serve as a continuation of the Biology 1 course, building on the content and skills acquired in 9th grade. The performance expectations of the course will focus on scientific practices such as; developing and using models, planning and conducting investigations, analyzing and interpreting data, using mathematical and computational thinking, and constructing explanations. This course satisfies the Sciences requirement for Full IB Diploma students.
Chemistry SL/HL Yr 1 (Grade 11)
Chemistry SL/HL Yr1 (IB) is the first year of a two-year course intended to help students develop their understanding of the fundamental concepts of chemistry. The course will deepen student understanding and add breadth to the chemistry-related physical science standards adopted by the State of Michigan in 2015. This course is intended for 11th grade students and follows the MYP Biology/Chemistry/Physics, and Earth Science sequence. It will provide a rigorous student experience that will prepare students for college level science courses. This course will also meet the requirements of the International Baccalaureate. The performance expectations of the course will focus on scientific practices such as; developing and using models, planning and conducting investigations, analyzing and interpreting data, using mathematical and computational thinking, and constructing explanations. This course satisfies the Sciences requirement for Full IB Diploma students.

Chemistry SL Yr 2 (Grade 12)
Chemistry SL Yr 2 (IB) is the second year of a two-year course intended to help students develop their understanding of the fundamental concepts of chemistry. The course will deepen student understanding and add breadth to the chemistry-related physical science standards adopted by the State of Michigan in 2015. This course is intended for 12th grade students and follows the MYP Biology/Chemistry/Physics, and Earth Science sequence. It will provide a rigorous student experience that will prepare students for college level science courses. This course will also meet the requirements of the International Baccalaureate. The performance expectations of the course will focus on scientific practices such as; developing and using models, planning and conducting investigations, analyzing and interpreting data, using mathematical and computational thinking, and constructing explanations. This course satisfies the Sciences requirement for Full IB Diploma students.

Chemistry HL Yr 2 (Grade 12)
Chemistry HL Yr 2 (IB) is the second year of a two-year course intended to help students develop their understanding of the fundamental concepts of chemistry. The course will deepen student understanding and add breadth to the chemistry-related physical science standards adopted by the State of Michigan in 2015. This course is intended for 11th grade students and follows the MYP Biology/Chemistry/Physics, and Earth Science sequence. It will provide a rigorous student experience that will prepare students for college level science courses. This course will also meet the requirements of the International Baccalaureate. The performance expectations of the course will focus on scientific practices such as; developing and using models, planning and conducting investigations, analyzing and interpreting data, using mathematical and computational thinking, and constructing explanations. This course has a significant amount of time allocated to laboratory experiments. This course satisfies the Sciences requirement for Full IB Diploma students.
Computer Science SL/HL Yr1 (Grade 11)

Computer Science SL/HL Yr1 is the first year of a two-year course that encourages the exploration of the fundamental concepts of computational thinking as well as knowledge of how computers and other digital devices operate. IBCS is engaging, accessible, inspiring and rigorous. It has the following characteristics. As part of the course, students will be enabled and empowered to develop innovation, exploration and the acquisition of further knowledge. The curriculum will present opportunities to explore and discuss how technology interacts and influences cultures, societies both at the collective and individual level.

Computational thinking - the ability to think procedurally, logically, concurrently, abstractly, recursively and think ahead - is woven throughout the course. The course itself utilizes an experimental and inquiry-based approach to problem-solving where students develop computational solutions to problems by developing algorithms (and express them clearly) and appreciate how theoretical and practical limitations affect the extent to which problems can be solved computationally. The abilities of identifying a problem (or unanswered question), design, prototype and test a proposed solution and ultimately liaise with clients to evaluate the success of the proposed solution and make recommendations for future developments are also developed throughout the course as part of the design cycle. This course satisfies the Sciences requirement for Full IB Diploma students.

Computer Science SL Yr2 (Grade 12)

Computer Science SL Yr2 (IB) is the second year of a two-year course. The course encourages the exploration of the fundamental concepts of computational thinking as well as knowledge of how computers and other digital devices operate. IBCS is engaging, accessible, inspiring and rigorous. It has the following characteristics. As part of the course, students will be enabled and empowered to develop innovation, exploration and the acquisition of further knowledge. The curriculum will present opportunities to explore and discuss how technology interacts and influences cultures, societies both at the collective and individual level.

Computational thinking - the ability to think procedurally, logically, concurrently, abstractly, recursively and think ahead - is woven throughout the course. The course itself utilizes an experimental and inquiry-based approach to problem-solving where students develop computational solutions to problems by developing algorithms (and express them clearly) and appreciate how theoretical and practical limitations affect the extent to which problems can be solved computationally. The abilities of identifying a problem (or unanswered question), design, prototype and test a proposed solution and ultimately liaise with clients to evaluate the success of the proposed solution and make recommendations for future developments are also developed throughout the course as part of the design cycle. This course satisfies the Sciences requirement for Full IB Diploma students.

Computer Science HL Yr2 (Grade 12)

Computer Science HL Yr2 (IB) is the second year of a two-year course that encourages the exploration of the fundamental concepts of computational thinking as well as knowledge of how computers and other digital devices operate. IBCS is engaging, accessible, inspiring and rigorous. It has the following characteristics. As part of the course, students will be enabled and empowered to develop innovation, exploration and the acquisition of further knowledge. The curriculum will present opportunities to explore and discuss how technology interacts and influences cultures, societies both at the collective and individual level.

Computational thinking - the ability to think procedurally, logically, concurrently, abstractly, recursively and think ahead - is woven throughout the course. The course itself utilizes an experimental and inquiry-based approach to problem-solving where students develop computational solutions to problems by developing algorithms (and express them clearly) and appreciate how theoretical and practical limitations affect the extent to which problems can be solved computationally. The abilities of identifying a problem (or unanswered question), design, prototype and test a proposed solution and ultimately liaise with clients to evaluate the success of the proposed solution and make recommendations for future developments are also developed throughout the course as part of the design cycle. This course satisfies the Sciences requirement for Full IB Diploma students.
# IB – DIPLOMA PROGRAMME

## ENVIRONMENTAL SYSTEMS AND SOCIETIES SL IB

<table>
<thead>
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<th>School(s):</th>
<th>Huron</th>
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<tbody>
<tr>
<td>Course #:</td>
<td>IB409400</td>
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<tr>
<td>Grade(s):</td>
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<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Year</td>
<td>0.5</td>
<td>Earth Science</td>
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Students electing the following course participate in assessment components designed to ensure academic challenge consistent with IB standards. The course work and assessments represent longer-term projects or investigations that are scored based on criteria established by IB. Additionally, assessments include multiple choice short answer and extended response questions that require analysis of data and experimental work.

Environmental Systems and Societies SL (IB) is an interdisciplinary course that studies the interaction of humans and the environment. The students will gain the knowledge and understanding of environmental systems and issues on a variety of levels. Environmental issues will be studied on personal, local and global levels, this will help students develop an awareness of environmental issues, make future environmental decisions and be motivated to be stewards for the environment. This course satisfies the Sciences requirement or the Individuals and Societies requirement for Full IB Diploma students.
Students electing the following three courses participate in assessment components designed to ensure academic challenge consistent with IB standards. The course work and assessments represent longer-term projects or investigations that are scored based on criteria established by IB. Additionally, assessments include multiple choice short answer and extended response questions that require analysis of data and experimental work.

**Physics SL/HL Yr1 (Grade 11)**
Physics SL/HL Yr1 (IB) is the first year of a two-year course. Physics is the most fundamental of the experimental sciences, as it seeks to explain the universe itself, from the very smallest particles to the vast distances between galaxies. Despite the exciting and extraordinary development of ideas throughout the history of physics, observations remain essential to the very core of the subject. Models are developed to try to understand observations, and these models can become theories that attempt to explain the observations. Besides helping us better understand the natural world, physics gives us the ability to alter our environments. This raises the issue of the impact of physics on society, the moral and ethical dilemmas, and the social, economic and environmental implications of the work of physicists. By studying physics students should become aware of how scientists work and communicate with each other. While the scientific method may take on a wide variety of forms, it is the emphasis on a practical approach through experimental work that characterizes the subject.

Teachers provide students with opportunities to develop manipulative skills, design investigations, collect data, analyze results and evaluate and communicate their findings. This course satisfies the Sciences requirement for Full IB Diploma students.

**Physics SL Yr2 (Grade 12)**
Physics SL Yr2 (IB) is the second year of a two-year course. Physics is the most fundamental of the experimental sciences, as it seeks to explain the universe itself, from the very smallest particles to the vast distances between galaxies. Despite the exciting and extraordinary development of ideas throughout the history of physics, observations remain essential to the very core of the subject. Models are developed to try to understand observations, and these models can become theories that attempt to explain the observations. Besides helping us better understand the natural world, physics gives us the ability to alter our environments. This raises the issue of the impact of physics on society, the moral and ethical dilemmas, and the social, economic and environmental implications of the work of physicists. By studying physics students should become aware of how scientists work and communicate with each other. While the scientific method may take on a wide variety of forms, it is the emphasis on a practical approach through experimental work that characterizes the subject.

Teachers provide students with opportunities to develop manipulative skills, design investigations, collect data, analyze results and evaluate and communicate their findings. This course satisfies the Sciences requirement for Full IB Diploma students.

**Physics HL Yr2 (Grade 12)**
Physics HL Yr2 (IB) is the second year of a two-year course. Physics is the most fundamental of the experimental sciences, as it seeks to explain the universe itself, from the very smallest particles to the vast distances between galaxies. Despite the exciting and extraordinary development of ideas throughout the history of physics, observations remain essential to the very core of the subject. Models are developed to try to understand observations, and these models can become theories that attempt to explain the observations. Besides helping us better understand the natural world, physics gives us the ability to alter our environments. This raises the issue of the impact of physics on society, the moral and ethical dilemmas, and the social, economic and environmental implications of the work of physicists. By studying physics students should become aware of how scientists work and communicate with each other. While the scientific method may take on a wide variety of forms, it is the emphasis on a practical approach through experimental work that characterizes the subject.

Teachers provide students with opportunities to develop manipulative skills, design investigations, collect data, analyze results and evaluate and communicate their findings. This course satisfies the Sciences requirement for Full IB Diploma students.
**Math Analysis and Approaches SL Yr1**
The Analysis and Approaches SL (Yr 1) is the first year of a two year course that focuses on analytic methods with an emphasis on calculus - appropriate for pure mathematicians, engineers, scientists, economists, those with an interest in analytic methods. Content of the course includes work in number and algebra, functions, geometry and trigonometry, statistics and probability, and calculus. The subject is aimed at students who will go on to study subjects with substantial mathematics content such as mathematics itself, engineering, physical sciences, or some economics courses. The internally assessed exploration allows students to develop independence in mathematical learning. Students are encouraged to take a considered approach to various mathematical activities and to explore different mathematical ideas. The exploration also allows students to work without the time constraints of a written examination and to develop the skills they need for communicating mathematical ideas. This course satisfies the Mathematics requirement for Full IB Diploma students.

**Math Analysis and Approaches SL Yr2**
This course will build upon the content of the Yr. 1 course. The Analysis and Approaches SL (Yr 2) is the second year of a two year course that focuses on analytic methods with an emphasis on calculus and statistics - appropriate for pure mathematicians, engineers, scientists, economists, those with an interest in analytic methods. Content of the course includes work in number and algebra, functions, geometry and trigonometry, statistics and probability, and calculus. The subject is aimed at students who will go on to study subjects with substantial mathematics content such as mathematics itself, engineering, physical sciences, or some economics courses. Students will be engaged in an internal and external assessment during year 2 of the course. The internally assessed exploration allows students to develop independence in mathematical learning. Students are encouraged to take a considered approach to various mathematical activities and to explore different mathematical ideas. The exploration also allows students to work without the time constraints of a written examination and to develop the skills they need for communicating mathematical ideas. This course satisfies the Mathematics requirement for Full IB Diploma students.

**Math Analysis and Approaches HL Yr1**
The Analysis and Approaches HL (Yr. 1) and SL (Yr 1) are the first year of a two-year course that focuses on analytic methods with an emphasis on calculus - appropriate for pure mathematicians, engineers, scientists, economists, those with an interest in analytic methods. Content of the course includes work in number and algebra, functions, geometry and trigonometry, statistics and probability, and calculus. The subject is aimed at students who will go on to study subjects with substantial mathematics content such as mathematics itself, engineering, physical sciences, or some economics courses. The internally assessed exploration allows students to develop independence in mathematical learning. Students are encouraged to take a considered approach to various mathematical activities and to explore different mathematical ideas. The exploration also allows students to work without the time constraints of a written examination and to develop the skills they need for communicating mathematical ideas. This course satisfies the Mathematics requirement for Full IB Diploma students.

**Math Analysis and Approaches HL Yr2**
This course will build upon the content of the Yr. 1 course. Analysis and Approaches HL (Yr. 2) is the second year of a two year course that focuses on analytic methods with an emphasis on statistics - appropriate for pure mathematicians, engineers, scientists, economists, those with an interest in analytic methods. Content of the course includes work in number and algebra, functions, geometry and trigonometry, statistics and probability, and calculus. The subject is aimed at students who will go on to study subjects with substantial mathematics content such as mathematics itself, engineering, physical sciences, or some economics courses. Students will be engaged in an internal and external assessment during year 2 of this course. The internally assessed exploration allows students to develop independence in mathematical learning. Students are encouraged to take a considered approach to various mathematical activities and to explore different mathematical ideas. This course satisfies the Mathematics requirement for Full IB Diploma students.
MATH APPLICATIONS AND INTERPRETATION SL YR1 IB  
MATH APPLICATIONS AND INTERPRETATION SL YR2 IB

School(s): Huron  
Course #: IB309210, IB309211

Grade(s): 11, 12  
Duration: Year each  
Credit/Term: 0.5  
Meets Grad Requirements: Math Elective  
Prerequisite: see Math Sequence chart for Huron  
NCAA Status: APPROVED

Math Applications and Interpretation SL Yr1 (Grade 11)
The Applications and Interpretation SL (Yr. 1) is the first year of a two year course that focuses on Applications and Interpretation with an emphasis on statistics, modeling with linear functions, geometry in 2D and 3D space, and use of technology - appropriate for those with an interest in the applications of mathematics and how technology can support this. This subject is aimed at students who will go on to study subjects such as social sciences, natural sciences, medicine, statistics, business, some economics course, psychology, and design. The internally assessed exploration allows students to develop independence in mathematical learning. Students are encouraged to take a considered approach to various mathematical activities and to explore different mathematical ideas. The exploration also allows students to work without the time constraints of a written examination and to develop the skills they need for communicating mathematical ideas. This course satisfies the Mathematics requirement for Full IB Diploma students.

Math Applications and Interpretation SL Yr2
The Applications and InterpretationSL (Yr. 2) is the second year of a two year course that focuses on Applications and Interpretation with an emphasis on power and trigonometric functions, differential calculus, integration, and use of technology - appropriate for those with an interest in the applications of mathematics and how technology can support this. Students will be engaged in an internal and external assessment during year 2 of the course. The internally assessed exploration allows students to develop independence in mathematical learning. Students are encouraged to take a considered approach to various mathematical activities and to explore different mathematical ideas. The exploration also allows students to work without the time constraints of a written examination and to develop the skills they need for communicating mathematical ideas. This course satisfies the Mathematics requirement for Full IB Diploma students.

MATH APPLICATIONS AND INTERPRETATION HL YR1 IB  
MATH APPLICATIONS AND INTERPRETATION HL YR2 IB

School(s): Huron  
Course #: IB309310, IB309311

Grade(s): 11, 12  
Duration: Year each  
Credit/Term: 0.5  
Meets Grad Requirements: Math Elective  
Prerequisite: see Math Sequence chart for Huron  
NCAA Status: APPROVED

Math Applications and Interpretation HL Yr1
Applications and Interpretation HL (Yr. 1) is the first year of a two year course that focuses on Applications and Interpretation with an emphasis on statistics, modeling, and use of technology. This course is appropriate for those with an interest in the applications of mathematics and how technology can support this. This course is aimed at students who will go on to study subjects such as social sciences, natural sciences, medicine, statistics, business, economics, psychology, or design. Year one of the course focuses on Functions, Trigonometry, Probability and Statistics. Some time will also be allocated to preparing for the internally assessed exploration that will be written in Year two of the course. Completion of both years of this course satisfies the Mathematics requirement for Full IB Diploma students.

Math Applications and Interpretation HL Yr2
Applications and Interpretation HL (Yr. 1) is the first year of a two year course that focuses on Applications and Interpretation with an emphasis on statistics, modeling, and use of technology. This course is appropriate for those with an interest in the applications of mathematics and how technology can support this. This course is aimed at students who will go on to study subjects such as social sciences, natural sciences, medicine, statistics, business, economics, psychology, or design. Year two of the course focuses on Calculus, as well as a culminating internally assessed mathematical exploration. The internally assessed exploration allows students to develop independence in mathematical learning. Students are encouraged to take a considered approach to various mathematical activities and to explore different mathematical ideas. The exploration also allows students to work without the time constraints of a written examination and to develop the skills they need for communicating mathematical ideas. Completion of both years of this course satisfies the Mathematics requirement for Full IB Diploma students.

Course offerings are subject to sufficient enrollment; course offerings and descriptions are subject to change.
### FILM SL/HL YR 1 IB
- **Course #**: IB109300, IB109301, IB109302
- **Grade(s)**: 11, 12
- **School(s)**: Huron

<table>
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<th>Duration:</th>
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<th>Meets Grad Requirements</th>
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<th>NCAA Status</th>
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<tbody>
<tr>
<td>Year each</td>
<td>0.5</td>
<td></td>
<td></td>
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</table>

**Film SL/HL Yr1 (Grade 11)**

This is the first year of a two-year course. This two-yr course aims to develop both a keen, inquiry-based appreciation and deep understanding of the art of cinema. In year one, international cinema across multiple genres will be examined and thoroughly analyzed through the lens of cultural, historical, technical, and aesthetic perspectives. The emphasis in year two shifts to film production, where students will be expected to apply their knowledge of film concepts, techniques, and influences in a collaborative, inquiry-based creative environment. This course satisfies the Arts requirement for Full IB Diploma students.

### FILM SL YR 2 and Film HL YR 2 (Grade 12)

This course is the second year of a two-year course. This two-year course aims to develop both a keen, inquiry-based appreciation and deep understanding of the art of cinema. In year one, international cinema across multiple genres will be examined and thoroughly analyzed through the lens of cultural, historical, technical, and aesthetic perspectives. The emphasis in year two shifts to film production, where students will be expected to apply their knowledge of film concepts, techniques, and influences in a collaborative, inquiry-based creative environment. This course satisfies the Arts requirement for Full IB Diploma students.

### MUSIC SL IB
- **Course #**: IB759100
- **Grade(s)**: 11
- **School(s)**: Huron

<table>
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<tr>
<th>Duration:</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
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<tbody>
<tr>
<td>1st Semester</td>
<td>0.5</td>
<td>VPAA</td>
<td>Must also be enrolled in Concert or Symphny Band/Orchestra, Jazz Band, Bel Canto Choir or A Cappella Choir</td>
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</tbody>
</table>

**Music SL (IB)** is intended to help students develop their understanding of advanced concepts of music. This course is intended for advanced 11th grade music students who are also enrolled in either Concert or Symphony Band/Orchestra, Jazz Band, Bel Canto Choir or A Cappella Choir. It will serve as a rigorous course that will prepare students to take the External Music Assessments required for the IB Diploma. Upon entering the course, students are expected to be proficient in clef reading including treble, bass, alto and tenor clefs, interval and chord identification and creation, major/minor scales, their keys and related chord progressions. Students will apply this knowledge to the intensive study of one western-art instrumental masterwork in addition to studying music from the various Western Art traditions and historical periods, World Music, Jazz, and Popular Music idioms. Students will also craft a 2,000-word paper comparing and contrasting two distinct musical cultures. This course satisfies the Arts requirement for Full IB Diploma students.
IB – DIPLOMA PROGRAMME

VISUAL ARTS SL/HL YR1 IB
VISUAL ARTS SL YR2 IB
VISUAL ARTS HL YR2 IB

School(s): Huron

Course #: IB719100, IB719101, IB719102
Grade(s): 11, 12

Duration: 1 year each
(2 year course)

Credit/Term: 1.0 per year
Meets Grad Requirements: VPAA
Prerequisite: Art & Design

NCAA Status

This is a two-year course.

Visual Arts SL/HL Yr1 (Grade 11)
The Visual Arts SL/HL Yr1 is the first year of a two-year course that encourages students to challenge their own creative and cultural expectations and boundaries. This course promotes higher order thinking and reflection amongst students, while at the same time developing heightened technical ability in multiple media. In addition to exploring and comparing visual arts from different perspectives and in different contexts, students are expected to experiment with and reflect upon their work in multiple mediums. The course is designed for students who have an interest in post-secondary visual arts as well as those who are interested in developing a lifelong love of the subject. The role of the teacher in this course is to organize their students in a studio environment and provide engaged support for the individual exploration of art. This course satisfies the Arts requirement for Full IB Diploma students.

Visual Arts SL Yr2 (Grade 12)
Visual Arts SL Yr2 (IB) is the second year of a two-year course that encourages students to challenge their own creative and cultural expectations and boundaries. This course promotes higher order thinking and reflection amongst students, while at the same time developing heightened technical ability in multiple media. In addition to exploring and comparing visual arts from different perspectives and in different contexts, students are expected to experiment with and reflect upon their work in multiple mediums. The course is designed for students who have an interest in post-secondary visual arts as well as those who are interested in developing a lifelong love of the subject. The role of the teacher in this course is to organize their students in a studio environment and provide engaged support for the individual exploration of art. This course satisfies the Arts requirement for Full IB Diploma students.

Visual Arts HL Yr2 (Grade 12)
Visual Arts HL Yr2 (IB) is the second year of a two-year course that encourages students to challenge their own creative and cultural expectations and boundaries. This course promotes higher order thinking and reflection amongst students, while at the same time developing heightened technical ability in multiple media. In addition to exploring and comparing visual arts from different perspectives and in different contexts, students are expected to experiment with and reflect upon their work in multiple mediums. The course is designed for students who have an interest in post-secondary visual arts as well as those who are interested in developing a lifelong love of the subject. The role of the teacher in this course is to organize their students in a studio environment and provide engaged support for the individual exploration of art. This course satisfies the Arts requirement for Full IB Diploma students.

Course offerings are subject to sufficient enrollment; course offerings and descriptions are subject to change.
Ann Arbor Public Schools
2020-2021 High School Course Guide
Mathematics Course Requirements

During grades 9-12, each student must earn 4 credits by completing a four-year mathematics sequence. Additionally, all students are required to take a mathematics course in their senior year as part of the Michigan’s enhanced graduation requirements. This may be a dual-enrollment course. Specifically, the Michigan Merit Core requires the 4 credits to include:

- Algebra I
- Geometry
- Algebra II
- One additional math or math-related class (math elective)

Students together with their parents/guardians are encouraged to discuss options/recommendations from the student’s mathematics teacher and counselor in order to develop a plan of action to assure success. Through open communication, a “best program” can be decided collaboratively whereby the student can experience the enjoyment of a challenge and the confidence and pride of success in their mathematics ability.

TYPICAL MATHEMATICS SEQUENCES

*Students may change levels when appropriate*

Community, Pathways, Huron, Pioneer, Skyline

<table>
<thead>
<tr>
<th>GRADE 8</th>
<th>GRADE 9</th>
<th>GRADE 10</th>
<th>GRADE 11</th>
<th>GRADE 12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade 8 Math</td>
<td>Algebra I</td>
<td>Geometry</td>
<td>Algebra II Option to move to (A), (B), or (E)</td>
<td>(A) Math, Senior Advanced</td>
</tr>
<tr>
<td></td>
<td>Algebra I, Intensified</td>
<td>Geometry</td>
<td></td>
<td>(B) Precalculus</td>
</tr>
<tr>
<td>Algebra I AC</td>
<td>Geometry</td>
<td>Algebra II Option to move to J or K</td>
<td>(J) Precalculus Option to move to (E), (C), or (F)</td>
<td>(C) Calculus, AB, AP</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(K) Math, Senior Advanced Option to move to (E)</td>
<td>(D) Calculus, BC, A</td>
</tr>
<tr>
<td>Algebra I AC</td>
<td>Geometry AC</td>
<td>Algebra II AC</td>
<td>Precalculus Option to move to (C), (E), or (F)</td>
<td>(E) Mathematics / CTE Electives</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Precalculus AC Option to move to (C), (D), (E), or (F)</td>
<td>(F) Statistics AP</td>
</tr>
</tbody>
</table>
### MATHEMATICS ELECTIVES FOR ALL HIGH SCHOOLS

**MATHEMATICS ELECTIVES**
- Math, Senior Advanced
- Calculus
- Calculus AB, AP
- Calculus BC, AP
- Computer Science Principles
- Computer Science A, AP
- Computer Science Principles, AP
- Computer Science: Programming in Swift
- Finance & Statistics
- Math Analytical Thinking
- Precalculus
- Precalculus, AC
- Statistics
- Statistics, AP

**CTE ELECTIVES**
- Accounting I & II (.5 credit each)
- Auto Service Technology I & II (.5 credit each)
- Engineering Design (.5 credit)
- Homebuilding (1.0 credit)
- Hospitality Today (1.0 credit)
- Personal Finance I & II (.5 credit each)
- Principles of Engineering (.5 credit)

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### Huron

<table>
<thead>
<tr>
<th>8th</th>
<th>9th</th>
<th>10th</th>
<th>11 &amp; 12th (Class of 2021 and beyond)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade 8 Math</td>
<td>Algebra I</td>
<td>Geometry</td>
<td>Math Applications &amp; Interpretation SL year 1 and 2</td>
</tr>
<tr>
<td></td>
<td>Algebra I, Intensified</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Algebra I AC</td>
<td>Geometry (C/D grade in Algebra AC)</td>
<td>Algebra II</td>
<td>Math Applications &amp; Interpretation SL year 1 and 2 OR Math Analysis &amp; Approaches SL year 1 and 2</td>
</tr>
<tr>
<td>Algebra I AC</td>
<td>Geometry AC</td>
<td>Algebra II AC</td>
<td>Math Analysis &amp; Approaches SL year 1 and 2 OR Math Applications &amp; Interpretation HL year 1 and 2</td>
</tr>
<tr>
<td>Geometry AC</td>
<td>Algebra II AC</td>
<td>Precalculus</td>
<td>Math Applications &amp; Interpretation HL year 1 and 2 OR Math Analysis &amp; Approaches HL year 1 and 2</td>
</tr>
<tr>
<td>Geometry AC</td>
<td>Algebra II AC</td>
<td>Precalculus AC</td>
<td>Math Applications &amp; Interpretation HL year 1 and 2 OR Math Analysis &amp; Approaches HL year 1 and 2</td>
</tr>
</tbody>
</table>

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Ann Arbor Public Schools

2020-2021 High School Course Guide

89
### ALGEBRA I, INTENSIFIED P1

#### Course #:
- 301055
- 301056, 301057, 301058
- 301051
- 301052, 301053, 301054

**School(s):** Huron, Pathways, Pioneer, Skyline

**Grade(s):** 9, 10, 11

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year</td>
<td>1.0</td>
<td>Algebra 1 (1.0) or Math Elective (1.0)</td>
<td>None</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

Algebra I Intensified uses an asset based approach that builds on students’ strengths and helps students to develop academic skills and math-identities by engaging them in the learning experience. The program is designed to help struggling students succeed in catching up to their peers, equipping them to be successful in Algebra I and their future mathematics and science courses.

This course is a two-hour block class.

### ALGEBRA I

#### ALGEBRA I (A)

#### ALGEBRA I (B)

- Course #: 301011
- 301012, 301013

**School(s):** Community, Huron, Pathways, Pioneer

**Grade(s):** 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Terms</td>
<td>0.5</td>
<td>Algebra I</td>
<td>None</td>
<td>APPROVED</td>
</tr>
<tr>
<td>3 Terms-Pathways</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

This is a comprehensive first-year algebra course that follows the K-12 Michigan Standards: Mathematics. The course focuses on the real number system, expressions, equations, inequalities, functions, systems of equations and inequalities, linear, exponential, and quadratic relationships, polynomials and descriptive statistics.

Upon successful completion of Algebra I, students typically elect Geometry.

### ALGEBRA I IB

- Course #: IB301011

**School(s):** Huron

**Grade(s):** 9

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year</td>
<td>0.5</td>
<td>Algebra I</td>
<td>None</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

Algebra I (IB) is intended to help students develop their understanding of the fundamental concepts of mathematics. The course will cover all of the mathematics standards adopted by the State of Michigan. This course is intended for 9th grade students. It will serve as an introductory class that will prepare students for upper level mathematics courses and will meet the State of Michigan graduation requirement for Algebra I. The performance expectations of the course will focus on mathematical practices such as; making sense of problems and persevering to solve them, reasoning abstractly and quantitatively, critiquing the reasoning of others, developing and using models, attending to precision, and making use of structure. explanations.
## MATHMATICS

### ALGEBRA I - 1/3
### ALGEBRA I - 2/3
### ALGEBRA I - 3/3

<table>
<thead>
<tr>
<th>Course #</th>
<th>Grade(s)</th>
<th>School(s)</th>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
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<tbody>
<tr>
<td>301045, 301046, 301047</td>
<td>9</td>
<td>Skyline</td>
<td>3 Terms</td>
<td>1/3 credit</td>
<td>Algebra I</td>
<td>Teacher recommendation</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

This three term course covers the same topics as Algebra I, above.

Upon successful completion of this course, students typically elect Geometry 1/3, 2/3, 3/3.

### ALGEBRA II
### ALGEBRA II (A)
### ALGEBRA II (B)

<table>
<thead>
<tr>
<th>Course #</th>
<th>Grade(s)</th>
<th>School(s)</th>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>301021, 301026</td>
<td>10, 11, 12</td>
<td>Community, Huron, Pathways, Pioneer, Skyline</td>
<td>2 Terms</td>
<td>0.5</td>
<td>Algebra II</td>
<td>Geometry</td>
<td>APPROVED</td>
</tr>
<tr>
<td>301025, 301026</td>
<td>10, 11, 12</td>
<td>Community, Huron, Pathways, Pioneer, Skyline</td>
<td>3 Terms -Pathways</td>
<td>0.5</td>
<td>Algebra II</td>
<td>Geometry</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

This is an advanced algebra course which includes number systems, review of linear sentences, polynomials, rational expressions, systems of equations and inequalities, introduction to functions, coordinate geometry, exponents, logarithms, trigonometry, conic sections, graphing calculator usage, and some theory of equations, sequences, probability, and statistics.

Upon successful completion of this course, students typically elect Senior Advanced Mathematics or Pre Calculus.

### ALGEBRA II IB

<table>
<thead>
<tr>
<th>Course #</th>
<th>Grade(s)</th>
<th>School(s)</th>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>IB301021</td>
<td>10</td>
<td>Huron</td>
<td>Year</td>
<td>0.5</td>
<td>Algebra II</td>
<td>Geometry</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

Algebra II (IB) is an advanced algebra course which includes number systems, review of linear sentences, polynomials, rational expressions, systems of equations and inequalities, introduction to functions, coordinate geometry, exponents, logarithms, trigonometry, conic sections, graphing calculator usage, and some theory of equations, sequences, probability, and statistics.

### ALGEBRA II - 1/3
### ALGEBRA II - 2/3
### ALGEBRA II - 3/3

<table>
<thead>
<tr>
<th>Course #</th>
<th>Grade(s)</th>
<th>School(s)</th>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>301031, 301032, 301033</td>
<td>11, 12</td>
<td>Skyline</td>
<td>3 Terms</td>
<td>1/3 credit</td>
<td>Algebra II</td>
<td>Geometry or equivalent</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

This three term advanced algebra course covers the same topics as Algebra II, above.

Upon successful completion of this course, students typically elect Senior Advanced Mathematics.
### ALGEBRA II AC

**Course #**: 301022, 301023, 301024  
**Grade(s)**: 10  
**School(s)**: Huron, Pioneer, Skyline

<table>
<thead>
<tr>
<th>Duration: 2 Terms</th>
<th>Credit/Term: 0.5</th>
<th>Meets Grad Requirements: Algebra II</th>
<th>Prerequisite: Geometry AC</th>
<th>NCAA Status: APPROVED</th>
</tr>
</thead>
</table>

This course is designed for students with above average interest in mathematics who plan to study college calculus in high school. Algebra II AC is more theoretical than previous mathematics courses and covers polynomial, rational, exponential, logarithmic, radical, and circular functions; probability; sequences and series; trigonometric identities; introduction to matrices; and graphing calculator usage.

Upon successful completion of this course, students may elect Precalculus or Precalculus AC.

### ALGEBRA II AC IB

**Course #**: IB301011  
**Grade(s)**: 9, 10, 11, 12  
**School(s)**: Huron

<table>
<thead>
<tr>
<th>Duration: 2 Semesters</th>
<th>Credit/Term: 0.5</th>
<th>Meets Grad Requirements: Algebra II</th>
<th>Prerequisite: Geometry AC</th>
<th>NCAA Status: APPROVED</th>
</tr>
</thead>
</table>

Algebra II AC IB is an advanced algebra course which includes number systems, review of linear sentences, polynomials, rational expressions, systems of equations and inequalities, introduction to functions, coordinate geometry, exponents, logarithms, trigonometry, conic sections, graphing calculator usage, and some theory of equations, sequences, probability, and statistics. This course is designed for students with above average interest in mathematics who plan to study college calculus in high school.

### CALCULUS

**Course #**: 305011  
**Grade(s)**: 9, 10, 11, 12  
**School(s)**: Community

<table>
<thead>
<tr>
<th>Duration: 2 Terms</th>
<th>Credit/Term: 0.5</th>
<th>Meets Grad Requirements: Math Elective</th>
<th>Prerequisite: Precalculus (Math Analysis)</th>
<th>NCAA Status: APPROVED</th>
</tr>
</thead>
</table>

Building upon a strong foundation of advanced algebra, trigonometry and analytic geometry, this yearlong sophisticated Mathematics course pulls together prior skills into developing a complex understanding of curves, rotations and their graphs. Calculus topics include differentiation and integration of both definite and indefinite integrals. Through these processes we explore sophisticated models of acceleration and other applications in physics and engineering.

Students who elect to meet outside of class-time may register and take the Advanced Placement (AP) Calculus exam for college credit.

### CALCULUS AB, AP

**Course #**: 305021, 305024, 305025, 305026  
**Grade(s)**: 11, 12  
**School(s)**: Huron, Pioneer, *Skyline

<table>
<thead>
<tr>
<th>Duration: 2 Terms</th>
<th>Credit/Term: 0.5</th>
<th>Meets Grad Requirements: Math Elective</th>
<th>Prerequisite: Precalculus or Precalculus AC</th>
<th>NCAA Status: APPROVED</th>
</tr>
</thead>
</table>

This course includes topics normally found in a college-level Calculus I and Analytic Geometry courses: limits, derivatives, integrals and their applications.

This course has preparation for the Advanced Placement examination, for college credit, as one of its objectives. However, students electing the course are not obligated to take the examination. AP testing occurs in May.

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Course offerings are subject to sufficient enrollment; course offerings and descriptions are subject to change.

Ann Arbor Public Schools  
2020-2021 High School Course Guide
CALCULUS BC, AP

School(s): Huron, Pioneer, *Skyline

Course #: 305022, 305027, 305028, 305029

Grade(s): 12

Duration: 2 Terms

Credit/Term: 0.5

Meets Grad Requirements: Math Elective

Prerequisite: Precalculus AC

NCAA Status: APPROVED

This rigorous course is designed to include all the topics outlined by the College Entrance Examination Board for the BC Calculus Advanced Placement Examination. Topics include all those topics typically found in the first two courses (terms) of college Calculus.

This course has preparation for the Advanced Placement examination, for college credit, as one of its objectives. However, students electing the course are not obligated to take the examination. AP testing occurs in May.

COMPUTER SCIENCE A, AP

School(s): Community, Huron, Pioneer, *Skyline

Course #: 303012, 614062, 614047, 614048, 614049, 614050, 303014, 303015

Grade(s): 11, 12

Duration: 2 Terms

Credit/Term: 0.5

Meets Grad Requirements: Math Elective

Prerequisite: Suggested: Geometry; Algebra II; Ability to write programs in Java or have taken Computer Science Course

NCAA Status: APPROVED

This course is meant to build upon the skills developed in the Computer Science Principles course. Using primarily the Java programming language as tested by the College Board on the Advanced Placement Test, students will experience a rigorous exploration of the theory and associated techniques of object-oriented computer programming. Topics will include: 1) The history and development of the object-oriented approach to computer software engineering; 2) How to utilize the object-oriented aspects of a programming language to achieve its full potential as a programming tool; 3) Conditional, looping, arrays, sorting and searching, recursion, and algorithm complexity are covered; 4) Future developments in object-oriented programming languages and computer programming in general. Other languages and environments may be included as well. Significant out-of-class programming time should be expected.

This course has preparation for the Advanced Placement examination, for college credit, as one of its objectives. However, students electing the course are not obligated to take the examination. AP testing occurs in May.
COMPUTER SCIENCE PRINCIPLES

School(s): Community, Huron, Pathways, *Skyline

Course #:
614040
614043, 604044

Grade(s): 9, 10, 11, 12

Duration: 2 terms
*3 terms

Credit/Term 0.5

Meets Grad Requirements Math Elective

Prerequisite: Successful completion of Algebra I

NCAA Status APPROVED

Computer Science Principles (CSP) introduces the student to the essential ideas of computer science and shows how computing and technology can influence the world around them. The student can pursue interests in digital projects -- like apps, films, games or music -- that showcase creativity, and use creations to make a difference in your community. The course is designed to be equivalent to a first semester introductory college computing course.

Utilizing the concept of computational thinking as a unifying theme, topics covered in this class are the “Seven Big Ideas” of Computer Science and include: Creativity, Abstraction, Data & Information, Algorithms, Programming, the Internet and Global Impact of computing. Approximately 50% of the course will be learning to program in programming languages such as JavaScript, Python, etc.

COMPUTER SCIENCE PRINCIPLES, AP

School(s): Huron, Pioneer, *Skyline

Course #:
614063
614049, 614050

Grade(s): 9, 10, 11, 12

Duration: 2 terms
*3 terms

Credit/Term 0.5

Meets Grad Requirements Math Elective

Prerequisite: Should have taken and passed Algebra I

NCAA Status APPROVED

Computer Science Principles, AP (CSP AP) introduces the student to the essential ideas of computer science and shows how computing and technology can influence the world around them. The student can pursue interests in digital projects -- like apps, films, games or music -- that showcase creativity, and use creations to make a difference in your community. The course is designed to be equivalent to a first-semester introductory college computing course. This is a good course to introduce yourself to the AP experience.

Utilizing the concept of computational thinking as a unifying theme, topics covered in this class are the “Seven Big Ideas” of Computer Science and include: Creativity, Abstraction, Data & Information, Algorithms, Programming, the Internet and Global Impact of computing. Approximately 50% of the course will be learning to program in programming languages such as JavaScript, Python, etc.

This course has preparation for the Advanced Placement examination, for college credit, as one of its objectives. However, students electing the course are not obligated to take the examination. AP testing occurs in May.

Course offerings are subject to sufficient enrollment; course offerings and descriptions are subject to change.
Computer Science SL/HL Yr1 IB
Computer Science SL Yr2 IB
Computer Science HL Yr2 IB

School(s): Huron

Course #:
IB309400, IB309401, IB309402

Grade(s): 11, 12

Duration: Year each
Credit/Term: 0.5
Meets Grad Requirements: Math Elective
Prerequisite:
Successful completion of Algebra I
NCAA Status: APPROVED

Computer Science SL/HL Yr1 (Grade 11)
Computer Science SL/HL Yr1 is the first year of a two-year course that encourages the exploration of the fundamental concepts of computational thinking as well as knowledge of how computers and other digital devices operate. IBCS is engaging, accessible, inspiring and rigorous. It has the following characteristics. As part of the course, students will be enabled and empowered to develop innovation, exploration and the acquisition of further knowledge. The curriculum will present opportunities to explore and discuss how technology interacts and influences cultures, societies both at the collective and individual level.

Computational thinking - the ability to think procedurally, logically, concurrently, abstractly, recursively and think ahead - is woven throughout the course. The course itself utilizes an experimental and inquiry-based approach to problem-solving where students develop computational solutions to problems by developing algorithms (and express them clearly) and appreciate how theoretical and practical limitations affect the extent to which problems can be solved computationally. The abilities of identifying a problem (or unanswered question), design, prototype and test a proposed solution and ultimately liaise with clients to evaluate the success of the proposed solution and make recommendations for future developments are also developed throughout the course as part of the design cycle. This course satisfies the Sciences requirement for Full IB Diploma students.

Computer Science SL Yr2 (Grade 12)
Computer Science SL Yr2 (IB) is the second year of a two-year course. The course encourages the exploration of the fundamental concepts of computational thinking as well as knowledge of how computers and other digital devices operate. IBCS is engaging, accessible, inspiring and rigorous. It has the following characteristics. As part of the course, students will be enabled and empowered to develop innovation, exploration and the acquisition of further knowledge. The curriculum will present opportunities to explore and discuss how technology interacts and influences cultures, societies both at the collective and individual level.

Computational thinking - the ability to think procedurally, logically, concurrently, abstractly, recursively and think ahead - is woven throughout the course. The course itself utilizes an experimental and inquiry-based approach to problem-solving where students develop computational solutions to problems by developing algorithms (and express them clearly) and appreciate how theoretical and practical limitations affect the extent to which problems can be solved computationally. The abilities of identifying a problem (or unanswered question), design, prototype and test a proposed solution and ultimately liaise with clients to evaluate the success of the proposed solution and make recommendations for future developments are also developed throughout the course as part of the design cycle. This course satisfies the Sciences requirement for Full IB Diploma students.

Computer Science HL Yr2 (Grade 12)
Computer Science HL Yr2 (IB) is the second year of a two-year course that encourages the exploration of the fundamental concepts of computational thinking as well as knowledge of how computers and other digital devices operate. IBCS is engaging, accessible, inspiring and rigorous. It has the following characteristics. As part of the course, students will be enabled and empowered to develop innovation, exploration and the acquisition of further knowledge. The curriculum will present opportunities to explore and discuss how technology interacts and influences cultures, societies both at the collective and individual level.

Computational thinking - the ability to think procedurally, logically, concurrently, abstractly, recursively and think ahead - is woven throughout the course. The course itself utilizes an experimental and inquiry-based approach to problem-solving where students develop computational solutions to problems by developing algorithms (and express them clearly) and appreciate how theoretical and practical limitations affect the extent to which problems can be solved computationally. The abilities of identifying a problem (or unanswered question), design, prototype and test a proposed solution and ultimately liaise with clients to evaluate the success of the proposed solution and make recommendations for future developments are also developed throughout the course as part of the design cycle. This course satisfies the Sciences requirement for Full IB Diploma students.
### COMPUTER SCIENCE: PROGRAMMING IN SWIFT

**School(s):** Community, Huron, Pathways, Pioneer, Skyline  
**Course #:** 303040  
**303041, 303042**  
**Grade(s):** 10, 11, 12  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** Math Elective  
**Prerequisite:** Computer Science Principles or equivalent programming experience  
**NCAA Status:** APPROVED

Learn to create professional-quality apps for iOS and Android devices. Topics include iOS programming with Apple's new app language Swift, navigation and workflows, tables and storing data, interacting with the Web, prototyping and project planning; and Android programming with MIT App Inventor and Android Studio. Computer Science Principles or equivalent programming experience required.

### FINANCE AND STATISTICS

**School(s):** Community  
**Course #:** 304026  
**Grade(s):** 12  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** Math Elective  
**Prerequisite:** Algebra II  
**NCAA Status:**

This 12th grade class will be intended for students who prefer real world applications in the area of finance and statistics rather than applications using the traditional calculus courses. The curriculum will emphasize number sense, consumer problem solving, decision making, and statistics. Throughout the course, students will develop valuable skills that will allow them to make informed decisions. The curriculum will emphasize and address consumer decisions, wages and salaries, personal banking, income and debt analysis, financial management, career exploration, home and auto ownership, investments, taxation, government finance, as well as more traditional topics such as probability and statistics.

### GEOMETRY

**School(s):** All High Schools  
**Course #:** 302011  
**302013, 302014**  
**Grade(s):** 9, 10, 11  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** Geometry  
**Prerequisite:** Algebra I or equivalent  
**NCAA Status:** APPROVED

This course integrates the basic concepts of plane and solid geometry, introduces logic, proof, constructions, and trigonometry, and strengthens algebra skills.

Upon successful completion of this course, students typically elect Algebra II.

### GEOMETRY IB

**School(s):** Huron  
**Course #:** IB302011  
**Grade(s):** 9, 10  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** Mathematics  
**Prerequisite:** Algebra I  
**NCAA Status:** APPROVED

Geometry (IB) is intended to help students develop their understanding of the fundamental concepts of geometry. The course will cover all of the geometry related mathematics standards found in the K-12 Michigan Standards: Mathematics. This course is intended for 9th or 10th grade students and follows the Algebra I class from 8th or 9th grade. It will meet the State of Michigan geometry graduation requirement. The performance expectations of the course will focus on mathematical practices such as using mathematical language and thinking, computational thinking, developing proofs and constructing explanations. The topics of the course will cover the language of geometry, congruent triangles and relationships within triangles, similar triangles and right triangle trigonometry, relationships within the plane, circles, and relationships in space.
GEOMETRY - 1/3
GEOMETRY - 2/3
GEOMETRY - 3/3

Course #: 302020, 302021, 302022
Grade(s): 10, 11

Duration: 3 Terms
Credit/Term: 1/3 credit
Meets Grad Requirements: Geometry
Prerequisite: Algebra I or equivalent
NCAA Status: APPROVED

This three term course covers the same topics as Geometry, above.

Upon successful completion of this course, students typically elect Algebra II.

GEOMETRY AC

Course #: 302012, 302015, 302016
Grade(s): 9

Duration: 2 Terms
Credit/Term: 0.5
Meets Grad Requirements: Geometry
Prerequisite: Algebra I or equivalent; and teacher recommendation
NCAA Status: APPROVED

This course integrates the basic concepts of plane and solid geometry, introduces logic and trigonometry, and strengthens algebra skills. It is designed to include all of the topics normally taught in Geometry but in greater depth and a more intensive pace.

Upon successful completion of this course, students typically elect Algebra II AC.

GEOMETRY AC IB

Course #: IB302012
Grade(s): 9, 10

Duration: 2 Semesters
Credit/Term: 0.5
Meets Grad Requirements: Geometry
Prerequisite: Algebra I
NCAA Status: APPROVED

Geometry AC IB is intended to help students develop their understanding of the fundamental concepts of geometry. The course will cover all of the geometry related mathematics standards found in the Common Core State Standards. This course is intended for 9th or 10th grade students and follows the Algebra I class from 8th or 9th grade. It will meet the State of Michigan geometry graduation requirement. The performance expectations of the course will focus on mathematical practices such as using mathematical language and thinking, computational thinking, developing proofs and constructing explanations. The topics of the course will cover the language of geometry, congruent triangles and relationships within triangles, similar triangles and right triangle trigonometry, relationships within the plane, circles, and relationships in space. It is designed to include all of the topics normally taught in Geometry but in greater depth and a more intensive pace.
# MATHEMATICS

## MATH ANALYSIS AND APPROACHES SL YR1 IB
### Math Analysis and Approaches SL Yr1
The Analysis and Approaches SL (Yr 1) is the first year of a two year course that focuses on analytic methods with an emphasis on calculus - appropriate for pure mathematicians, engineers, scientists, economists, those with an interest in analytic methods. Content of the course includes work in number and algebra, functions, geometry and trigonometry, statistics and probability, and calculus. The subject is aimed at students who will go on to study subjects with substantial mathematics content such as mathematics itself, engineering, physical sciences, or some economics courses. The internally assessed exploration allows students to develop independence in mathematical learning.

Students are encouraged to take a considered approach to various mathematical activities and to explore different mathematical ideas. The exploration also allows students to work without the time constraints of a written examination and to develop the skills they need for communicating mathematical ideas. This course satisfies the Mathematics requirement for Full IB Diploma students.

### MATH ANALYSIS AND APPROACHES SL YR2 IB
### Math Analysis and Approaches SL Yr2
This course will build upon the content of the Yr. 1 course. The Analysis and Approaches SL (Yr 2) is the second year of a two year course that focuses on analytic methods with an emphasis on calculus and statistics - appropriate for pure mathematicians, engineers, scientists, economists, those with an interest in analytic methods. Content of the course includes work in number and algebra, functions, geometry and trigonometry, statistics and probability, and calculus. The subject is aimed at students who will go on to study subjects with substantial mathematics content such as mathematics itself, engineering, physical sciences, or some economics courses. Students will be engaged in an internal and external assessment during year 2 of the course. The internally assessed exploration allows students to develop independence in mathematical learning. Students are encouraged to take a considered approach to various mathematical activities and to explore different mathematical ideas. The exploration also allows students to work without the time constraints of a written examination and to develop the skills they need for communicating mathematical ideas. This course satisfies the Mathematics requirement for Full IB Diploma students.

## MATH ANALYSIS AND APPROACHES HL YR1 IB
### Math Analysis and Approaches HL Yr1
The Analysis and Approaches HL (Yr. 1) is the first year of a two-year course that focuses on analytic methods with an emphasis on calculus - appropriate for pure mathematicians, engineers, scientists, economists, those with an interest in analytic methods. Content of the course includes work in number and algebra, functions, geometry and trigonometry, statistics and probability, and calculus. The subject is aimed at students who will go on to study subjects with substantial mathematics content such as mathematics itself, engineering, physical sciences, or some economics courses. The internally assessed exploration allows students to develop independence in mathematical learning. Students are encouraged to take a considered approach to various mathematical activities and to explore different mathematical ideas. The exploration also allows students to work without the time constraints of a written examination and to develop the skills they need for communicating mathematical ideas. This course satisfies the Mathematics requirement for Full IB Diploma students.

### MATH ANALYSIS AND APPROACHES HL YR2 IB
### Math Analysis and Approaches HL Yr2
This course will build upon the content of the Yr. 1 course. Analysis and Approaches HL (Yr. 2) is the second year of a two-year course that focuses on analytic methods with an emphasis on statistics - appropriate for pure mathematicians, engineers, scientists, economists, those with an interest in analytic methods. Content of the course includes work in number and algebra, functions, geometry and trigonometry, statistics and probability, and calculus. The subject is aimed at students who will go on to study subjects with substantial mathematics content such as mathematics itself, engineering, physical sciences, or some economics courses. Students will be engaged in an internal and external assessment during year 2 of this course. The internally assessed exploration allows students to develop independence in mathematical learning. Students are encouraged to take a considered approach to various mathematical activities and to explore different mathematical ideas. The exploration also allows students to work without the time constraints of a written examination and to develop the skills they need for communicating mathematical ideas. This course satisfies the Mathematics requirement for Full IB Diploma students.
### Math Applications and Interpretation SL Yr1

The Applications and Interpretation SL (Yr. 1) is the first year of a two year course that focuses on Applications and Interpretation with an emphasis on statistics, modeling with linear functions, geometry in 2D and 3D space, and use of technology - appropriate for those with an interest in the applications of mathematics and how technology can support this. This subject is aimed at students who will go on to study subjects such as social sciences, natural sciences, medicine, statistics, business, some economics course, psychology, and design. The internally assessed exploration allows students to develop independence in mathematical learning. Students are encouraged to take a considered approach to various mathematical activities and to explore different mathematical ideas. The exploration also allows students to work without the time constraints of a written examination and to develop the skills they need for communicating mathematical ideas.

This course satisfies the Mathematics requirement for Full IB Diploma students.

### Math Applications and Interpretation SL Yr2

The Applications and Interpretation SL (Yr. 2) is the second year of a two year course that focuses on Applications and Interpretation with an emphasis on power and trigonometric functions, differential calculus, integration, and use of technology - appropriate for those with an interest in the applications of mathematics and how technology can support this. Students will be engaged in an internal and external assessment during year 2 of the course. The internally assessed exploration allows students to develop independence in mathematical learning. Students are encouraged to take a considered approach to various mathematical activities and to explore different mathematical ideas. The exploration also allows students to work without the time constraints of a written examination and to develop the skills they need for communicating mathematical ideas.

Completion of both years of this course satisfies the Mathematics requirement for Full IB Diploma students.

### Math Applications and Interpretation HL Yr1

Applications and Interpretation HL (Yr. 1) is the first year of a two year course that focuses on Applications and Interpretation with an emphasis on statistics, modeling, and use of technology. This course is appropriate for those with an interest in the applications of mathematics and how technology can support this. This course is aimed at students who will go on to study subjects such as social sciences, natural sciences, medicine, statistics, business, economics, psychology, or design.

Year one of the course focuses on Functions, Trigonometry, Probability and Statistics. Some time will also be allocated to preparing for the internally assessed exploration that will be written in Year two of the course.

Completion of both years of this course satisfies the Mathematics requirement for Full IB Diploma students.

### Math Applications and Interpretation HL Yr2

Year two of the course focuses on Calculus, as well as a culminating internally assessed mathematical exploration. The internally assessed exploration allows students to develop independence in mathematical learning. Students are encouraged to take a considered approach to various mathematical activities and to explore different mathematical ideas. The exploration also allows students to work without the time constraints of a written examination and to develop the skills they need for communicating mathematical ideas.

Completion of both years of this course satisfies the Mathematics requirement for Full IB Diploma students.
### MATH SUPPORT, GENERAL

- **Course #:** 307010
- **School(s):** Community, Pathways
- **Grade(s):** 9, 10, 11, 12
- **Duration:** 1 or 2 Terms
- **Credit/Term:** 0.5
- **Meets Grad Requirements:** General Elective
- **Prerequisite:** Teacher recommendation
- **NCAA Status:** Meets Grad Requirements

The Math Support class will center on building math skills of students enrolled in another math class and will include pre-teaching and re-teaching activities related to topics covered within the their course.

Math support counts as an elective credit and does not contribute toward the mathematics graduation requirement.

### MATHEMATICS, ANALYTICAL THINKING WITH

- **Course #:** 304029
- **School(s):** Skyline, Pathways
- **Grade(s):** 11, 12
- **Duration:** 1 Term
- **Credit/Term:** 0.5
- **Meets Grad Requirements:** Math Elective
- **Prerequisite:** Algebra II
- **NCAA Status:**

Using analytical reasoning to solve problems will answer the question often asked by students throughout their Mathematics careers, "When are we ever going to use this stuff?" During this course students will be introduced to logic problems, puzzles and relevant Mathematical experiences, providing real world applications for the Mathematical foundations the students have built. Skills developed in this course will continue to be applied for years. Analytical/logic puzzles include but are not limited to . . . Hashiwokakero, Slither Link, Sudoku, Nonograms, Light Up, Nurikabe, Dominosa, Shikaku, Chess, Ken-Ken, Logic problems and real world Mathematical investigations.

### MATHEMATICS, SENIOR ADVANCED

- **Course #:** 304011, 304012, 304013
- **School(s):** Huron, Pioneer, Skyline
- **Grade(s):** 11, 12
- **Duration:** 2 Terms
- **Credit/Term:** 0.5
- **Meets Grad Requirements:** General Elective
- **Prerequisite:** Algebra II or equivalent
- **NCAA Status:** APPROVED

Senior Advanced Mathematics bridges the gap between a second year algebra course and a Precalculus course. Topics previously covered in Algebra II are presented in greater depth and breadth, including coordinate geometry, conics, inequalities, functions, sequences and series, trigonometry, logarithms, complex numbers, and probability. Graphing calculators are used throughout the course.

Upon successful completion of this course, students typically elect math elective courses other than Precalculus.

### MENTORING IN MATHEMATICS CLASSROOM

- **Course #:** 307021
- **School(s):** All High Schools
- **Grade(s):** 11, 12
- **Duration:** 1 Term
- **Credit/Term:** 0.5
- **Meets Grad Requirements:** General Elective
- **Prerequisite:** None
- **NCAA Status:** None

This elective course is designed for students of junior/senior standing who have a desire to support other students in learning mathematics, primarily Algebra 1, Geometry, Algebra 2 and in Academic Support classrooms. Mentors will attend one (or more) of these classrooms daily to provide encouragement and tutoring to students. Mentors are also expected to be available to tutor students in the lunchtime Mathematics Tutor Center once a week. Students will receive training on strategies to implement successful mentoring practices.
This course is designed for students with above average interest in Mathematics who are preparing for Calculus. Strong algebra skills are a must for taking on complicated operations with polynomial and rational functions. The course includes thorough investigation of intercepts, asymptotes, and transformations, as well as sequences and series, conic sections, matrices, exponential and logarithmic functions, vectors, trigonometric identities, and limits. Polar coordinates and parametric equations are introduced.

Students who have taken Algebra II and plan to take Calculus should take Precalculus or Precalculus AC. Juniors who have taken Senior Advanced Mathematics may take Precalculus in their senior year.

This course is designed for students with above average interest in Mathematics who plan to take AP Calculus while in high school. This course includes some review of advanced algebra, graphing strategies, sequences and series, probability, matrices and determinants. New topics and extensions include Mathematical induction, polynomial, exponential, logarithmic and circular functions, DeMoivre’s Theorem, vectors, polar graphs, parametric equations, limits and derivatives.

Upon successful completion of this course, students may elect Calculus BC/AP or Calculus AB/AP or a Mathematics elective.

This Statistics Course provides students the opportunity to learn the basics of Introductory College Statistics with the emphasis on true understanding through experimentation and simulation. The four main tenets of exploratory data analysis, sampling and experimentation, anticipation and patterns, and hypothesis testing are examined in detail. Besides gaining statistical knowledge, students are expected to complete projects, examine data via calculators and computers, work collaboratively, and improve their technical writing skills. Every chapter test includes multiple choice questions and free response questions. The students are required to provide complete verbal discussions and explain their analysis in every test. At the end of the course, each student should be aware of the need for quality statistical analysis in every field of study. The danger of the misuse and misunderstanding of statistics is also emphasized.

This course has preparation for the Advanced Placement examination, for college credit, as one of its objectives. However, students electing the course are not obligated to take the examination. AP testing occurs in May.

This course has four major themes: exploratory analysis, planning a study, probability and simulation, and statistical inference. The goal of the course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data

This course has preparation for the Advanced Placement examination, for college credit, as one of its objectives. However, students electing the course are not obligated to take the examination. AP testing occurs in May.

Course offerings are subject to sufficient enrollment; course offerings and descriptions are subject to change.
## AEROBICS, CORE & MORE

<table>
<thead>
<tr>
<th>Course #</th>
<th>813011</th>
<th>School(s): Skyline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade(s)</td>
<td>9, 10, 11, 12</td>
<td></td>
</tr>
</tbody>
</table>

- **Duration:** 1 Term
- **Credit/Term:** 0.5
- **Meets Grad Requirements:**
- **Prerequisite:** None
- **NCAA Status:**

For students from beginner to advanced. A variety of routines with emphasis on low impact, high impact, step and slide aerobics. Special emphasis on muscle toning, cardiovascular endurance and physical conditioning.

This course may be taken more than once.

## CONDITIONING, BASKETBALL I

<table>
<thead>
<tr>
<th>Course #</th>
<th>812011</th>
<th>School(s): Huron, Pioneer, Skyline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade(s)</td>
<td>9, 10, 11, 12</td>
<td></td>
</tr>
</tbody>
</table>

- **Duration:** 1 Term
- **Credit/Term:** 0.5
- **Meets Grad Requirements:**
- **Prerequisite:** None
- **NCAA Status:**

For students from beginner to advanced. This course involves instruction and practice of fundamentals and techniques. Instruction and practice of conditioning activities, drills, officiating concepts, rules of the game, and competition.

## CONDITIONING, BASKETBALL II

<table>
<thead>
<tr>
<th>Course #</th>
<th>812012</th>
<th>School(s): Huron, Pioneer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade(s)</td>
<td>9, 10, 11, 12</td>
<td></td>
</tr>
</tbody>
</table>

- **Duration:** 1 Term
- **Credit/Term:** 0.5
- **Meets Grad Requirements:**
- **Prerequisite:** Basketball Conditioning I; and teacher recommendation
- **NCAA Status:**

For students with advanced skills and knowledge in the game of Basketball. This course involves advanced concepts, techniques, and competitive drills, with an emphasis on conditioning, weight training, and plyometric training.

## CONDITIONING, WEIGHTLIFTING AND

<table>
<thead>
<tr>
<th>Course #</th>
<th>812021</th>
<th>School(s): Huron, Pathways, Pioneer, Skyline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade(s)</td>
<td>9, 10, 11, 12</td>
<td></td>
</tr>
</tbody>
</table>

- **Duration:** 1 Term
- **Credit/Term:** 0.5
- **Meets Grad Requirements:**
- **Prerequisite:** Basketball Conditioning I; and teacher recommendation
- **NCAA Status:**

For students from beginner to advanced. This course is designed to offer opportunities for the student seeking significant progress in strength, quickness, cardiovascular efficiency, and flexibility.

*At Skyline, this course may be taken more than once.

## FIT AND FLEXIBLE

<table>
<thead>
<tr>
<th>Course #</th>
<th>811025</th>
<th>School(s): Community, Skyline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade(s)</td>
<td>9, 10, 11, 12</td>
<td></td>
</tr>
</tbody>
</table>

- **Duration:** 1 Term
- **Credit/Term:** 0.5
- **Meets Grad Requirements:**
- **Prerequisite:** None
- **NCAA Status:**

This is a participation class focused on cardio warm-up, body weight resistance training and significant yoga-inspired flexibility training. Guest instructors, music, free weights, core work and yoga mats are just a few of the things students can look forward to.
### PERSONAL CONDITIONING - FITNESS

**Course #:** 811031  
**School(s):** Community  
**Grade(s):** 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td>Personal Fitness</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

This required course is a departure from sports-oriented physical education classes and a recognition of the importance of lifelong, personal fitness. In the first nine weeks (or second during the 2nd semester), you will learn how to assess your own fitness levels and participate in a conditioning program designed to prepare you to run a 5k or 10k race. In the second nine weeks (or first, during the 2nd semester), the focus is strength training, along with cardio conditioning. The curriculum involves exercise physiology principles and guidelines.

### PERSONAL FITNESS I - CO-ED

**Course #:** 811011  
**School(s):** Pathways  
**Grade(s):** 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td>Personal Fitness</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

This course is designed to meet the needs and abilities of all students. The program is geared to team sports, individual sports, recreational, leisure and lifetime activities. The goal of the program is to develop favorable attitudes and appreciation toward athletics, play, leisure, lifetime activities and healthful living. Understanding game rules and safety, development of physical skills, and making improvements in overall motor fitness levels and cardiovascular fitness are emphasized. Social and emotional outcomes such as cooperation, honesty, dependability, courage, leadership, friendship, sportsmanship and self-confidence are also stressed.

### PERSONAL FITNESS I - CO-ED IB

**Course #:** IB811011  
**School(s):** Huron  
**Grade(s):** 9

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester</td>
<td>0.5</td>
<td>Physical Education</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

The purpose of Introduction to Personal Fitness (IB) is to promote lifelong physical fitness through the International Baccalaureate Programme. This course educates ALL individuals in a comprehensive manner to enhance current levels of fitness through inquiry-based activities. Students will develop their knowledge about nutrition, anatomy, injury prevention, and personal fitness/weight training concepts. Students will incorporate reflection to observe noticeable improvements in their fitness levels thus attaining improved energy, self-confidence, self-awareness, and overall wellness. Additionally, as students engage in various movement activities such as circuit training, yoga, Pilates, or aerobics, characteristics of the IB Learner profile will be enhanced. These qualities include risk-taking, effective communication, balance, caring and global awareness...skills that are important no matter what path life takes you.

### PERSONAL FITNESS I - FEMALE FOCUSED IB

**Course #:** IB811013  
**School(s):** Huron  
**Grade(s):** 9, 10

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester</td>
<td>0.5</td>
<td>Physical Education</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

The purpose of Introduction to Personal Fitness (IB) is to promote lifelong physical fitness through the International Baccalaureate Programme. This course educates ALL individuals in a comprehensive manner to enhance current levels of fitness through inquiry-based activities. Students will develop their knowledge about nutrition, anatomy, injury prevention, and personal fitness/weight training concepts. Students will incorporate reflection to observe noticeable improvements in their fitness levels thus attaining improved energy, self-confidence, self-awareness, and overall wellness. Additionally, as students engage in various movement activities such as circuit training, yoga, Pilates, or aerobics, characteristics of the IB Learner profile will be enhanced. These qualities include risk-taking, effective communication, balance, caring and global awareness...skills that are important no matter what path life takes you.
## Personal Fitness I - Male Focused IB

<table>
<thead>
<tr>
<th>Course #</th>
<th>IB811021</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Duration:</strong></td>
<td>Semester</td>
</tr>
<tr>
<td><strong>Credit/Term:</strong></td>
<td>0.5</td>
</tr>
<tr>
<td><strong>Meets Grad Requirements:</strong></td>
<td>Physical Education</td>
</tr>
<tr>
<td><strong>Prerequisite:</strong></td>
<td>None</td>
</tr>
<tr>
<td><strong>NCAA Status:</strong></td>
<td></td>
</tr>
</tbody>
</table>

The purpose of Introduction to Personal Fitness (IB) is to promote lifelong physical fitness through the International Baccalaureate Programme. This course educates ALL individuals in a comprehensive manner to enhance current levels of fitness through inquiry-based activities. Students will develop their knowledge about nutrition, anatomy, injury prevention, and personal fitness/weight training concepts. Students will incorporate reflection to observe noticeable improvements in their fitness levels thus attaining improved energy, self-confidence, self-awareness, and overall wellness. Additionally, as students engage in various movement activities such as circuit training, yoga, Pilates, or aerobics, characteristics of the IB Learner profile will be enhanced. These qualities include risk-taking, effective communication, balance, caring and global awareness... skills that are important no matter what path life takes you.

## Personal Fitness I - Co-Ed

<table>
<thead>
<tr>
<th>Course #</th>
<th>811011, 811013, 811015</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Duration:</strong></td>
<td>1 Term</td>
</tr>
<tr>
<td><strong>Credit/Term:</strong></td>
<td>0.5</td>
</tr>
<tr>
<td><strong>Meets Grad Requirements:</strong></td>
<td>Personal Fitness</td>
</tr>
<tr>
<td><strong>Prerequisite:</strong></td>
<td>None</td>
</tr>
<tr>
<td><strong>NCAA Status:</strong></td>
<td></td>
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</tbody>
</table>

This required course involves instruction and practice in planning, implementing and evaluating an individualized fitness program. The course will focus on understanding the basic concepts of flexibility, cardiovascular and muscular endurance and strength through instruction and practice. The emphasis of this course will be on lifetime health related fitness.

## Personal Fitness II

<table>
<thead>
<tr>
<th>Course #</th>
<th>811021</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Duration:</strong></td>
<td>1 Term</td>
</tr>
<tr>
<td><strong>Credit/Term:</strong></td>
<td>0.5</td>
</tr>
<tr>
<td><strong>Meets Grad Requirements:</strong></td>
<td>Personal Fitness I</td>
</tr>
<tr>
<td><strong>Prerequisite:</strong></td>
<td>Personal Fitness I</td>
</tr>
<tr>
<td><strong>NCAA Status:</strong></td>
<td></td>
</tr>
</tbody>
</table>

This is a more advanced program of physical training for the student seeking significant progress in strength, quickness, cardiovascular efficiency, and flexibility.

## Personal Fitness II IB

<table>
<thead>
<tr>
<th>Course #</th>
<th>IB811024</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Duration:</strong></td>
<td>1 Term</td>
</tr>
<tr>
<td><strong>Credit/Term:</strong></td>
<td>0.5</td>
</tr>
<tr>
<td><strong>Meets Grad Requirements:</strong></td>
<td>Personal Fitness I IB</td>
</tr>
<tr>
<td><strong>Prerequisite:</strong></td>
<td>Personal Fitness I IB</td>
</tr>
<tr>
<td><strong>NCAA Status:</strong></td>
<td></td>
</tr>
</tbody>
</table>

The purpose of Personal Fitness II is to promote lifelong physical fitness through the International Baccalaureate Programme. This course educates ALL individuals in a comprehensive manner to enhance current levels of fitness through inquiry-based activities. Students will continue to develop their knowledge about nutrition, anatomy, injury prevention, and personal fitness/weight training concepts learned in Personal Fitness I. Students will incorporate reflection to observe noticeable improvements in their fitness levels thus attaining improved energy, self-confidence, self-awareness, and overall wellness. Additionally, as students engage in various movement activities such as circuit training, yoga, Pilates, or aerobics, characteristics of the IB Learner profile will be enhanced. These qualities include risk-taking, effective communication, balance, caring and global awareness... skills that are important no matter what path life takes you.
### PHYSICAL EDUCATION & PEER MENTOR

**Course #:** 818011  
**School(s):** Skyline  
**Grade(s):** 9, 10, 11, 12

**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:**  
**Prerequisite:** None  
**NCAA Status:**

Students will gain practice in planning, implementing and evaluating a variety of weight lifting and conditioning programs. Students will focus on understanding the basic concepts of flexibility, muscular endurance and strength through instruction and practice. This PE class is unique to other PE classes because it is an inclusive PE course in which both students with disabilities and those without will participate. Students are expected to work cohesively to ensure all students benefit from the social, physical and educational aspects of the class.

### SPORTS MEDICINE I

**Course #:** 815011  
**School(s):** Huron, Pioneer, Skyline  
**Grade(s):** 9, 10, 11, 12

**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:**  
**Prerequisite:** None  
**NCAA Status:**

This course provides knowledge and instruction of health occupations in sports. Theory and practical laboratory experiences are offered in the mechanics of sports injuries and preventive/protective measures.

### SPORTS MEDICINE II

**Course #:** 815021  
**School(s):** Huron, Pioneer, Skyline  
**Grade(s):** 9, 10, 11, 12

**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:**  
**Prerequisite:** Sports Medicine I  
**NCAA Status:**

The evaluation of fitness traits and prescriptions; knowledge of nutrition, sports psychology, ergogenic aids, biomechanics, and the diagnosis, treatment, and rehabilitation of sport related injuries.

### SPORTS, LIFETIME I

**Course #:** 814031  
**School(s):** Huron, Pioneer, Skyline  
**Grade(s):** 9, 10, 11, 12

**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:**  
**Prerequisite:** None  
**NCAA Status:**

Instruction and experience in a variety of lifetime leisure sports. Sports may include Frisbee, pickle ball, tennis, golf, disc golf, badminton, table tennis, and volleyball.

*At Skyline, this course may be taken more than once.*

### SPORTS, LIFETIME II

**Course #:** 814032  
**School(s):** Huron, Pioneer, Skyline  
**Grade(s):** 9, 10, 11, 12

**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:**  
**Prerequisite:** Lifetime Sports I  
**NCAA Status:**

Competition and advanced techniques for students who have completed Lifetime Sports I.

*At Skyline, this course may be taken more than once.*

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Course offerings are subject to sufficient enrollment; course offerings and descriptions are subject to change.
Ann Arbor Public Schools  
2020-2021 High School Course Guide  
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### PHYSICAL EDUCATION

#### SPORTS, TEAM I

<table>
<thead>
<tr>
<th>Course #</th>
<th>814041</th>
</tr>
</thead>
<tbody>
<tr>
<td>School(s)</td>
<td>Huron, Pathways, Pioneer, *Skyline</td>
</tr>
<tr>
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<td>9, 10, 11, 12</td>
</tr>
<tr>
<td>Duration</td>
<td>1 Term</td>
</tr>
<tr>
<td>Credit/Term</td>
<td>0.5</td>
</tr>
<tr>
<td>Meets Grad Requirements</td>
<td>None</td>
</tr>
<tr>
<td>Prerequisite</td>
<td>None</td>
</tr>
<tr>
<td>NCAA Status</td>
<td>None</td>
</tr>
</tbody>
</table>

Instruction, drills, and competition in traditional sports such as football, soccer, cardioball, basketball, volleyball, floor hockey, etc.

*At Skyline, this course may be taken more than once.

#### SPORTS, TEAM II

<table>
<thead>
<tr>
<th>Course #</th>
<th>814042</th>
</tr>
</thead>
<tbody>
<tr>
<td>School(s)</td>
<td>Huron, Pioneer, Skyline</td>
</tr>
<tr>
<td>Grade(s)</td>
<td>9, 10, 11, 12</td>
</tr>
<tr>
<td>Duration</td>
<td>1 Term</td>
</tr>
<tr>
<td>Credit/Term</td>
<td>0.5</td>
</tr>
<tr>
<td>Meets Grad Requirements</td>
<td>None</td>
</tr>
<tr>
<td>Prerequisite</td>
<td>Team Sports I</td>
</tr>
<tr>
<td>NCAA Status</td>
<td>None</td>
</tr>
</tbody>
</table>

Instruction, drills and competition in seasonal sports such as volleyball, basketball, track, softball, floor hockey, cardioball, team handball, flag football, etc.

#### STEP UP TO FITNESS/AEROBIC FITNESS

<table>
<thead>
<tr>
<th>Course #</th>
<th>811032</th>
</tr>
</thead>
<tbody>
<tr>
<td>School(s)</td>
<td>Community</td>
</tr>
<tr>
<td>Grade(s)</td>
<td>9, 10, 11, 12</td>
</tr>
<tr>
<td>Duration</td>
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</tr>
<tr>
<td>Credit/Term</td>
<td>0.5</td>
</tr>
<tr>
<td>Meets Grad Requirements</td>
<td>Personal Fitness</td>
</tr>
<tr>
<td>Prerequisite</td>
<td>None</td>
</tr>
<tr>
<td>NCAA Status</td>
<td>None</td>
</tr>
</tbody>
</table>

This aerobic class utilizes 'steps' in combination with various types of music and movement combinations to attain a cardiovascular workout. In addition to the cardio portion of class, students will work with weights for strength and endurance training. This workout will help trim and recondition the body while providing excellent starting or continuing fitness program. Incorporated into the class is also yoga exercises, flexibility training and relaxation techniques. No prior dance or exercise experience is required. Exercise clothes and aerobic shoes are required.

#### SWIMMING I - CO-ED

<table>
<thead>
<tr>
<th>Course #</th>
<th>816011, 816012, 816013</th>
</tr>
</thead>
<tbody>
<tr>
<td>School(s)</td>
<td>Huron, Pioneer, *Skyline</td>
</tr>
<tr>
<td>Grade(s)</td>
<td>9, 10, 11, 12</td>
</tr>
<tr>
<td>Duration</td>
<td>1 Term</td>
</tr>
<tr>
<td>Credit/Term</td>
<td>0.5</td>
</tr>
<tr>
<td>Meets Grad Requirements</td>
<td>None</td>
</tr>
<tr>
<td>Prerequisite</td>
<td>None</td>
</tr>
<tr>
<td>NCAA Status</td>
<td>None</td>
</tr>
</tbody>
</table>

For students from beginner to advanced. This course is designed to offer opportunities for stroke refinement, analysis and practice, fitness swimming, water games, synchronized swimming, diving and other water related activities based on need.

* At Skyline, this course may be taken more than once.

#### SWIMMING II - CO-ED

<table>
<thead>
<tr>
<th>Course #</th>
<th>816021, 816022, 816023</th>
</tr>
</thead>
<tbody>
<tr>
<td>School(s)</td>
<td>Skyline</td>
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<tr>
<td>Grade(s)</td>
<td>9, 10, 11, 12</td>
</tr>
<tr>
<td>Duration</td>
<td>1 Term</td>
</tr>
<tr>
<td>Credit/Term</td>
<td>0.5</td>
</tr>
<tr>
<td>Meets Grad Requirements</td>
<td>None</td>
</tr>
<tr>
<td>Prerequisite</td>
<td>None</td>
</tr>
<tr>
<td>NCAA Status</td>
<td>None</td>
</tr>
</tbody>
</table>

This course will focus on basic instruction in the following strokes; free style, back stroke, breast stroke, and butterfly. We follow American Red Cross swim instruction model using levels 1-7 for student assessment.

This course may be taken more than once.
### PHYSICAL EDUCATION

#### SWIMMING, LIFE GUARD

**School(s):** Huron, Pioneer, *Skyline  
**Course #:** 816031  
**Grade(s):** 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td></td>
<td>Must be 15 years old and pass swim test</td>
<td></td>
</tr>
</tbody>
</table>

This course will prepare life guard candidates to recognize emergencies, respond quickly and effectively to emergencies and prevent drowning and other incidents. The course also teaches other skills individuals need to become a professional life guard.

Qualifying swim test includes: 500 yard swim, submerge to a depth of 13 ft and retrieve a 10 lb. object, tread water two minutes using legs only. Upon completion of this course participants will receive American Red Cross Life Guard Training, First Aid and CPR certification.

* At Skyline, this course may be taken more than once.

#### SWIMMING, WATER SAFETY INSTRUCTOR

**School(s):** Pioneer  
**Course #:** 816041  
**Grade(s):** 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td></td>
<td>Life Guarding Certificate and must be 17 years old before class ends</td>
<td></td>
</tr>
</tbody>
</table>

Preparation for instruction in all phases of swimming.

Students will receive an American Red Cross WSI certificate upon successful completion of course.

#### TRIATHLON BASICS

**School(s):** Huron, *Skyline  
**Course #:** 812024  
**Grade(s):** 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td></td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

A triathlon is a multi-sport endurance event consisting of swimming, cycling and running in immediate succession over various distances. This course will focus primarily on periodized training in each of the three disciplines, as well as combination workouts and general strength conditioning.

*At Skyline, this course may be taken more than once.

#### WEIGHT TRAINING

**School(s):** Community, Huron  
**Course #:** 812022  
**Grade(s):** 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td></td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

For beginner to advanced students. This is a participation course designed for students seeking significant muscular endurance and strength gains. Students will become comfortable with sets, circuit, x-training and pylo techniques, along with weight room safety, etiquette and cardio conditioning.

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Course offerings are subject to sufficient enrollment; course offerings and descriptions are subject to change.

Ann Arbor Public Schools

2020-2021 High School Course Guide
## PHYSICAL EDUCATION

### YOGA

<table>
<thead>
<tr>
<th>Course #</th>
<th>812023</th>
</tr>
</thead>
<tbody>
<tr>
<td>School(s)</td>
<td>Community, Huron, Pioneer, Skyline</td>
</tr>
<tr>
<td>Grade(s)</td>
<td>9, 10, 11, 12</td>
</tr>
<tr>
<td>Duration</td>
<td>1 Term</td>
</tr>
<tr>
<td>Credit/Term</td>
<td>0.5</td>
</tr>
<tr>
<td>Meets Grad Requirements</td>
<td></td>
</tr>
<tr>
<td>Prerequisite</td>
<td>None</td>
</tr>
<tr>
<td>NCAA Status</td>
<td></td>
</tr>
</tbody>
</table>

Yoga is described as the union of the physical body with the mind and spirit as a method of reaching enlightenment. This course will cover the eight limbs of yoga focusing on asana (posture), pranayama (breath control) and dyana (meditation). Benefits of yoga include increased flexibility, calmness, increased strength and stamina.

This course may be taken more than once.

### YOGA IB

<table>
<thead>
<tr>
<th>Course #</th>
<th>IB812023</th>
</tr>
</thead>
<tbody>
<tr>
<td>School(s)</td>
<td>Huron</td>
</tr>
<tr>
<td>Grade(s)</td>
<td>9, 10</td>
</tr>
<tr>
<td>Duration</td>
<td>1 Term</td>
</tr>
<tr>
<td>Credit/Term</td>
<td>0.5</td>
</tr>
<tr>
<td>Meets Grad Requirements</td>
<td></td>
</tr>
<tr>
<td>Prerequisite</td>
<td>None</td>
</tr>
<tr>
<td>NCAA Status</td>
<td></td>
</tr>
</tbody>
</table>

Yoga (IB) is described as the union of the physical body with the mind and spirit as a method of reaching enlightenment. This course will cover the eight limbs of yoga focusing on asana (posture), pranayama (breath control) and dyana (meditation). This course educates ALL individuals in a comprehensive manner to enhance current levels of fitness through inquiry-based activities. Students will develop their knowledge about the benefits of yoga such as increased flexibility, calmness, strength and stamina. Students will incorporate reflection to observe noticeable improvements in their mental, emotional and spiritual health thus attaining improved energy, self-confidence, self-awareness, and overall wellness. Additionally, students will engage in various collaborative activities to enhance various characteristics of the IB Learner profile including risk-taking, effective communication, balance, caring and global awareness ... skills that are important no matter what path life takes you.
PROJECT LEAD THE WAY is a comprehensive approach to STEM Education. Through activity-, project-, and problem-based curriculum, PLTW gives students in kindergarten through high school a chance to apply what they know, identify problems, find unique solutions and lead their own learning. All Ann Arbor high schools offer the PLTW experience.

AEROSPACE ENGINEERING
Project Lead The Way

School(s): Huron

Course #: 671020

Grade(s): 10, 11, 12

Duration: 2 semesters
Credit/Term: 0.5
Meets Grad Requirements: 
Prerequisite: Engineering Design; Engineering, Principles of
NCAA Status

This course propels students’ learning in the fundamentals of atmospheric and space flight. As they explore the physics of flight, students bring the concepts to life by designing an airfoil, propulsion system, and rockets. They learn basic orbital mechanics using industry-standard software. They also explore robot systems through projects such as remotely operated vehicles.

COMPUTER INTEGRATED MANUFACTURING
Project Lead The Way

School(s): Skyline

Course #: 614060

Grade(s): 10, 11, 12

Duration: 2 trimesters
Credit/Term: 0.5
Meets Grad Requirements: 
Prerequisite: Engineering Design
NCAA Status

Manufactured items are part of everyday life, yet most students have not been introduced to the high-tech innovative nature of modern manufacturing. This course illuminates the opportunities related to understanding manufacturing. At the same time, it teaches students about manufacturing processes, product design, robotics, and automation. Students can earn a virtual manufacturing badge recognized by the National Manufacturing Badge system.

ENGINEERING DESIGN
Project Lead The Way

School(s): Community, Pathways, Pioneer, Skyline

Course #: 671011 671012, 671013

Grade(s): 9, 10, 11, 12

Duration: 2 Terms
Credit/Term: 0.5
Meets Grad Requirements: VPAA (0.5 per term) or 4th Math (0.5 per term)
Prerequisite: None
NCAA Status

This course uses problem-solving skills to explore creative designs and alternative solutions for problems facing our world today by using a design system approach. Students will design, analyze, and communicate possible solutions to a variety of environmental and technological problems. 3-dimensional models will be created using solid modeling computer design software. Possible tools include laser engraving and rapid prototyping.

This course may be taken as an elective by all students. College credit may be articulated with the National Affiliate/PLTW Exemplary Student Recognition program.

*Offered as CTE elective sequence of Engineering & Design courses.
### ENGINEERING DESIGN IB

**Project Lead The Way**

**Course #:** IB671011  
**Grade(s):** 9  

<table>
<thead>
<tr>
<th>Duration:</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year</td>
<td>0.5</td>
<td></td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

Engineering Design (IB) students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3-D modeling software, and use an engineering notebook to document their work.

### ENGINEERING DESIGN AND DEVELOPMENT

**Project Lead The Way**

**Course #:** 671041  
**Grade(s):** 12  

<table>
<thead>
<tr>
<th>Duration:</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year</td>
<td>0.5</td>
<td></td>
<td>Engineering Design; Engineering, Principles of</td>
<td></td>
</tr>
</tbody>
</table>

Students work in teams to identify, research, design and construct a solution to an open-ended engineering problem, with its environmental impact in mind. Students apply principles developed in the three preceding courses and are guided by a community mentor. Teams present progress reports, submit a final written report, and defend their solutions to a panel of outside reviewers at the end of the school year.

### ENGINEERING RESEARCH

**Project Lead The Way**

**Course #:** 671029  
**Grade(s):** 12  

<table>
<thead>
<tr>
<th>Duration:</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td></td>
<td>Engineering Design; Engineering, Principles of</td>
<td></td>
</tr>
</tbody>
</table>

This capstone course gives students the opportunity to work with a mentor, identify an engineering research topic, conduct research, write a scientific paper, and defend conclusions and recommendations to a panel of outside reviewers. Each team will have one or more mentors from the engineering and/or technical community guiding their research.

Capstone project of their senior project may also include job, internship, partnership, science project, research, and community outreach.

This senior year project can take place during any senior year trimester. Includes Engineering, Design and Development.

This course may be repeated for credit.
## PROJECT LEAD THE WAY (PLTW)

### ENGINEERING, PRINCIPLES OF

Project Lead The Way

**Course #:** 671021, 671027, 671028

**School(s):** Community, Pathways, Pioneer, Skyline

**Grade(s):** 10, 11

**Duration:** 2 Terms

**Credit/Term:** 0.5

**Meets Grad Requirements:** 4th Math (0.5 per term)

**Prerequisite:** Engineering Design

**NCAA Status**

This course provides an overview of the field of engineering and engineering technology. By exploring various technology systems and manufacturing processes, students learn how the engineering problem-solving process uses math, science and technology to benefit society. A product’s entire life cycle will be analyzed to help address concerns about its environmental, social, and political consequences. Possible areas of interest include alternative energy, waste management, transportation, aerodynamics, material analysis, and construction.

This course may be taken as an elective by all students. College credit may be articulated with the National Affiliate/PLTW Exemplary Student Recognition program.

*Offered as CTE elective sequence of Engineering & Design courses.*

### ENGINEERING, PRINCIPLES OF IB

Project Lead The Way

**Course #:** IB671021

**School(s):** Huron

**Grade(s):** 10, 11, 12

**Duration:** 2 Terms

**Credit/Term:** 0.5

**Meets Grad Requirements:**

**Prerequisite:** Engineering Design

**NCAA Status**

This course provides an overview of the field of engineering and engineering technology. By exploring various technology systems and manufacturing processes, students learn how the engineering problem-solving process uses math, science and technology to benefit society. A product’s entire life cycle will be analyzed to help address concerns about its environmental, social, and political consequences. Possible areas of interest include alternative energy, waste management, transportation, aerodynamics, material analysis, and construction.

This course may be taken as an elective by all students. College credit may be articulated with the National Affiliate/PLTW Exemplary Student Recognition program.

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Course offerings are subject to sufficient enrollment; course offerings and descriptions are subject to change.

Ann Arbor Public Schools  
2020-2021 High School Course Guide
Minimum Science Course Requirements

For all students graduating in 2021 and after

For students in the Class of 2021 and after, the Michigan Merit Curriculum requires students to earn a minimum of 3 science credits that address all of the standards specified in the Michigan Science Standards. This requires, at a minimum, taking or demonstrating proficiency with the standards addressed in the following courses offered by Ann Arbor Public Schools.

- Biology
- Earth Science
- Chemistry 1/Physics 1

Students considering a career in a science-related field are strongly encouraged to consider a fourth year of science that might include additional terms of Chemistry and Physics or other advanced course(s).

- Biology
- Earth Science
- Chemistry 1/Physics 1
- Chemistry 2/Physics 2

TYPICAL SCIENCE SEQUENCES

Typical sequences shown below are intended to show examples of how a student can meet the required credits. Contact your counselor or science teacher to understand additional options for acceleration or inclusion of CTE programs. This can include taking courses concurrently in elective slots or online, taking summer courses or testing out of courses to earn credit in cases where students are already proficient with content.

Community

<table>
<thead>
<tr>
<th>GRADE 9</th>
<th>GRADE 10</th>
<th>GRADE 11</th>
<th>GRADE 12</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Foundations</td>
<td>• Foundations of Science II</td>
<td>• Foundations of Science III</td>
<td>• Foundations of Science IV</td>
</tr>
<tr>
<td>of Science I</td>
<td></td>
<td></td>
<td>• Science Electives</td>
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</table>

Huron

<table>
<thead>
<tr>
<th>GRADE 9</th>
<th>GRADE 10</th>
<th>GRADE 11</th>
<th>GRADE 12</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Biology (IB)</td>
<td>• Chemistry 1 (IB) (semester)</td>
<td>• Earth Science (year)</td>
<td>• Chemistry IIA, Chemistry II Spec. Top.</td>
</tr>
<tr>
<td>Could take concurrent:</td>
<td>• Physics 1 (IB) (semester)</td>
<td>• Earth: HSS (semester)</td>
<td>• Physics II E&amp;M, Physics II Mechanics</td>
</tr>
<tr>
<td>• Earth: HSS (semester)</td>
<td></td>
<td></td>
<td>• DP Science (Year 2)</td>
</tr>
<tr>
<td>Could take concurrent:</td>
<td>• Earth: HSS (semester)</td>
<td></td>
<td>• Chemistry, Biology, ESS, Physics</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• AP Chemistry</td>
</tr>
</tbody>
</table>

Pioneer

<table>
<thead>
<tr>
<th>GRADE 9</th>
<th>GRADE 10</th>
<th>GRADE 11</th>
<th>GRADE 12</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Biology</td>
<td>• Earth Science</td>
<td>• Chemistry 1 (semester)</td>
<td>• Chemistry IIA, Chemistry II Spec. Top.</td>
</tr>
<tr>
<td>Could take concurrent:</td>
<td>• Physics 1 (semester)</td>
<td>• Physics 1 (semester)</td>
<td>• Physics II E&amp;M, Physics II Mechanics</td>
</tr>
<tr>
<td>• Chemistry 1 (semester)</td>
<td></td>
<td>• AP Chemistry (must meet prereq)</td>
<td>• AP Science (Chemistry, Biology, Physics, Environmental Science)</td>
</tr>
<tr>
<td>• Physics 1 (semester)</td>
<td></td>
<td></td>
<td>• Science Electives (see guide)</td>
</tr>
</tbody>
</table>

Skyline / Pathways

<table>
<thead>
<tr>
<th>GRADE 9</th>
<th>GRADE 10</th>
<th>GRADE 11</th>
<th>GRADE 12</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Biology</td>
<td>• Earth Science</td>
<td>• Chemistry 1 (one term)</td>
<td>• Chemistry IIA, Chemistry II Spec. Top.</td>
</tr>
<tr>
<td>Could take concurrent/tri 3</td>
<td>• AP Environmental Science</td>
<td>• Physics 1 (one term)</td>
<td>• Physics II E&amp;M, Physics II Mechanics</td>
</tr>
<tr>
<td>• Chemistry 1 (one term)</td>
<td></td>
<td>• AP Chemistry (must meet prereq)</td>
<td>• AP Science (Chemistry, Biology, Physics, Environmental Science)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Science Electives (see guide)</td>
</tr>
</tbody>
</table>

Course offerings are subject to sufficient enrollment; course offerings and descriptions are subject to change.

Ann Arbor Public Schools

2020-2021 High School Course Guide
### ANATOMY AND PHYSIOLOGY

**School(s):** *Pathways, Skyline*  
**Course #:** 406041  
**Grade(s):** 11, 12  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:**  
**Prerequisite:** Biology, Chemistry 1  
**NCAA Status:** APPROVED  

This is a specialized course in the study of the human body and how it works. The focus is on the structure and function of the major systems of the human body: muscular, skeletal, circulatory, respiratory, nervous, and digestive systems. Advanced laboratory techniques will be utilized to take an in-depth look at the wonder and complexities of the human body.

*At Pathways, this course is offered only in 12th grade.*

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### ANATOMY AND PHYSIOLOGY

**School(s):** Community  
**Course #:** 406041  
**Grade(s):** 9, 10, 11, 12  
**Duration:** 1 Term or 1 Year  
**Credit/Term:** 0.5  
**Meets Grad Requirements:**  
**Prerequisite:** Science, Foundations of II  
**NCAA Status:** APPROVED  

This course is designed to give the advanced science student an in-depth study of human anatomy and physiology. Part of the course is focused on comparative anatomy of both invertebrates and vertebrates and the evolution of body systems. This course includes required lab dissection of sample invertebrate and vertebrate organisms. The text is written for college level students. Students need to be independent learners in order to be successful.

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### ASTRONOMY

**School(s):** Pioneer, Skyline  
**Course #:** 406071  
**Grade(s):** 11, 12  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:**  
**Prerequisite:** Earth Science  
**NCAA Status:** APPROVED  

This course will take an in depth look at the cosmos, with topics such as black holes, stellar processes, and the structure of the galaxies and the universe. Space travel, history, and issues in space exploration will be considered.

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### BIOLOGY

**BIOLOGY SUPPORT**  
**School(s):** Pathways, Pioneer, Skyline  
**Course #:** 401011, 401019  
**Grade(s):** 9  
**Duration:** 2 Terms  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** Biology  
**Prerequisite:** None  
**NCAA Status:** APPROVED  

Biology is intended to help students develop their understanding of the concepts of biology. The course will cover all of the science standards adopted by the State of Michigan in 2015 for the life science discipline. This course is intended for 9th grade students. It will serve as an introductory class that will prepare students for upper level science courses and will meet the State of Michigan biology graduation requirement. The performance expectations of the course will focus on scientific practices such as: developing and using models, planning and conducting investigations, analyzing and interpreting data, using mathematical and computational thinking, constructing explanations, and engaging in argument from evidence.

This course is required for 9th grade students.
BIOLOGY IB  
Course #: IB401011  
School(s): Huron  
Grade(s): 9  
Duration: 1 Year  
Credit/Term: 0.5  
Meets Grad Requirements: Biology  
Prerequisite:  
NCAA Status: APPROVED

Biology (IB) is intended to help students develop their understanding of the concepts of biology. The course will cover all of the science standards adopted by the State of Michigan in 2015 for the life science discipline. This course is intended for 9th grade students. It will serve as an introductory class that will prepare students for upper level science courses and will meet the State of Michigan biology graduation requirement. The performance expectations of the course will focus on scientific practices such as; developing and using models, planning and conducting investigations, analyzing and interpreting data, using mathematical and computational thinking, constructing explanations, and engaging in argument from evidence.

BIOLOGY SL/HL YR1 IB  
BIOLOGY SL YR2 IB  
BIOLOGY HL YR2 IB  
Course #: IB409100, IB409101, IB409102  
School(s): Huron  
Grade(s): 11, 12  
Duration: 1 Year  
Credit/Term: 0.5  
Meets Grad Requirements: Science Elective  
Prerequisite: Biology IB or Biology  
NCAA Status: APPROVED

Students electing the following three courses participate in assessment components designed to ensure academic challenge consistent with IB standards. The course work and assessments represent longer-term projects or investigations that are scored based on criteria established by IB. Additionally, assessments include multiple choice short answer and extended response questions that require analysis of data and experimental work.

**Biology SL/HL Yr1 (Grade 11)**

Biology SL/HL Yr1 (IB) is the first year of a two-year course that is intended to help students develop their understanding of the fundamental concepts of biology. This course will deepen and add breadth to the knowledge and practices that are included in the Michigan Science Standards (MSS) and will address all expectations of the International Baccalaureate Organization. This two year course is intended for students to begin in grade 11 and will proceed with the expectation that students are proficient with the content addressed in the Biology, Chemistry 1, Physics 1, Earth Science sequence. It will serve as a continuation of the Biology 1 course, building on the content and skills acquired in 9th grade. The performance expectations of the course will focus on scientific practices such as; developing and using models, planning and conducting investigations, analyzing and interpreting data, using mathematical and computational thinking, and constructing explanations. This course satisfies the Sciences requirement for Full IB Diploma students.

**Biology SL Yr2 (Grade 12)**

Biology SL Yr2 (IB) is the second year of a two-year course that is intended to help students develop their understanding of the fundamental concepts of biology. This course will deepen and add breadth to the knowledge and practices that are included in the Michigan Science Standards (MSS) and will address all expectations of the International Baccalaureate Organization. This two year course is intended for students to begin in grade 11 and will proceed with the expectation that students are proficient with the content addressed in the Biology, Chemistry 1, Physics 1, Earth Science sequence. It will serve as a continuation of the Biology 1 course, building on the content and skills acquired in 9th grade. The performance expectations of the course will focus on scientific practices such as; developing and using models, planning and conducting investigations, analyzing and interpreting data, using mathematical and computational thinking, and constructing explanations. This course satisfies the Sciences requirement for Full IB Diploma students.

**Biology HL Yr2 (Grade 12)**

Biology HL Yr2 (IB) is the second year of a two-year course that is intended to help students develop their understanding of the fundamental concepts of biology. This course will deepen and add breadth to the knowledge and practices that are included in the Michigan Science Standards (MSS) and will address all expectations of the International Baccalaureate Organization. This two year course is intended for students to begin in grade 11 and will proceed with the expectation that students are proficient with the content addressed in the Biology, Chemistry 1, Physics 1, Earth Science sequence. It will serve as a continuation of the Biology 1 course, building on the content and skills acquired in 9th grade. The performance expectations of the course will focus on scientific practices such as; developing and using models, planning and conducting investigations, analyzing and interpreting data, using mathematical and computational thinking, and constructing explanations. This course satisfies the Sciences requirement for Full IB Diploma students.
## BIOLOGY, ADVANCED

### Course Details:
- **Course #:** 401021
- **School(s):** Community
- **Grade(s):** 9, 10, 11, 12
- **Duration:** 1 Term or 1 Year
- **Credit/Term:** 0.5
- **Meets Grad Requirements:**
- **Prerequisite:** Science, Foundations of II or Biology
- **NCAA Status:** APPROVED

This course is a one term course designed for those students who wish to study biological principles in greater depth, particularly at the molecular level. The course is rigorous and the textbook is written at the college level. Topics include: cell structure and function, the cell cycle, genes to proteins, DNA repair, reproduction of DNA and repair, molecular biology of cancer, cancer cell histology, DNA cloning, DNA genomics and analysis, electrophoresis of DNA, embryology and animal development, natural selection, population evolution, origin of species, primate evolution, and human evolution.

## BIOLOGY, AP

### Course Details:
- **Course #:** 401031
- **School(s):** Huron, Pioneer, Skyline
- **Grade(s):** 11, 12
- **Duration:** 2 Terms, 3 Terms (Skyline)
- **Credit/Term:** 0.5
- **Meets Grad Requirements:**
- **Prerequisite:** Biology and Chemistry I; or Chemistry, AP
- **NCAA Status:** APPROVED

This is a college level course in introductory biology, which expands on the concepts introduced in Biology. Emphasis will be placed on special laboratory techniques, data interpretation, and application of concepts. Areas of biology covered are: cellular structure, process and functions; genetics; DNA technology, evolution, ecology, botany, microbiology, embryology and anatomy and physiology.

Enrollment in AP Biology should be based on previous excellent work in Biology and Chemistry. AP Biology should not be considered as a substitute for Physics by students planning careers in science. AP Biology and Physics may be taken concurrently in grade twelve. The nature of the course may require the student to spend some extra time in the laboratory. This course has preparation for the Advanced Placement examination, for college credit, as one of its objectives. However, students electing the course are not obligated to take the examination. AP testing occurs in May.

## CHEMISTRY - SPECIAL TOPICS

### Course Details:
- **Course #:** 404041
- **School(s):** Huron, Pathways, Pioneer, Skyline
- **Grade(s):** 12
- **Duration:** 1 Term
- **Credit/Term:** 0.5
- **Meets Grad Requirements:**
- **Prerequisite:** Chemistry 1
- **NCAA Status:** APPROVED

Chemistry Special Topics is a continuation of Chemistry I and will explore a variety of interesting Chemistry topics distinct from those offered in Chemistry II. There are two goals for this course: First, to broaden student conceptual understanding to topics typically found in modern STEM professions. Second, to develop and deepen understanding around various chemistry topics beyond those which are covered in Chemistry I. Possible topics may include but will not be limited to: hydrocarbons, polymers, food chemistry and stereochemistry.

## CHEMISTRY I

### Course Details:
- **Course #:** 404026
- **School(s):** Pathways, Pioneer, Skyline
- **Grade(s):** 10, 11
- **Duration:** 1 Term
- **Credit/Term:** 0.5
- **Meets Grad Requirements:** Chemistry
- **Prerequisite:** None
- **NCAA Status:** APPROVED

Chemistry I is intended to help students develop their understanding of the fundamental concepts of chemistry. The course will cover all of the chemistry related physical science standards adopted by the State of Michigan in 2015. This course is intended for 10th grade students and follows the Biology class from 9th grade. It will prepare students for upper level science courses and will meet the State of Michigan graduation requirement. The performance expectations of the course will focus on scientific practices such as; developing and using models, planning and conducting investigations, analyzing and interpreting data, using mathematical and computational thinking, and constructing explanations.
## SCIENCE

### CHEMISTRY I IB

| School(s): | Huron |
| Course #: | IB404026 |
| Grade(s): | 10 |
| Duration: | 1 Term |
| Credit/Term: | 0.5 |
| Meets Grad Requirements: | Chemistry |
| Prerequisite: | Chemistry |
| NCAA Status: | APPROVED |

Chemistry I (IB) is intended to help students develop their understanding of the fundamental concepts of chemistry. The course will cover all of the chemistry related physical science standards adopted by the State of Michigan in 2015. This course is intended for 10th grade students and follows the Biology class from 9th grade. It will serve as an introductory class that will prepare students for upper level science courses and will meet the State of Michigan graduation requirement. The performance expectations of the course will focus on scientific practices such as; developing and using models, planning and conducting investigations, analyzing and interpreting data, using mathematical and computational thinking, and constructing explanations.

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### CHEMISTRY II

| School(s): | Huron, Pathways, Pioneer, Skyline |
| Course #: | 404040 |
| Grade(s): | 12 |
| Duration: | 1 Term |
| Credit/Term: | 0.5 |
| Meets Grad Requirements: | Chemistry 1, Physics 1 |
| Prerequisite: | Chemistry 1, Physics 1 |
| NCAA Status: | APPROVED |

Chemistry II is a continuation of Chemistry I. The goals of this course are twofold: First, to broaden student conceptual understanding to topics typically found in modern STEM professions. Second, to build resilience and depth around topics beyond those covered in Chemistry I but are considered foundational in post-secondary endeavors. Topics included in this course: Solutions, Acids and Bases, Gas Laws, and Electrochemistry.
Students electing the following three courses participate in assessment components designed to ensure academic challenge consistent with IB standards. The course work and assessments represent longer-term projects or investigations that are scored based on criteria established by IB. Additionally, assessments include multiple choice short answer and extended response questions that require analysis of data and experimental work.

**Chemistry SL/HL Yr1 (Grade 11)**
Chemistry SL/HL Yr1 (IB) is the first year of a two-year course intended to help students develop their understanding of the fundamental concepts of chemistry. The course will deepen student understanding and add breadth to the chemistry-related physical science standards adopted by the State of Michigan in 2015. This course is intended for 11th grade students and follows the MYP Biology/Chemistry/Physics, and Earth Science sequence. It will provide a rigorous student experience that will prepare students for college level science courses. This course will also meet the requirements of the International Baccalaureate. The performance expectations of the course will focus on scientific practices such as; developing and using models, planning and conducting investigations, analyzing and interpreting data, using mathematical and computational thinking, and constructing explanations. This course has a significant amount of time allocated to laboratory experiments. This course satisfies the Sciences requirement for Full IB Diploma students.

**Chemistry SL Yr2 (Grade 12)**
Chemistry SL Yr 2 (IB) is the second year of a two-year course intended to help students develop their understanding of the fundamental concepts of chemistry. The course will deepen student understanding and add breadth to the chemistry-related physical science standards adopted by the State of Michigan in 2015. This course is intended for 12th grade students and follows the MYP Biology/Chemistry/Physics, and Earth Science sequence. It will provide a rigorous student experience that will prepare students for college level science courses. This course will also meet the requirements of the International Baccalaureate. The performance expectations of the course will focus on scientific practices such as; developing and using models, planning and conducting investigations, analyzing and interpreting data, using mathematical and computational thinking, and constructing explanations. This course has a significant amount of time allocated to laboratory experiments. This course satisfies the Sciences requirement for Full IB Diploma students.

**Chemistry HL Yr2 (Grade 12)**
Chemistry HL Yr 2 (IB) is the second year of a two-year course intended to help students develop their understanding of the fundamental concepts of chemistry. The course will deepen student understanding and add breadth to the chemistry-related physical science standards adopted by the State of Michigan in 2015. This course is intended for 11th grade students and follows the MYP Biology/Chemistry/Physics, and Earth Science sequence. It will provide a rigorous student experience that will prepare students for college level science courses. This course will also meet the requirements of the International Baccalaureate. The performance expectations of the course will focus on scientific practices such as; developing and using models, planning and conducting investigations, analyzing and interpreting data, using mathematical and computational thinking, and constructing explanations. This course has a significant amount of time allocated to laboratory experiments. This course satisfies the Sciences requirement for Full IB Diploma students.

**Chemistry, Advanced**
This course is the next step beyond the chemistry that was learned in FOS and FOS 3 (first term). There is a greater emphasis on theory and a mathematical, quantitative approach. A college chemistry level text is used. Content includes: History of Chemistry, Measurements/Calculation/Significant Figures, Solution Chemistry, Equilibrium, Acids and Bases, Polymer Chemistry, Oxidation/Reduction/Electrochemistry, Thermochemistry, and Nuclear Chemistry.
**CHEMISTRY, AP**

**CHEMISTRY LAB, AP** *(Huron & Pioneer)*

Course #: 404031, 404039  
Grade(s): 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Terms,</td>
<td>0.5</td>
<td></td>
<td>Chemistry 1</td>
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<tr>
<td>3 Terms (Skyline)</td>
<td></td>
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</tbody>
</table>

This is a college level class offered to students who have achieved above average grades in Chemistry: Sustainable/Green, Chemistry 1 or AC Geophysical Science, and who have a genuine interest in chemistry. Chemistry topics will be addressed in greater depth with emphasis on problem solving and descriptive chemistry. The laboratory work will be more quantitative.

The lab section does not earn credit. This course has preparation for the Advanced Placement examination, for college credit, as one of its objectives. However, students electing the course are not obligated to take the examination. AP testing occurs in May.

*Huron and Pioneer*: Students must elect both sections (course & lab).

**Skyline**: Students elect the course only - lab is embedded in longer class periods for three trimesters.

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**EARTH SCIENCE**

School(s): Huron, Pathways, Pioneer, Skyline

Course #: 402011  
Grade(s): 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
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</thead>
<tbody>
<tr>
<td>2 Terms</td>
<td>0.5</td>
<td>Science Elective, Earth Science</td>
<td>None</td>
<td>APPROVED</td>
</tr>
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</table>

This laboratory course takes an inquiring view of the planet earth and its environment in space. Course content is drawn from the fields of astronomy, geology, meteorology, oceanography, paleontology, geography, soil science, and ecology and addresses all state standards relevant to Earth Science.

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**EARTH: HISTORY, SYSTEMS & SUSTAINABILITY IB**

School(s): Huron

Course #: IB402014  
Grade(s): 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td>Earth Science</td>
<td>None</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

This course is intended to support students pursuing a DP diploma with learning the Michigan Science Standards in the discipline of Earth Science which are part of what is required for graduation. During this one term course, student will inquire around topics in earth systems, history of the earth, weather, climate and human impact. While this course does not address content equivalent to the year-long Earth Science course, still students should expect the inquiry and learning in this course to proceed at a brisk pace in order to to accommodate the one-term course length. Students can elect this course during the regular school year or during the summer.
SCIENCE

ECOLOGY AND RESOURCE MANAGEMENT

School(s): Community*, Pathways
Course #: 403011
Grade(s): 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
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<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td></td>
<td>Community: Science, Foundations of III</td>
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<tr>
<td>2 Terms*</td>
<td></td>
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</table>

This course is designed to provide an in-depth understanding of human impact on earth’s environment. The cause and effect of current issues, particularly in our community are emphasized. Students are expected to analyze issues and propose solutions. Topics include Ecosystems, energy, air and water pollution, land use, and waste management. These topics are explored using current events, lecture, labs, hands-on work outdoors and possible field trips.

*Community: This course will cover major ecological concepts across several areas of study; including ichthyology (fish), ornithology (birds), entomology (bugs), limnology (lakes), and botany (plants). Topics include the interactions among individuals of these populations, interactions in their abiotic environment, and interactions with other species. We will also look at the role humans have had in changing each of these ecosystems and the impact these changes have had on the world as a whole. Specifically, we will research factors threatening the survival of endangered plants and animals - habitat destruction; pollution; deforestation; desertification; climate change. Activities and projects will be oriented towards researching current literature, studying preserved specimens, collecting data, analyzing information and drawing conclusions that are supported by the data to generate solutions.

ENVIRONMENTAL SCIENCE

School(s): Community
Course #: 403021
Grade(s): 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td></td>
<td>Earth Science</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

This course will be an in-depth study of environmental systems and concepts. Topics studied include the structure, function, and changes that effect ecosystems. Global and physical systems such as ecosphere, atmosphere, hydrosphere and lithosphere will be investigated. Finally human interactions and impact on the environment will be discussed. Laboratory activities will be grounded in real-world issues and involve students in the design and analysis of scientific experiments in their environment.

ENVIRONMENTAL SCIENCE, AP

School(s): Pioneer, Skyline
Course #: 403031
Grade(s): 11, 12
10 (Skyline only)

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Terms (Pioneer)</td>
<td>0.5</td>
<td>Earth Science (Skyline only)</td>
<td>Biology (all) and Earth Science (Pioneer)</td>
<td>APPROVED</td>
</tr>
<tr>
<td>3 Terms (Skyline)</td>
<td></td>
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</table>

The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study. Yet there are several major unifying constructs, or themes, that cut across the many topics included in the study of environmental science. The following themes provide a foundation for the structure of the AP Environmental Science course; science process and practices, energy conversions in ecological processes, the interconnected Earth system, human alteration of natural systems, social and cultural context for environmental problems and the development of sustainable systems.

The Skyline version of this course meets across three trimesters and for additional minutes relative to the Pioneer version of the course, as a result the Skyline version of the course addresses additional content beyond that tested on the AP exam and relevant to the state standards for Earth Science.

Concurrent enrollment in Algebra II or beyond is recommended.
Students electing the following course participate in assessment components designed to ensure academic challenge consistent with IB standards. The course work and assessments represent longer-term projects or investigations that are scored based on criteria established by IB. Additionally, assessments include multiple choice short answer and extended response questions that require analysis of data and experimental work.

Environmental Systems and Societies SL (IB) is an interdisciplinary course that studies the interaction of humans and the environment. The students will gain the knowledge and understanding of environmental systems and issues on a variety of levels. Environmental issues will be studied on personal, local and global levels, this will help students develop an awareness of environmental issues, make future environmental decisions and be motivated to be stewards for the environment. This course satisfies the Sciences requirement or the Individuals and Societies requirement for Full IB Diploma students.

FORENSIC SCIENCE I

Forensic Science is a one term science elective. The application of integrated science will introduce students to the application of science to the law. The major topics of study will include observation skills, crime-scene investigation and evidence collection, study of hair, fibers, textiles, fingerprints, handwriting analysis, casts and impressions and blood and blood spatter.

FORENSIC SCIENCE I

This course will extend the content learner in FOS 3 through additional forensic investigative techniques. Forensic entomology, advanced blood splatter analysis, advanced fingerprint analysis, DNA analysis, document analysis, skeletal analysis, drug analysis, dental and shoe analysis, fiber analysis, autopsy analysis and advanced crime scene reconstruction. The science behind each of these techniques is explored in depth. There will be an optional field trip to a medical examiner’s lab.

FORENSIC SCIENCE II

Forensic Science II is a second level course in forensic science where students will have the opportunity to expand their knowledge of chemistry, biology, physics, earth science, math, and psychology. Advanced topics will include: arson and explosions, forensic anthropology and entomology, DNA fingerprinting, drug identification and toxicology, glass evidence, tool marks, ballistics, crime scene reconstruction, criminal profiling and a final capstone crime scene project.
PHYSICS C: MECHANICS, AP
Course #: 405031
Grade(s): 12

School(s): Huron, Pioneer, Skyline

Duration: 1 Year
Credit/Term: 0.5
Meets Grad Requirements
Prerequisite: Physics I, Precalculus, and concurrent enrollment in Calculus
NCAA Status: APPROVED

This is a calculus-based college level course in introductory physics, including a thorough investigation of mechanics and an introduction to electricity and magnetism, modern physics and relativity.

This course has preparation for the Advanced Placement examination, for college credit, as one of its objectives. However, students electing the course are not obligated to take the examination. AP testing occurs in May.

PHYSICS I
Course #: 405045
Grade(s): 11, 12

School(s): Pathways, Pioneer, Skyline

Duration: 1 Term
Credit/Term: 0.5
Meets Grad Requirements: Physics
Prerequisite: None
NCAA Status: APPROVED

Physics I is intended to help students develop their understanding of the fundamental concepts of physics. The course will cover all of the physics related physical science standards adopted by the State of Michigan in 2015, meet one term of the State of Michigan graduation requirements for science, and will prepare students for upper level science courses. The performance expectations of the course will focus on scientific practices such as developing and using models, planning and conducting investigations, analyzing and interpreting data, using mathematical and computational thinking, and constructing explanations.

PHYSICS I IB
Course #: IB405045
Grade(s): 10

School(s): Huron

Duration: 1 Term
Credit/Term: 0.5
Meets Grad Requirements: Physics
Prerequisite: None
NCAA Status: APPROVED

Physics I (IB) is intended to help students develop their understanding of the fundamental concepts of physics. The course will cover all of the physics related physical science standards adopted by the State of Michigan in 2015. This course is intended for 10th grade students and follows the Biology class from 9th grade. It will serve as an introductory class that will prepare students for upper level science courses and will meet one term of the State of Michigan graduation requirements for science. The performance expectations of the course will focus on scientific practices such as; developing and using models, planning and conducting investigations, analyzing and interpreting data, using mathematical and computational thinking, and constructing explanations.

PHYSICS II: ELECTRICITY AND MAGNETISM
Course #: 405028
Grade(s): 12

School(s): Huron, Pioneer, Skyline

Duration: 1 Term
Credit/Term: 0.5
Meets Grad Requirements
Prerequisite: Physics 1
NCAA Status: APPROVED

This course will build upon the science standards and practices studied during Physics 1 moving toward further readiness for a college Physics course. Students will explore sound properties, light properties, electrostatic charge and circuits as they draw upon and deepen understandings of core ideas, practices and cross-cutting concepts developed in Physics 1.

PHYSICS II: MECHANICS
Course #: 405025
Grade(s): 12

School(s): Huron, Pathways, Pioneer, Skyline

Duration: 1 Term
Credit/Term: 0.5
Meets Grad Requirements
Prerequisite: Physics 1
NCAA Status: APPROVED

This course will build upon the science standards and practices studied during Physics 1 moving toward further readiness for a college Physics course. Students will explore kinematics, forces, energy and momentum, and rotational motion as they draw upon and deepen understandings of core ideas, practices and cross-cutting concepts developed in Physics 1.
Students electing the following three courses participate in assessment components designed to ensure academic challenge consistent with IB standards. The course work and assessments represent longer-term projects or investigations that are scored based on criteria established by IB. Additionally, assessments include multiple choice short answer and extended response questions that require analysis of data and experimental work.

**Physics SL/HL Yr1** (Grade 11)
Physics SL/HL Yr1 (IB) is the first year of a two-year course. Physics is the most fundamental of the experimental sciences, as it seeks to explain the universe itself, from the very smallest particles to the vast distances between galaxies. Despite the exciting and extraordinary development of ideas throughout the history of physics, observations remain essential to the very core of the subject. Models are developed to try to understand observations, and these models can become theories that attempt to explain the observations. Besides helping us better understand the natural world, physics gives us the ability to alter our environments. This raises the issue of the impact of physics on society, the moral and ethical dilemmas, and the social, economic and environmental implications of the work of physicists. By studying physics students should become aware of how scientists work and communicate with each other. While the scientific method may take on a wide variety of forms, it is the emphasis on a practical approach through experimental work that characterizes the subject. Teachers provide students with opportunities to develop manipulative skills, design investigations, collect data, analyze results and evaluate and communicate their findings. This course satisfies the Sciences requirement for Full IB Diploma students.

**Physics SL Yr2** (Grade 12)
Physics SL Yr2 (IB) is the second year of a two-year course. Physics is the most fundamental of the experimental sciences, as it seeks to explain the universe itself, from the very smallest particles to the vast distances between galaxies. Despite the exciting and extraordinary development of ideas throughout the history of physics, observations remain essential to the very core of the subject. Models are developed to try to understand observations, and these models can become theories that attempt to explain the observations. Besides helping us better understand the natural world, physics gives us the ability to alter our environments. This raises the issue of the impact of physics on society, the moral and ethical dilemmas, and the social, economic and environmental implications of the work of physicists. By studying physics students should become aware of how scientists work and communicate with each other. While the scientific method may take on a wide variety of forms, it is the emphasis on a practical approach through experimental work that characterizes the subject. Teachers provide students with opportunities to develop manipulative skills, design investigations, collect data, analyze results and evaluate and communicate their findings. This course satisfies the Sciences requirement for Full IB Diploma students.

**Physics HL Yr2** (Grade 12)
Physics HL Yr2 (IB) is the second year of a two-year course. Physics is the most fundamental of the experimental sciences, as it seeks to explain the universe itself, from the very smallest particles to the vast distances between galaxies. Despite the exciting and extraordinary development of ideas throughout the history of physics, observations remain essential to the very core of the subject. Models are developed to try to understand observations, and these models can become theories that attempt to explain the observations. Besides helping us better understand the natural world, physics gives us the ability to alter our environments. This raises the issue of the impact of physics on society, the moral and ethical dilemmas, and the social, economic and environmental implications of the work of physicists. By studying physics students should become aware of how scientists work and communicate with each other. While the scientific method may take on a wide variety of forms, it is the emphasis on a practical approach through experimental work that characterizes the subject. Teachers provide students with opportunities to develop manipulative skills, design investigations, collect data, analyze results and evaluate and communicate their findings. This course satisfies the Sciences requirement for Full IB Diploma students.
PHYSICS, CONCEPTUAL

Course #: 405011

School(s): Community

Grade(s): 11, 12

Duration: 1 Year
Credit/Term: 0.5
Meets Grad Requirements: Algebra I
Prerequisite: Algebra I
NCAA Status: APPROVED

This course is a descriptive approach to physics for students with less of a mathematics background. It is a survey course about topics such as light, sound, force, momentum, and gravity. It focuses on developing an understanding of physics through real world applications and hands-on activities. Students must successfully complete the first semester of Conceptual Physics to enroll in the second semester.

This course will not be available to the class of 2021 and beyond.

PHYSICS, ROBOTICS ENGINEERING CURRICULUM

Course #: 405050

School(s): Pathways

Grade(s): 10, 11, 12

Duration: 3 Terms
Credit/Term: 0.5
Meets Grad Requirements: Science/Physics (.5) Science Elective (.5) or CTE Elective (.5)
Prerequisite: None
NCAA Status

Robotics Engineering Curriculum (REC) provides a robust study of engineering concepts including physics, programming, mechanical systems, and electrical/electronic systems. Core concepts are delivered through interactive curriculum, relevant activities and projects using VEX robotics hardware.

SCIENCE, FOUNDATIONS OF I - GEOLOGY/ECOLOGY

Course #: 406011

School(s): Community

Grade(s): 9

Duration: 1 Year
Credit/Term: 0.5
Meets Grad Requirements: Earth Science (1.0)
Prerequisite: None
NCAA Status

This first course in the Foundations of Science sequence begins with an in-depth, multidisciplinary study of a local tributary to the Huron River. In this project, students conduct three assessments focusing on the physical parameters, biological indicators, and water chemistry of Traver Creek. In addition, students study the chemical concepts of water solubility, periodicity of elements and ionic reactions. A wide range of ecological concepts including ecosystem dynamics, environmental justice, and the topography and land usage of the watershed are also studied. Second semester focuses on energy transfers in the environment, including photosynthesis, cellular respiration and alternative energies. Student will research green technologies with a focus on engineering and reducing human-related environmental impact. Working in groups, students will then design a parcel of urban land within Ann Arbor using sustainable design techniques and alternative energies. Focusing on the Ann Arbor area, students will look at glacial and topographical evidence to analyze evidence of past climatic change. Geology, glaciology, paleoclimatology, and paleobiology are the main content areas.

*The four main goals of the Foundations of Science program are to: 1) integrate the separate science disciplines, 2) to do real science using projects as the driving force in the curriculum, 3) to create a classroom situation where the use of computational media is routine, and 4) to develop scientifically literate citizens. The development of FOS was supported by a grant from the National Science Foundation. Completion of three years of FOS is the equivalent of one year of college preparatory earth science, biology and chemistry.
SCIENCE

SCIENCE, FOUNDATIONS OF II - MOLECULAR BIOLOGY

Course #: 406012

Grade(s): 10

Duration: 1 Year

Credit/Term: 0.5

Meets Grad Requirements:
- Physics (.5)
- Biology (.5)

Prerequisite: None

NCAA Status: None

The emphasis of this course is to integrate the tools of science and technology with broad scientific themes and apply these to major societal issues. Chemistry is the featured content area with biology being related to these topics. Content is organized around projects.

The culminating design project of semester 1, Crash Test Dummies, requires students to use their knowledge of chemistry concepts to design, build, and test a vehicle that has a chemical air bag protecting an egg. Concepts required are periodicity, electron configuration, heats of reaction, equilibrium, moles, stoichiometry and gas laws. In semester 2, organic chemistry will be studied through researching and producing the organic molecule, soap, and debating the use of plastics in our society. Concepts required are periodicity, electron configuration, heats of reaction, equilibrium, moles, stoichiometry and gas laws. In semester 2, organic chemistry will be studied through researching and producing the organic molecule, soap, and debating the use of plastics in our society. Concepts required are periodicity, electron configuration, heats of reaction, equilibrium, moles, stoichiometry and gas laws.

*The four main goals of the Foundations of Science program are to: 1) integrate the separate science disciplines, 2) to do real science using projects as the driving force in the curriculum, 3) to create a classroom situation where the use of computational media is routine, and 4) to develop scientifically literate citizens. The development of FOS was supported by a grant from the National Science Foundation. Completion of three years of FOS is the equivalent of one year of college preparatory earth science, biology and chemistry.

SCIENCE, FOUNDATIONS OF III - ANALYTICAL AND BIOCHEMISTRY

Course #: 406013

Grade(s): 11

Duration: 1 Year

Credit/Term: 0.5

Meets Grad Requirements:
- Chemistry (.5)
- Biology (.5)

Prerequisite: None

NCAA Status: None

The emphasis of this course is to integrate the tools of science and technology with broad scientific themes and apply these to major societal issues. Chemistry is the featured content area with biology being related to these topics. Content is organized around projects.

The culminating design project of semester 1, Crash Test Dummies, requires students to use their knowledge of chemistry concepts to design, build, and test a vehicle that has a chemical air bag protecting an egg. Concepts required are periodicity, electron configuration, heats of reaction, equilibrium, moles, stoichiometry and gas laws. In semester 2, organic chemistry will be studied through researching and producing the organic molecule, soap, and debating the use of plastics in our society. Concepts required are periodicity, electron configuration, heats of reaction, equilibrium, moles, stoichiometry and gas laws.

*The four main goals of the Foundations of Science program are to: 1) integrate the separate science disciplines, 2) to do real science using projects as the driving force in the curriculum, 3) to create a classroom situation where the use of computational media is routine, and 4) to develop scientifically literate citizens. The development of FOS was supported by a grant from the National Science Foundation. Completion of three years of FOS is the equivalent of one year of college preparatory earth science, biology and chemistry.

SCIENCE, FOUNDATIONS OF IV - THE PHYSICAL UNIVERSE

Course #: 406014

Grade(s): 12

Duration: 1 Year

Credit/Term: 0.5

Meets Grad Requirements:
- Physics

Prerequisite: None

NCAA Status: None

The Physical Universe is an algebra-based, integrated science course that incorporates concepts from physics, biology, and chemistry. The class consists of four units, each with a different focus and approach to the physical universe. The first unit is mechanical physics, which includes kinematics, dynamics, vectors and forces. Students construct several machines and observe how these structures relate to mechanical phenomena. The second unit of the class involves particle physics where the students examine the interactions, forces, and attractions between elementary particles, and explore new research regarding particle accelerators and collisions. The astronomy and astrophysics unit addresses concepts regarding gravitation, light, and radiation. The students complete a project on a topic of their choosing related to the covered material. The course ends with a final unit on medical physics, biomechanics and biophysics. This portion of the course covers optics, work, energy, radiation exposure, nuclear medicine, and imaging in the context of how these topics relate to the human body.

The four main goals of the Foundations of Science program are to: 1) integrate the separate science disciplines, 2) to do real science using projects as the driving force in the curriculum, 3) to create a classroom situation where the use of computational media is routine, and 4) to develop scientifically literate citizens. The development of FOS was supported by a grant from the National Science Foundation. Completion of three years of FOS is the equivalent of one year of college preparatory earth science, biology and chemistry.
SKYLINE MAGNET

BUSINESS, MARKETING & INFORMATION TECHNOLOGY (BMIT): Students explore the dynamics of business, marketing, and entrepreneurship within a global society. Students study production, distribution, and consumption of goods and services. They use key technology applications, like information management systems, graphics, and web design to connect local and global markets through business planning, management, marketing, advertising.

BUSINESS AND MARKETING INTERNSHIP

Course #: 614097
Grade(s): 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 term</td>
<td>0.5</td>
<td></td>
<td>Business Principles, New Venture Planning, Marketing Education, Approval from Magnet Lead</td>
<td></td>
</tr>
</tbody>
</table>

This course gives students an opportunity to extend student learning into the community by working with a local business to conduct a needs analysis to help them achieve their goal(s). This opportunity could also help students explore career areas or just aid them in learning basic business skills that will help them in college and eventually in their career choice.

This business and marketing internship can take place during any senior year trimester. Includes Business Leadership Research. May be repeated for credit.

BUSINESS LEADERSHIP CAPSTONE AND RESEARCH

Course #: 631051
Grade(s): 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year</td>
<td>0.5</td>
<td></td>
<td>Business Principles, New Venture Planning, Marketing Education</td>
<td></td>
</tr>
</tbody>
</table>

This culminating course will provide the advanced student with the opportunity to assume a leadership role within the magnet program by overseeing the operations of a group of marketing managers (in school store or other location in the community). The experience will also include conducting a needs assessment for a local company and working with them to conduct a business plan and carry out the goals of that business.

This is a State-Approved CTE course. Students are eligible, upon successful completion of this program (2 semesters or at least 2 trimesters), to substitute this course for the following graduation credits:

1 credit of World Language
1 credit of Science

Through a personal curriculum a State-Approved CTE course may substitute for a VPAA credit.

BUSINESS PRINCIPLES

Course #: 631011
Grade(s): 10

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td></td>
<td>None</td>
<td></td>
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</tbody>
</table>

Provides a broad study and analysis of the philosophy, language and environment of business. It introduces students to contemporary business principles, practices, and ethics. Students will understand legal knowledge as it relates to their roles as citizens, consumers, employers, and future business leaders. The curriculum will address the basics of marketing, management, accounting, and entrepreneurship using technology (including Microsoft Office) to apply these skills. Students will also explore the various business related careers.
### MARKETING EDUCATION

**Course #: 613031**

- **Duration:** Year 2 Trimesters (Skyline)
- **Credit/Term:** .5
- **Meets Grad Requirements:** ENGLISH ELECTIVE
- **Prerequisite:** *Business Principles & New Venture Planning (For Skyline BMIT ONLY)
- **NCAA Status:**

This year long business administration course is designed to prepare students for entry-level occupations in marketing, management, and entrepreneurial ventures. The class also prepares students wishing to major in business administration in college. Students who enjoy learning by doing will have fun with the numerous skits and role-plays used to teach marketing skills and concepts. This course addresses the following seven career pathways: Management & Entrepreneurship, Professional Sales & Marketing, Buying & Merchandising, Advertising & Promotion, Marketing Information Management & Research, Distribution & Logistics, and E-Marketing. The marketing curriculum incorporates multimedia lessons, class sales and promotion projects, and a hands on virtual business retailing simulation that teaches the importance of pricing, advertising, purchasing, merchandising, and market research.

This course is meant to complement and enhance the Marketing COE Course and is a prerequisite for Marketing COE. All participating students earn college credits they can apply at Washtenaw Community College. An integral part of the program at Pioneer is an opportunity for participation a student professional organization (DECA/BPA). Marketing Education is a prerequisite for the Sports and Entertainment Marketing class at Pioneer only. Pioneer and Huron students completing this program will receive a Career & Technical Education Certificate/High School Diploma Endorsement and credits towards the prestigious High School MBA Award at both Huron and Pioneer.

*Skyline 11th grade BMIT ONLY*

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### NEW VENTURE PLANNING

**Course #: 631021**

- **Duration:** 1 Term
- **Credit/Term:** 0.5
- **Meets Grad Requirements:**
- **Prerequisite:** Business Principles
- **NCAA Status:**

Examines the essential elements of starting and growing a new business within the context of the 21st century and the triple bottom line theory. Students acquire skills in assessing business opportunities, crafting of entrepreneurial strategies, development of comprehensive business plans, funding of start-up operations and management of rapid growth, all in preparation to launch and manage successful new ventures. Case analysis enables students to practice strategic decision-making for a variety of start-up scenarios, and course learning is applied through creation of a detailed business plan for a new business venture. Students will use many different software applications to create their documents including a final technology-based presentation.
**COMMUNICATIONS, MEDIA & PUBLIC POLICY (CMPP):** Students develop the analytical, media literacy, critical thinking and communication skills required for success in the 21st century digital world. Students apply these skills by completing real projects solving real problems for real-life clients.

<table>
<thead>
<tr>
<th>Course Title</th>
<th>School(s):</th>
<th>Grade(s):</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BROADCAST COMMUNICATION</strong></td>
<td>Skyline</td>
<td>11</td>
</tr>
<tr>
<td><strong>Course #:</strong> 222021</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Duration:</strong> 1 Term</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Credit/Term:</strong> 0.5</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Meets Grad Requirements:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Prerequisite:</strong> Multimedia Production</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>NCAA Status:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>This course covers the practical and legal aspects of mass communication. Students use multimedia projects as a basis for learning how to successfully navigate through the broadcast communication process. Students gain expertise in federal guidelines for broadcasting industry. Students examine the impact of communication law as it relates to the copyrights and the Internet, and constitutional guarantees of freedom of speech. Students apply their knowledge of these regulations to examine what public interests are served by current regulations and public policy issues resulting from the gap between technological advances and current regulations.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| **DIGITAL MEDIA & EFFECTIVE COMMUNICATION** | Skyline    | 12        |
| **Course #:** 222031                    |            |           |
| **Duration:** 1 Term                    |            |           |
| **Credit/Term:** 0.5                    |            |           |
| **Meets Grad Requirements:**            |            |           |
| **Prerequisite:** Public Policy Internship |          |           |
| **NCAA Status:**                        |            |           |
| This project-based course provides an opportunity to apply knowledge of public policy, media literacy, multimedia production, and broadcast communication law to the delivery of audio and video information over the Internet. Students work collaboratively to create professional quality podcasts and video-on-demand. Student teams use public policy analysis as a foundation for developing issue-focused Internet based projects. |

| **FILM MAKING, DOCUMENTARY I**         | Skyline    | 11, 12    |
| **Course #:** 222041                    |            |           |
| **Duration:** 1 Term                    |            |           |
| **Credit/Term:** 0.5                    |            |           |
| **Meets Grad Requirements:**            |            |           |
| **Prerequisite:** None                  |            |           |
| **NCAA Status:**                        |            |           |
| This course focuses on the basic skills related to nonfiction film making including idea generation, and researching and writing, narration and interviewing skills for a specific project. The course covers the initial steps of film production including create and pitching a treatment to scheduling and budgeting. |

| **FILM MAKING, DOCUMENTARY II**        | Skyline    | 11, 12    |
| **Course #:** 222042                    |            |           |
| **Duration:** 1 Term                    |            |           |
| **Credit/Term:** 0.5                    |            |           |
| **Meets Grad Requirements:**            |            |           |
| **Prerequisite:** Film Making, Documentary I |          |           |
| **NCAA Status:**                        |            |           |
| This course is a practicum in filming and post-production focusing on continuity, refining dramatic structure and incorporating music and sound effects to produce a clear, dramatic documentary. |

| **LAW**                                | Skyline    | 10, 11, 12|
| **Course #:** 201011                    |            |           |
| **Duration:** 1 Term                    |            |           |
| **Credit/Term:** 0.5                    |            |           |
| **Meets Grad Requirements:**            | General Elective |      |
| **Prerequisite:** None                  |            |           |
| **NCAA Status:** APPROVED               |            |           |
| This course will focus on an examination of the purpose of law; fundamental principles and values underlying the U.S. Constitution; laws and legal systems; principles and procedures related to criminal law; the juvenile justice system; principles and procedures related to civil law; and current issues and controversies related to law and the legal system. This course will be an elective option. |

Course offerings are subject to sufficient enrollment; course offerings and descriptions are subject to change.

Ann Arbor Public Schools

2020-2021 High School Course Guide
**SKYLINE MAGNET**

### MULTIMEDIA PRODUCTION

**Course #:** 222011  
**School(s):** Skyline  
**Grade(s):** 11  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** VPAA  
**Prerequisite:** Public Policy and the Media  
**NCAA Status:**

This project-based course covers every stage of the audio and video production process including planning, production (scripting, storyboarding, framing, lighting and audio techniques) and editing (including special effects, titles and credits). Students also learn how to use and care for professional quality camera, audio and lighting equipment. Students use their knowledge of public policy analysis, media literacy and multimedia production to raise awareness about a current problem or policy issue.

### PUBLIC POLICY AND THE MEDIA

**Course #:** 221021  
**School(s):** Skyline  
**Grade(s):** 10  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** US Government  
**Prerequisite:** Public Policy, Introduction to  
**NCAA Status:**

This course involves the study of media literacy with a focus on the accessing, analyzing, evaluating and creating messages in a variety of forms. Students apply policy analysis skills to the analysis of form and content of media messages. The course also includes an in-depth examination of the media’s function and role in the political process. Students learn about the relationship between the media and public policy and, in the process, improve their visual, media, critical thinking and information literacies.

### PUBLIC POLICY INTERNSHIP

**Course #:** 221053  
**School(s):** Skyline  
**Grade(s):** 12  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** VPAA  
**Prerequisite:** Broadcast Communication  
**NCAA Status:**

Students complete a comprehensive public policy analysis project and use multimedia technology to communicate the results of the analysis. Students working independently on a current policy issue will define a problem, investigate the problem, identify solutions, recommend solutions and evaluate effectiveness. Students will complete the work associated with pre-production, production and post-production required to produce a professional quality multimedia project to raise awareness about the issue. All students are expected to demonstrate proficiency in each of the creative steps required for successful production. Student work will be showcased and evaluated by a panel of local policy experts.

### PUBLIC POLICY RESEARCH

**Course #:** 225011  
**School(s):** Skyline  
**Grade(s):** 12  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** Digital Media & Effective Communication  
**Prerequisite:** None  
**NCAA Status:**

Students complete a comprehensive public policy analysis project and use multimedia technology to communicate the results of the analysis. This course gives students an opportunity to complete a comprehensive policy analysis project and use multimedia technology to communicate the results of the analysis. Students, working independently or on behalf of a local non-profit client, will define a problem, investigate the problem, identify solutions, recommend solutions and evaluate effectiveness. Students will complete the work associated with pre-production and post-production phases required to produce a professional quality multimedia project for the client.

### PUBLIC POLICY, INTRODUCTION TO

**Course #:** 221011  
**School(s):** Skyline  
**Grade(s):** 10  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** None  
**Prerequisite:** None  
**NCAA Status:**

This project-based course introduces the concept of public policy. Public policies are the regulations, decisions and actions of government that affect everyone’s lives. Students gain expertise in using a systematic process to examine real-world public policy issues. Case studies related to individual rights, healthy families, cultural diversity or a sustainable environment provide the basis for policy analysis projects. Students use a combination of independent work and teamwork to gather information about the public policy issue, analyze the information and consider solutions to the issue.

Course offerings are subject to sufficient enrollment; course offerings and descriptions are subject to change.  
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2020-2021 High School Course Guide
## SKYLINE MAGNET

### SKYLINE TV NEWS

**Course #:** 103047

**School(s):** Skyline

**Grade(s):** 11, 12

<table>
<thead>
<tr>
<th>Duration:</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 term</td>
<td>0.5</td>
<td></td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

This course gives students the opportunity to create video versions of Skyline announcements and other news segments, that air during the weekly Skytime class. Regular video segments include Skyline Announcements, Skyline Sports, School Events, CMPP Policy Issues, club meetings, current events and Student Action Senate news. Students learn pre-production (developing a treatment, storyboard and shotlist), production (shooting video) and post-production (editing) using professional quality equipment. Students work as a team of directors, producers, talent writers, camera and audio to produce each edition of the Skyline News.

Experience in Final Cut Pro is recommended but not required.
SKYLINE MAGNET

DESIGN, TECHNOLOGY, ENGINEERING & PROTOTYPING (DTEP): Students explore innovations that change and shape our human world. They apply science, technology, engineering, and mathematics to find practical solutions for real-world issues. Through hands-on, problem-solving activities, students will understand how technology and society affect each other. Utilizing computer design, prototyping, and modeling systems students focus on technological innovations for an environmentally sustainable society.

ENGINEERING DESIGN

Project Lead The Way

School(s): Skyline

Course #: 671012, 671013

Grade(s): 9, 10, 11, 12

Duration: 2 Trimesters
Credit/Term: 0.5
Meets Grad Requirements: Math Elective (0.5 per term) or VPAA: Art (0.5 per term)
Prerequisite: None
NCAA Status

This course uses problem-solving skills to explore creative designs and alternative solutions for problems facing our world today by using a design system approach. Students will design, analyze, and communicate possible solutions to a variety of environmental and technological problems. 3-dimensional models will be created using solid modeling computer design software. Possible tools include laser engraving and rapid prototyping.

This course may be taken as an elective by all Skyline students. College credit may be articulated with the National Affiliate/PLTW Exemplary Student Recognition program.

ENGINEERING DESIGN AND DEVELOPMENT

Project Lead The Way

School(s): Skyline

Course #: 671042, 671043, 671044

Grade(s): 12

Duration: Year
Credit/Term: 0.5
Meets Grad Requirements
Prerequisite: Design Technology & Environmental Planning Magnet Student
NCAA Status

Students work in teams to identify, research, design and construct a solution to an open-ended engineering problem, with its environmental impact in mind. Students apply principles developed in the three preceding courses and are guided by a community mentor. Teams present progress reports, submit a final written report, and defend their solutions to a panel of outside reviewers at the end of the school year.

ENGINEERING RESEARCH

School(s): Skyline

Course #: 671034

Grade(s): 12

Duration: 1 Term
Credit/Term: 0.5
Meets Grad Requirements
Prerequisite: Engineering Design and Engineering, Principles of
NCAA Status

This capstone course gives students the opportunity to work with a mentor, identify an engineering research topic, conduct research, write a scientific paper, and defend conclusions and recommendations to a panel of outside reviewers. Each team will have one or more mentors from the engineering and/or technical community guiding their research.

Capstone project of their senior project may also include job, internship, partnership, science project, research, and community outreach.

This senior year project can take place during any senior year trimester. Includes Engineering, Design and Development.

This course may be repeated for credit.

Course offerings are subject to sufficient enrollment; course offerings and descriptions are subject to change.
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ENGINEERING, PRINCIPLES OF
Project Lead The Way

Course #: 671027, 671028
Grade(s): 10, 11

Duration: 2 Trimesters
Credit/Term: 0.5
Meets Grad Requirements: Math Elective (0.5 per term)
Prerequisite: Engineering Design
NCAA Status: Meets Grad Requirements

This course provides an overview of the field of engineering and engineering technology. By exploring various technology systems and manufacturing processes, students learn how the engineering problem-solving process uses math, science and technology to benefit society. A product’s entire life cycle will be analyzed to help address concerns about its environmental, social, and political consequences. Possible areas of interest include alternative energy, waste management, transportation, aerodynamics, material analysis, and construction.

*Offered as CTE elective sequence of Engineering & Design course.

This course may be taken as an elective by all Skyline students.

College credit may be articulated with the National Affiliate/PLTW Exemplary Student Recognition program.
**HEALTH & MEDICINE (H&M):** Students explore global health issues that include medical care, biomedical technology, innovations, research, and preventative health practices. Students partner with practitioners to investigate applications in health, wellness, and medicine. This magnet includes a research and development component.

<table>
<thead>
<tr>
<th><strong>BIOMEDICAL INNOVATIONS</strong></th>
<th><strong>Course #:</strong> 401040</th>
<th><strong>School(s):</strong> Skyline</th>
<th><strong>Grade(s):</strong> 12</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Duration:</strong> 1 Term</td>
<td><strong>Credit/Term:</strong> 0.5</td>
<td><strong>Meets Grad Requirements:</strong></td>
<td><strong>Prerequisite:</strong> Medical Interventions I &amp; II Health &amp; Medicine Magnet Students only</td>
</tr>
</tbody>
</table>

In this capstone course, students apply their knowledge and skills to answer questions or solve problems related to the biomedical sciences. Students design innovative solutions for the health challenges of the 21st century as they work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health. They have the opportunity to work on an independent project and may work with a mentor or advisor from a university, hospital, physician’s office, or industry. Throughout the course, students are expected to present their work to an adult audience that may include representative from the local business and healthcare community.

<table>
<thead>
<tr>
<th><strong>BIO MEDICAL SCIENCE, PRINCIPLES OF I</strong></th>
<th><strong>Course #:</strong> 871011, 871012</th>
<th><strong>School(s):</strong> Skyline</th>
<th><strong>Grade(s):</strong> 9, 10*</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Duration:</strong> 1 Term each</td>
<td><strong>Credit/Term:</strong> 0.5</td>
<td><strong>Meets Grad Requirements:</strong></td>
<td><strong>Prerequisite:</strong> *10th grade-Health &amp; Medicine Magnet Students only</td>
</tr>
</tbody>
</table>

These courses provide an introduction to health and medical sciences through “hands-on” projects and problems. Student work involves the study of health, human medicine, and research processes. By investigating the factors that led to the death of a fictional person, students will study the human body systems and various health conditions such as heart disease, diabetes, sickle-cell disease, cholesterol, and infectious diseases. After determining the factors responsible for the death, students investigate the preventative health practices, such as lifestyle choices, healthy schools, healthcare treatment and medical treatments that might have prolonged the person’s life. In addition, students will explore the ethical issues, genetics, social conditions, cultural factors and public health policies that impacted the person’s health and health care.

This course may be taken as an elective by 9th grade Skyline students.

<table>
<thead>
<tr>
<th><strong>EPIDEMIOLOGY</strong></th>
<th><strong>Course #:</strong> 871081</th>
<th><strong>School(s):</strong> Skyline</th>
<th><strong>Grade(s):</strong> 10, 11, 12</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Duration:</strong> 1 Term</td>
<td><strong>Credit/Term:</strong> 0.5</td>
<td><strong>Meets Grad Requirements:</strong></td>
<td><strong>Prerequisite:</strong> Biology A</td>
</tr>
</tbody>
</table>

This course provides an introduction to understanding diseases that affect human populations, how we control a disease or outbreak and how we prevent the spread of disease to improve the health of local, state and our nation’s populations. The goal of this course is to understand the issues facing our public safety in regards to individuals, clinics, public health, community, and research levels. We will study epidemiology, public health protection, describe the interventions for improving our nations health that are supported by professional guidelines, describe the responsibilities of persons concerned with disease control, and describe areas of care that need further research.

This course is open to all Skyline students.

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Course offerings are subject to sufficient enrollment; course offerings and descriptions are subject to change.

Ann Arbor Public Schools

2020-2021 High School Course Guide
### HEALTH & PUBLIC POLICY I

**School(s):** Skyline  
**Grade(s):** 10, 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Terms</td>
<td>0.5</td>
<td>Science Elective</td>
<td>Principles of Biomedical Science I &amp; II (Health &amp; Medicine magnet students only)</td>
<td></td>
</tr>
</tbody>
</table>

Students in this course will be introduced to health care in our city, state, and the United States and how it influences personal and social choices. An overview of key health services issues including quality, access, financing, insurance, ethics, and delivery systems plus an introduction to health care policy and politics. Students will be introduced to laws and ethics related to health, health care, and public health administration. Related disciplines include marketing, finance, management, organizations and systems, and decision analyses. Current health services delivery issues will be addressed from policy perspectives. Guest speakers, debates, and development of issue papers are used to explore implications for access and quality of health care. Students will gain an understanding of how changes in the health care market affect care for underserved populations and develop strategies to ensure that the needs of these populations are met.

This course is open to all Skyline students; it is a required 2-trimester course for 10th grade Health and Medicine magnet students who took Principles of Biomedical Science in 9th grade. Each term of this course satisfies 0.5 science elective credit.

### HUMAN ANATOMY AND PHYSIOLOGY

**School(s):** Skyline  
**Grade(s):** 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td></td>
<td>Biology A</td>
<td></td>
</tr>
</tbody>
</table>

This course provides a comprehensive study of the anatomy and physiology of the human body. Topics include body organization, homeostasis, metabolism, electrolyte balance, endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, integumentary, skeletal, muscular, nervous systems, and special senses. Upon completion, students should be able to demonstrate an in-depth understanding of principles of anatomy and physiology and their interrelationships.

*For Anatomy & Physiology, please see Course 406041.*

### HUMAN BODY SYSTEMS I  
**School(s):** Skyline  
**Grade(s):** 11

<table>
<thead>
<tr>
<th>Duration</th>
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<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term each</td>
<td>0.5</td>
<td>Biomedical Science, Principles of I &amp; II Health &amp; Medicine Magnet Students only</td>
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<td></td>
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</tbody>
</table>

The human body is a complex system requiring care and maintenance. This course will engage students in the study of basic human physiology, especially in relationship to human health. Students will study different global healthcare system practices, and use a variety of procedures and instruments to examine body systems (respiratory, circulatory, nervous, etc.) at rest and under stress, and observe the interactions between these systems. Student work will include conducting research and inquiry experiments in health and medicine as well as socialized factors that exist among communities and populations. Students will use software to design and build systems to monitor body functions in relationship to human health and monitor public health systems. Students will understand that to have a healthy human body it must be maintained and that new technologies have created both medical advances and ethical dilemmas.
### MEDICAL INTERVENTIONS I

**Course #:** 871031, 871032  
**Grade(s):** 12  

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
</thead>
</table>
| 1 Term each | 0.5 | | Human Body Systems I & II  
Health & Medicine Magnet  
Students only | |

Medical practice includes interventions to support humans in treating diseases and conditions as well as maintaining health. Student projects will investigate various medical interventions that extend and improve quality of life, including gene therapy, pharmacology, surgery, prosthetics, rehabilitation, and supportive care. Students will study the design and development of various medical devices including vascular stints, cochlear implants, and prosthetic limbs. Students will study the care and rehabilitation delivered by the healthcare system professionals. Student work will include conducting research and inquiry experiments in health, medicine and social factors/policies that safely influence health equity. They will research the history of organ transplants and gene therapy, and review current health and medical literature to be aware of cutting edge developments. Using 3-D imaging software and current scientific research, students will design and build a model of a therapeutic protein.

Health & Medicine Magnet Students only.

### MEDICAL SCIENCE RESEARCH

**Course #:** 871041, 871042, 871043, 871044  
**Grade(s):** 12  

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
</thead>
</table>
| 1 Term | 0.5 | | Medical Interventions II,  
Health & Medicine Magnet  
Students only | |

This capstone course gives students the opportunity to work with a mentor, identify a science research topic, conduct research, write a scientific paper, and defend conclusions and recommendations to a panel of outside reviewers. Each team will have one or more mentors from the scientific and/or medical community guiding their scientific research. Capstone project of their senior project may also include job, internship, partnership, science project, research, and community outreach. Students are encouraged to complete their remaining Service Learning hours in conjunction with their senior project/work experience/job shadow/ or internship.

This senior year project can take place during any senior year trimester. Includes Health and Medicine Senior Seminar. May be repeated for credit.

### SCIENCE OF WELLNESS

**Course #:** 871063  
**Grade(s):** 10, 11  

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td></td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

Student work involves the study of human medicine, epidemiology, food chemistry, research processes and an introduction to public health and policy. A theme throughout the course is to determine the factors that lead to the obesity epidemic in the USA. Students investigate lifestyle choices and medical treatments, heart-healthy lifestyles, with hopes of reducing their future risk of cardiovascular disease and diabetes. Students will be directly involved in outreach program delivered to public school students in partnership with The University of Michigan Cardiovascular Center, MFit and Project Healthy Schools.

This course is open to all Skyline students. May be repeated for credit.
# SOCIAL STUDIES

## AFRICAN-AMERICAN STUDIES

<table>
<thead>
<tr>
<th>Course #</th>
<th>Grade(s)</th>
<th>School(s):</th>
</tr>
</thead>
<tbody>
<tr>
<td>204031</td>
<td>10, 11, 12</td>
<td>*Huron, *Pathways, Skyline</td>
</tr>
</tbody>
</table>

- **Duration:** 1 Term
- **Credit/Term:** 0.5
- **Meets Grad Requirements:** General Elective
- **Prerequisite:** None
- **NCAA Status:** APPROVED

The purpose of this course is to develop an appreciation and understanding of African-American culture, its historical, political, and social significance and its impact on the total society. It deals with the African origin and leads up through 21st century America.

*At Huron and Pathways this course is only offered in grades 11 & 12.*

## ECONOMICS

<table>
<thead>
<tr>
<th>Course #</th>
<th>Grade(s)</th>
<th>School(s):</th>
</tr>
</thead>
<tbody>
<tr>
<td>201021</td>
<td>10, 11, 12</td>
<td>Pathways, Pioneer, *Skyline</td>
</tr>
</tbody>
</table>

- **Duration:** 1 Term
- **Credit/Term:** 0.5
- **Meets Grad Requirements:** Economics
- **Prerequisite:** None
- **NCAA Status:** APPROVED

This course is designed to promote the understanding of basic economic concepts on the local, national, and international level. It will also explore the roles of consumers and producers. Throughout this course students will learn from discussions, research, and interactive activities.

*At Skyline, this course is offered beginning 3rd Trimester for 10th grade.*

## ECONOMICS IB

<table>
<thead>
<tr>
<th>Course #</th>
<th>Grade(s)</th>
<th>School(s):</th>
</tr>
</thead>
<tbody>
<tr>
<td>IB201021</td>
<td>10</td>
<td>Huron</td>
</tr>
</tbody>
</table>

- **Duration:** 1 Term
- **Credit/Term:** 0.5
- **Meets Grad Requirements:** Economics
- **Prerequisite:** History & Geography World
- **NCAA Status:** APPROVED

Economics (IB) is intended to help students develop their understanding of the fundamental concepts of economics. The course will cover all of the economic social studies standards. This course is intended for 10th grade students. It will serve as an introductory class that will prepare students for upper level social studies courses and will meet the State of Michigan economics-social studies graduation requirement. The performance expectations of the course will focus on skills such as; analyzing economic systems, understanding changes in the market, evaluating changes in the business cycle, explaining monetary and fiscal policy responses to changes in the business cycle, and discussing the role of choice in regards to the usage of scarce resources from multiple perspectives that include households, firms, domestic economies, and the global economy.

## ECONOMICS, BUSINESS

<table>
<thead>
<tr>
<th>Course #</th>
<th>Grade(s)</th>
<th>School(s):</th>
</tr>
</thead>
<tbody>
<tr>
<td>201023</td>
<td>11, 12</td>
<td>Skyline</td>
</tr>
</tbody>
</table>

- **Duration:** 1 Term
- **Credit/Term:** 0.5
- **Meets Grad Requirements:** None
- **NCAA Status:** APPROVED

This course is designed to help students become better participants in the economics process. The course draws upon a number of real-world events and problems to introduce and apply economic concepts. Students learn basic economic principles as well as business operations. The students learn how to operate their own business, prepare a business plan, conduct market research, raise capital, produce and sell product, and maintain records.

Credit given toward the Business Magnet at Skyline.

Course offerings are subject to sufficient enrollment; course offerings and descriptions are subject to change.
### GENDER STUDIES

**School(s):** Community, Huron  
**Grade(s):** 9*, 10*, 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td></td>
<td>None</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

This course provides students the opportunity to examine current issues in relation to women and gender roles. Students will look at the roles women had, and were expected to have, as well as what occurred when people have deviated from traditional roles and the consequences of that deviation for both men and women. Political, legal, religious and health issues are also discussed as they concern women and men historically and currently. The course takes a multicultural approach and utilizes a variety of class formats including lectures, discussions, and guest speakers. Primary source materials, and a project are included in the course requirements.

**At Community, this course is offered in grades 9-12.**

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### GLOBAL POLITICS SL IB

**School(s):** Huron  
**Grade(s):** 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Year</td>
<td>0.5</td>
<td>US Government</td>
<td>None</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

Global Politics SL (IB) allows students to explore basic fundamental political concepts. It is designed for students to develop an understanding of the local, national, international, and global dimensions of political activity and processes, as well to explore political issues affecting their own lives. The course is intended for 11th and 12th grade students, and will serve as a component of the IB Diploma Program. This course satisfies the Individuals and Societies requirement for Full IB Diploma students.

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### GLOBAL RELATIONS MODERN

**School(s):** Skyline  
**Grade(s):** 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td>General Elective</td>
<td>None</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

This course will focus on significant topics in World History since the end of World War II. A major goal of the course is to encourage an understanding and evaluation of current world events in light of their historical background. Students will be expected to read current news publications in addition to assigned text materials and will be engaged in an examination of a key world conflict or problem throughout the course.

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### GOVERNMENT AND POLITICS, U.S., A.P

**School(s):** *Huron, Pathways **Pioneer, Skyline  
**Grade(s):** 10, 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Terms</td>
<td>0.5 per term</td>
<td>US Government</td>
<td>None</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

The course is designed to give students a critical perspective on politics and government. This course involves both the study of general concepts used to interpret United States politics and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs, and ideas that make up the American political reality.

This course includes preparation for the Advanced Placement examination, for college credit, as one of its objectives. However, students electing the course are not obligated to take the examination. AP testing occurs in May.

**At Huron, this course is offered in 10th grade.**  
**At Pioneer, this course is offered in grades 11 & 12.**
**SOCIAL STUDIES**

### GOVERNMENT, U.S.

**Course #: 201041**  
**School(s):** *Community, Pathways, **Pioneer, ***Skyline*  
**Grade(s):** 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration: 1 Term</th>
<th>Credit/Term 0.5</th>
<th>Meets Grad Requirements US Government</th>
<th>Prerequisite: None</th>
<th>NCAA Status APPROVED</th>
</tr>
</thead>
</table>

This course offers special emphasis on the purposes of government, the historical evolution of the American political system, the U.S. Constitution, the branches of the national government, the elective process, and a review of state and local government.

*At Community, this course is offered in grades 9-12.  
**At Pioneer, this course is offered in grades 11 & 12.  
***At Skyline, this course is offered in 10th grade in Trimester 3.

### GOVERNMENT, U.S. IB

**Course #: IB201041**  
**School(s):** Huron  
**Grade(s):** 10

<table>
<thead>
<tr>
<th>Duration: 1 Term</th>
<th>Credit/Term 0.5</th>
<th>Meets Grad Requirements US Government</th>
<th>Prerequisite: History &amp; Geography World</th>
<th>NCAA Status APPROVED</th>
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</table>


### HISPANIC-AMERICAN STUDIES

**Course #: 204035**  
**School(s):** Skyline  
**Grade(s):** 11, 12

<table>
<thead>
<tr>
<th>Duration: 1 Term</th>
<th>Credit/Term 0.5</th>
<th>Meets Grad Requirements General Elective</th>
<th>Prerequisite: None</th>
<th>NCAA Status APPROVED</th>
</tr>
</thead>
</table>

The purpose of this course is to develop an appreciation and understanding of Hispanic-American culture, its historical, political, and social significance and its impact on the total society. It deals with the Hispanic origin and leads up through 20th century America.

### HISTORY AND GEOGRAPHY, U.S.

**Course #: 203012**  
**School(s):** Community, Pathways,  
*Pioneer, *Skyline  
**Grade(s):** 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration: 2 Terms 0.5 per term</th>
<th>3 Terms-Pathways</th>
<th>Credit/Term 0.5</th>
<th>Meets Grad Requirements US History &amp; Geography</th>
<th>Prerequisite: None</th>
<th>NCAA Status APPROVED</th>
</tr>
</thead>
</table>

The historical development of our nation is studied to help students know how its social, cultural and political institutions developed. Students will, therefore, comprehend the causes of the problems which exist in contemporary society. Attention will be given to an analysis of the effects of the unique multiethnic/multicultural composition of this country's population on the evolution of its national history. The first term covers a brief review of early American history to reconstruction and focus is on the late 1800's through the Great Depression. The second term covers the development of modern America through the 20th century to the present. Research projects and reading outside the text are required both terms. The course content covers a brief overview of early American history with focus on the late 1800's to the present.

*At Pioneer & Skyline, this course is offered in 10th grade.*

Course offerings are subject to sufficient enrollment; course offerings and descriptions are subject to change.

Ann Arbor Public Schools  
2020-2021 High School Course Guide
### HISTORY AND GEOGRAPHY, U.S. - ELL

<table>
<thead>
<tr>
<th>Course #:</th>
<th>203011</th>
</tr>
</thead>
<tbody>
<tr>
<td>School(s):</td>
<td>Huron</td>
</tr>
<tr>
<td>Grade(s):</td>
<td>10, 11, 12</td>
</tr>
</tbody>
</table>

**Duration:** Year

**Credit/Term:** 0.5

**Meets Grad Requirements:** US History & Geography

**Prerequisite:** None

**NCAA Status:** APPROVED

This course is designed to meet English language learning needs, provide the necessary cultural and historical background knowledge, as well as facilitate the U.S. History content demands for the English language learners. Students will discover American history beginning with the formation of the American nation and conclude with experiences of the United States in the modern era. American geography will also be a focus, including both state and physical maps, and the influence of geography on American growth. An emphasis will be placed on skills relating to graph, table, chart and image interpretation to assist students with their comprehension of history information.

### HISTORY AND GEOGRAPHY, WORLD

<table>
<thead>
<tr>
<th>Course #:</th>
<th>203021</th>
</tr>
</thead>
<tbody>
<tr>
<td>School(s):</td>
<td>Community, Pathways, Pioneer, Skyline</td>
</tr>
<tr>
<td>Grade(s):</td>
<td>9*, 10, 11, 12</td>
</tr>
</tbody>
</table>

**Duration:** 2 Terms

**Credit/Term:** 0.5 per term

**Meets Grad Requirements:** World History & Geography

**Prerequisite:** None

**NCAA Status:** APPROVED

This course examines the world chronologically and thematically. The purpose of this course is to enable students to understand their connections to the development of civilizations. They will examine the past to prepare for their futures as participating members of a global community. Students will use knowledge pertaining to history, geography, economics, political processes, religion, ethics, diverse cultures, and humanities to address contemporary problems in academic, civic, social, and employment settings.

*This course is the 9th grade course for high school students.

### HISTORY AND GEOGRAPHY, WORLD IB

<table>
<thead>
<tr>
<th>Course #:</th>
<th>IB203021</th>
</tr>
</thead>
<tbody>
<tr>
<td>School(s):</td>
<td>Huron</td>
</tr>
<tr>
<td>Grade(s):</td>
<td>9</td>
</tr>
</tbody>
</table>

**Duration:** 1 Year

**Credit/Term:** 0.5

**Meets Grad Requirements:** US History & Geography

**Prerequisite:** None

**NCAA Status:** APPROVED

World History and Geography (IB) is intended intended for 9th grade students and follows the World History class from 7th grade. It will serve as an introductory class that will prepare students for upper level social studies courses and will meet the State of Michigan world history graduation requirement. The performance expectations of the course will focus on inquiry-based exercises, research and collaborative projects as well as academic skills including note-taking, group and individual comprehension skills.
HISTORY HL YR 1 IB
Course #: IB209200, IB209201

Duration: 1 Year each
Credit/Term: 0.5
Meets Grad Requirements: US History & Geography
Prerequisite: NCAA Status
School(s): Huron
Grade(s): 11, 12

The History HL Yr1 (IB) is the first year of a two-year course that is based on a comparative and multi-perspective approach to history. It is evidence-based and involves a rigorous exploration of the past with an emphasis on the global perspective. The standard level IB course (year one of the HL) will explore themes of Global War, including the rise of Authoritarian States and the cause and effects of 20th Century Wars. It will also stress the role the United States played in the 20th Century. The content of this course will also cover all the Michigan High School Social Studies Content Expectations for U.S. History and Geography. The second year (HL) will focus on a history of Europe highlighting the Renaissance, Absolutism, Enlightenment and the First World War. This course satisfies the Individuals and Societies requirement for Full IB Diploma students.

HISTORY HL YR 2 IB

Duration: 1 Year each
Credit/Term: 0.5
Meets Grad Requirements: US History & Geography
Prerequisite: NCAA Status
School(s): Huron
Grade(s): 11, 12

The History HL Yr2 (IB) course is the second year of a two-year course that is based on a comparative and multi-perspective approach to history. It is evidence-based and involves a rigorous exploration of the past with an emphasis on the global perspective. The standard level IB course (year one of the HL) will explore themes of Global War, including the rise of Authoritarian States and the cause and effects of 20th Century Wars. It will also stress the role the United States played in the 20th Century. The content of this course will also cover all the Michigan High School Social Studies Content Expectations for U.S. History and Geography. The second year (HL) will focus on a history of Europe highlighting the Renaissance, Absolutism, Enlightenment and the First World War. This course satisfies the Individuals and Societies requirement for Full IB Diploma students.

HISTORY OF THE HOLOCAUST
Course #: 982024

Duration: 1 Term
Credit/Term: 0.5
Meets Grad Requirements: General Elective
Prerequisite: 8th grade History
School(s): Skyline
Grade(s): 9, 10, 11, 12

Holocaust education requires a comprehensive study of not only times, dates, and places, but also the motivation and ideology that allowed these events. In this course, students will study the history of anti-Semitism; the rise of the Nazi party; and the Holocaust, from its beginnings through liberation and the aftermath of the tragedy. The study of the Holocaust is a multidisciplinary one, integrating world history, geography, American history, and civics. Through this in-depth, semester-long study of the Holocaust, high school students will gain an understanding of the ramifications of prejudice and indifference, the potential for government-supported terror, and they will get glimpses of kindness and humanity in the worst of times.

HISTORY OF ROCK AND ROLL
Course #: 203042

Duration: 1 Term
Credit/Term: 0.5
Meets Grad Requirements: General Elective
Prerequisite: None
School(s): Skyline
Grade(s): 11, 12

Rock and Roll music has played a major role in U.S. history. Popular music has been the "voice" of the people during the 20th century. Powerful social, political, and economic messages have existed in music. Student will xamine the influence of rock and roll music on major historical trends: Harlem Renaissance, Great Depression, Native Americans, Women's Rights Movement, World War II, Civil Rights Movement, and the Vietnam War. Artists will include: Joan Baez, Cab Calloway, Johnny Cash, CSNY, George Clinton, Aretha Franklin, Jimi Hendrix, Billie Holiday, Iron Maiden, Spike Jones, etc. The eight genres of rock and roll will be studied: country, folk, pop, jazz, rhythm and blues, blues/soul, and gospel (white & black).
### HISTORY SL IB

**School(s):** Huron  
**Course #:** IB209101  
**Grade(s):** 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Year</td>
<td>0.5</td>
<td>US History &amp; Geography</td>
<td>None</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

The History SL (IB) course is based on a comparative and multi-perspective approach to history. It is evidence-based and involves a rigorous exploration of the past with an emphasis on the global perspective. The will explore themes of global war, including the rise of Authoritarian States and the cause and effects of 20th Century Wars. It will also stress the role the United States played in the 20th Century. The content of this course will also cover all the Michigan High School Social Studies Content Expectations for U.S. History and Geography. This course satisfies the Individuals and Societies requirement for Full IB Diploma students.

### HISTORY, CURRENT

**School(s):** Huron, *Pioneer, *Skyline  
**Course #:** 203031  
**Grade(s):** 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td>General Elective</td>
<td>None</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

Too often, we are inclined to look at history without assessing its relationship to current events from a global perspective. Conversely, we often experience and witness current events without understanding their roots and history. This course will allow students to investigate the historical roots of contemporary issues found in the realms of politics, economics, the media, popular culture, education and race and gender issues.

*At Pioneer & Skyline this course is only offered in grades 11 & 12.

### HISTORY, EUROPEAN AP

**School(s):** Huron, Skyline  
**Course #:** 203023  
**Grade(s):** 10, 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Terms</td>
<td>0.5 per term</td>
<td>US History &amp; Geography</td>
<td>None</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

This course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the history of Europe between 1450 and the present. The program prepares students for college courses by making demands upon them equivalent to those made by freshman level college courses. Students will learn to assess historical materials - their relevance to a given interpretive problem, their validity, their nature of bias, the point of view, and their importance - and to weigh the evidence and interpretations presented in historical scholarship. One major goal is to develop and practice the skills necessary to arrive at conclusions or informed judgments and to present reasons and evidence clearly and persuasively in essay format. Students will be required to apply the effort necessary to act as an historian.

This course has preparation for the Advanced Placement examination, for college credit, as one of its objectives. However, students electing the course are not obligated to take the examination. AP testing occurs in May.

### HISTORY, U.S. - ALTERNATE PERSPECTIVES

**School(s):** Community  
**Course #:** 203008  
**Grade(s):** 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year</td>
<td>0.5</td>
<td>US History &amp; Geography</td>
<td>None</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

This course will include the study of U.S. history from approximately 1860 to the present, but from different points of view. For example, we know about white abolitionists and their questions to slavery, but what were the thoughts, plans, actions of enslaved Americans and other people of color who contributed to the building of this nation? What was the Native American perception of the settlement of the West? These questions and many others will be addressed in this special course with a unique perspective on U.S. history.
### HISTORY, U.S. AP

<table>
<thead>
<tr>
<th>Course #:</th>
<th>203016</th>
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<tbody>
<tr>
<td>Grade(s):</td>
<td>10, 11, 12</td>
</tr>
</tbody>
</table>

- **School(s):** *Huron, **Pioneer, Skyline*
- **Duration:** 2 Terms, 3 Terms-Skyline
- **Credit/Term:** 0.5 per term
- **Meets Grad Requirements:** US History & Geography
- **Prerequisite:** None
- **NCAA Status:** APPROVED

This course undertakes a general survey of American history. It is distinguished from other high school American history courses in that it places emphasis on historiography, comparisons of historical interpretations, and the use of original resources. Students are expected to read a wide variety of materials and to pursue individual study. This course will focus on our country’s major cultural, political and social institutions as well as the contributions and struggles of the people during the growth and development of the United States. The course also places a greater emphasis on writing. In his/her writing, the student is encouraged to use analytic techniques, to interpret data and points of view, to make generalizations, draw conclusions, to use footnotes and bibliography, as well as to improve skills in writing the essay.

This course has preparation for the Advanced Placement examination, for college credit, as one of its objectives. However, students electing the course are not obligated to take the examination. AP testing occurs in May.

*At Huron, this course is offered in 11th grade.

**At Pioneer, this course is offered in 10th grade.

### HISTORY, WORLD IN FILM

<table>
<thead>
<tr>
<th>Course #:</th>
<th>203041</th>
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<tbody>
<tr>
<td>Grade(s):</td>
<td>10, 11, 12</td>
</tr>
</tbody>
</table>

- **School(s):** Huron, Pioneer, Skyline
- **Duration:** 1 Term
- **Credit/Term:** 0.5
- **Meets Grad Requirements:** General Elective
- **Prerequisite:** None
- **NCAA Status:**

This is a class designed to look at how historical events are portrayed in film. We will view films related to different historical events and discuss their strengths and weaknesses in terms of portraying the events and the facts surrounding the events.

### HUMAN GEOGRAPHY, AP

<table>
<thead>
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<th>Course #:</th>
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<tbody>
<tr>
<td>Grade(s):</td>
<td>10, 11, 12</td>
</tr>
</tbody>
</table>

- **School(s):** Skyline
- **Duration:** 2 Trimesters
- **Credit/Term:** 0.5
- **Meets Grad Requirements:**
- **Prerequisite:** None
- **NCAA Status:** APPROVED

The purpose of this course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alterations of Earth’s surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. On successful completion of the course, students should be able to: use and think about maps and spatial data, understand and interpret the implications of associations among phenomena in places, recognize and interpret at different scales the relationships among patterns and processes, define regions and evaluate the regionalization processes, and characterize and analyze changing interconnections among places.

This course has preparation for the Advanced Placement examination, for college credit, as one of its objectives. However, students electing the course are not obligated to take the examination. AP testing occurs in May.
### HUMANITIES, AFRICAN-AMERICAN HISTORY AC

**HUMANITIES, AFRICAN-AMERICAN LITERATURE AC**

**School(s):** *Huron*, **Pioneer, ***Skyline

<table>
<thead>
<tr>
<th>Course #</th>
<th>Duration: 2 Terms (2 periods/term)</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
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<tbody>
<tr>
<td>203015 105014 105018, 105019</td>
<td></td>
<td>1.0 per term</td>
<td>English Elective or General Elective</td>
<td>Must be enrolled in both courses</td>
<td>APPROVED</td>
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</tbody>
</table>

**Grade(s):** 10, 11, 12 (see notes)

Traditional areas in U.S. history and literature are covered from an African-American perspective. An interdisciplinary approach is used incorporating African-American literature, art, music, and culture throughout the curriculum. This course utilizes a variety of materials and class activities including lectures, discussions, use of primary materials and projects. Research and reading outside the text are required both terms. Students are required to do concentrated reading of challenging materials and formal expository writing.

Students must select both courses and are expected to take both terms.

*At Huron, this course is only offered in grade 10.
**At Pioneer, this course is only offered in grades 11 & 12.
***At Skyline, this course is only offered in grade 12.
****US History & Geography credit and English 10 credit for Huron only.

### HUMANITIES, SOCIAL STUDIES AC

**HUMANITIES, LITERATURE AC**

**School(s):** Huron, Pioneer

<table>
<thead>
<tr>
<th>Course #</th>
<th>Duration: 2 Terms (2 periods/term)</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
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<tbody>
<tr>
<td>203022 105026 105027, 105028</td>
<td></td>
<td>1.0 per term</td>
<td>World History &amp; Geography and English Elective</td>
<td>Must be enrolled in both courses</td>
<td>APPROVED</td>
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</tbody>
</table>

**Grade(s):** 12

This course is designed for high school seniors who wish to study recognized classics of the Western world in an interdisciplinary setting. These works are read against a cultural background of art, music, and intellectual history, and in a chronological sequence. Students read challenging materials and formal expository writing. The course covers major works of art, music, literature, and economic and political philosophers central to Western Civilization. An attempt is made to integrate these disciplines chronologically in order to make the student aware of the impact of one discipline upon the other. The formal lecture is used extensively, together with small group discussions.

Students enrolling are expected to take both terms. There is no prerequisite to enroll in Humanities AC, but it is recommended that students have taken at least one literature course.
SOCIAL STUDIES

HUMANITIES, WORLD HISTORY AC
HUMANITIES, WORLD LITERATURE AC

School(s): Skyline
Course #: 203054
105029
Grade(s): 12

Duration: 2 Terms
(2 periods/term)
Credit/Term: 1.0 per term
Meets Grad Requirements: General Elective (1.0)
or English Elective (1.0)
Prerequisite: Must be enrolled in both courses
NCAA Status: APPROVED

This course is designed for high school seniors who wish to study world cultures in an interdisciplinary setting. Students are required to read challenging primary and secondary materials, participate in debate, and produce creative student-centered assignments. Students analyze literature, architecture, dance, philosophy, anthropology, history, theater, film, art, and music in a thematic sequence. The literature section uses the reading workshop and writing laboratory models as students engage in the rigorous exploration of world cultures. As a reading workshop, this course teaches students to do close analytical readings of challenging primary and secondary texts. Students work through these texts in an effort to make social, historical, ideological, and discursive connections among various cultures and time periods. Students should expect to thoroughly analyze a number of visual and printed mediums including critical essays, visual art, novels, poems, music, films, advertisements, plays, and television shows. Students will use a variety of analytical techniques such as dialogic journaling, annotated readings, and guided notes to delve into texts. As a writing laboratory, a great deal of attention is be given to the writing process. Critical theory, focused readings, substantive research, visual media, and rich discussions provide the basis for student writing. Students are expected to write formally and informally both inside and outside of the classroom.

Students must select both courses and are expected to take both terms.

LAW

School(s): Huron, *Pioneer, **Skyline
Course #: 201011
Grade(s): 9, 10, 11, 12

Duration: 1 Term
Credit/Term: 0.5
Meets Grad Requirements: General Elective
Prerequisite: None
NCAA Status: APPROVED

This course will focus on an examination of the purpose of law; fundamental principles and values underlying the U.S. Constitution; laws and legal systems; principles and procedures related to criminal law; the juvenile justice system; principles and procedures related to civil law; and current issues and controversies related to law and the legal system. This course will be an elective option.

*At Pioneer, this course is offered in grades 11 & 12.
**At Skyline, this course is offered in grades 10, 11, & 12.

LAW, ADVANCED

School(s): Community, Huron, Skyline
Course #: 201012
Grade(s): 9, 10, 11, 12

Duration: 1 Term
Credit/Term: 0.5
Meets Grad Requirements: General Elective
Prerequisite: Law
NCAA Status: APPROVED

This course will focus on an examination of the purposes of law; fundamental principles and values underlying the Constitution, laws and legal systems of the United States; principles and procedures related to criminal law; principles and procedures related to civil law; current issues and controversies relating to law and the legal system. The material covered in Law will be reviewed briefly. While similar topics will be covered, they will be covered in greater depth. Less attention will be paid to defining crimes and more attention will be given to examining real cases and social problems. At least one mock trial will be held. Short papers will be required.

Course offerings are subject to sufficient enrollment; course offerings and descriptions are subject to change.
Ann Arbor Public Schools 2020-2021 High School Course Guide
**LEADERSHIP IN SOCIAL JUSTICE & DIVERSITY**

- **School(s):** Skyline
- **Course #:** 208032
- **Grade(s):** 11, 12

**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:**  
**Prerequisite:** US History & Geography  
**NCAA Status:** Meets Grad Requirements

This course is designed for students of all races, ethnicity’s, gender orientation and backgrounds to develop their own cultural maturity and learn leadership skills that they can call on as they move on to higher education and careers in a multicultural society. Each quarter, students learn what Social Justice is through the lens of diversity, using history, literature, and the exploration of one’s identity. The course scope and sequence requires students to have a deeper understanding of themselves, their school, their community, their nation and their world. Concurrently, students are learning the necessary leadership skills to make change in themselves and the larger community.

This is a yearlong class open to students from all high schools.

**MACROECONOMICS AP**

- **School(s):** Huron, Pioneer, Skyline
- **Course #:** 201026
- **Grade(s):** 10, 11, 12

**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** Economics  
**Prerequisite:** None  
**NCAA Status:** APPROVED

AP Macroeconomics is a one term college-level course that provides an introduction to the principles of economics that apply to an economic system as a whole. Topics that will be discussed and examined in-depth will reflect the material included in the AP Macroeconomics Course Description from the College Board. These include an analysis of national income and its components, economic indicators, inflation and unemployment, money and banking, stabilization policies, and the United States and world trade. The course emphasizes the study of national income, price determination, economic performance measures, economic growth, and international economics.

This course has preparation for the Advanced Placement examination, for college credit, as one of its objectives. However, students electing the course are not obligated to take the examination. AP testing occurs in May.

*At Pioneer, this course is offered in grades 11 & 12.*

**MICROECONOMICS AP**

- **School(s):** Huron, Pioneer, Skyline
- **Course #:** 201025
- **Grade(s):** 10, 11, 12

**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** Economics  
**Prerequisite:** None  
**NCAA Status:** APPROVED

AP Microeconomics is a one term college-level course that provides an introduction to the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. Topics that will be discussed and examined in-depth will reflect the material included in the AP Microeconomics Course Description from the College Board. The course provides particular emphasis on the function of consumers and producers within the economic system. The course also offers analysis of the markets in which consumers and producers interact as well as non-market economics.

This course has preparation for the Advanced Placement examination, for college credit, as one of its objectives. However, students electing the course are not obligated to take the examination. AP testing occurs in May.

*At Pioneer, this course is offered in grades 11 & 12.*
### SOCIAL STUDIES

**MOCK TRIAL**

<table>
<thead>
<tr>
<th>Course #</th>
<th>201051</th>
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<tbody>
<tr>
<td>Grade(s)</td>
<td>9, 10, 11, 12</td>
</tr>
<tr>
<td>School(s)</td>
<td>Community, Huron</td>
</tr>
</tbody>
</table>

**Course Information**

- **Duration:** 1 Term
- **Credit/Term:** 0.5
- **Meets Grad Requirements:**
- **Prerequisite:** None
- **NCAA Status:**

Student teams prepare mock trial cases and participate in the Michigan High School Mock Trial Tournament. Students learn about trial procedure and rules and evidence and work with the teacher coach and attorney coaches to prepare a case for state competition in March or April. Team membership may include participation in the national tournament in May. Placement on a competitive team requires audition and coach approval. Teams meet outside of regular class hours, at night and on weekends.

*Second term registration with meetings starting in October.*

### NATIVE-AMERICAN STUDIES

<table>
<thead>
<tr>
<th>Course #</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Grade(s)</td>
<td>9, 10, 11, 12</td>
</tr>
<tr>
<td>School(s)</td>
<td>Community</td>
</tr>
</tbody>
</table>

**Course Information**

- **Duration:** 1 Year
- **Credit/Term:** 0.5
- **Meets Grad Requirements:**
- **Prerequisite:** None
- **NCAA Status:**

This course focuses on Native-American cultures of North America, pre-Columbian to contemporary Native communities. Specific tribes are chosen for a focus study of different geographic regions to demonstrate the diversity of Native culture. Tribal structure, belief systems, spiritual practices and economic systems are explored. Emphasis is placed on the Native-American experience and perspective; numerous works by Native peoples are included in course reading.

### PEACE STUDIES

<table>
<thead>
<tr>
<th>Course #</th>
<th>204034</th>
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</thead>
<tbody>
<tr>
<td>Grade(s)</td>
<td>9, 10, 11, 12</td>
</tr>
<tr>
<td>School(s)</td>
<td>Community</td>
</tr>
</tbody>
</table>

**Course Information**

- **Duration:** 1 Year
- **Credit/Term:** 0.5
- **Meets Grad Requirements:**
- **Prerequisite:** None
- **NCAA Status:**

From inner peace to world peace, students will read the works of numerous messengers of Peace such as Mahatma Gandhi, Martin Luther King, Jr., Thich Nhat Hahn, Rigoberta Menchu and Marine Corp. Major General Smedley Butler. Students monitor contemporary peace celebrations, organizations and demonstrations. They will study an area of conflict in the world today and discover the inroads and challenges to peaceful resolution. Methods of peacemaking are explored and discussed. Creativity and activism are encouraged but not required.

### PEER FACILITATING

<table>
<thead>
<tr>
<th>Course #</th>
<th>205021</th>
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</thead>
<tbody>
<tr>
<td>Grade(s)</td>
<td>10, 11, 12</td>
</tr>
<tr>
<td>School(s)</td>
<td>Community, Huron, Pioneer, Skyline</td>
</tr>
</tbody>
</table>

**Course Information**

- **Duration:** 1 Term
- **Credit/Term:** 0.5
- **Meets Grad Requirements:**
- **Prerequisite:** None
- **NCAA Status:**

The purpose of the course is to prepare students to serve as peer facilitators. Skills are developed through the study and practice of communication skills, self-exploration exercises, and decision-making and problem-solving techniques. Students are involved in class and small group discussions and role-playing situations. Students also work in pairs in practice peer facilitating sessions which are video taped and presented to the class for feedback and discussion. The students select the topics to study and speakers from the community are brought in to aid in the study. Topics generally center around the issues of family communication, divorce, stress, depression, suicide, death and grief, substance abuse, dating, sexuality, and the building of self esteem.

*This course is open second term to 10th grade students.*

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Course offerings are subject to sufficient enrollment; course offerings and descriptions are subject to change.
PHILOSOPHY

<table>
<thead>
<tr>
<th>Course #</th>
<th>204021</th>
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<tbody>
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<td>School(s)</td>
<td>Huron, *Pioneer</td>
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<tr>
<td>Grade(s)</td>
<td>10, 11, 12</td>
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</table>

<table>
<thead>
<tr>
<th>Duration:</th>
<th>1 Term</th>
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</thead>
<tbody>
<tr>
<td>Credit/Term:</td>
<td>0.5</td>
</tr>
<tr>
<td>Meets Grad Requirements:</td>
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</tr>
<tr>
<td>Prerequisite:</td>
<td>None</td>
</tr>
<tr>
<td>NCAA Status:</td>
<td>APPROVED</td>
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</tbody>
</table>

This course will examine some of the traditional and contemporary issues and problems of philosophy. Areas of consideration will include ethics, aesthetics, theories of knowledge, logic, freedom, responsibility, and the role of the individual in society. Students will read selections relating to these topics and analyze and assess their relative merits and flaws. Students will draft their own responses/arguments to the various philosophical issues raised. Critical thinking will be the focus.

*At Pioneer, this course is only offered in grades 11 & 12.

PSYCHOLOGY

<table>
<thead>
<tr>
<th>Course #</th>
<th>205011</th>
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</thead>
<tbody>
<tr>
<td>School(s)</td>
<td>Huron, Pathways *Pioneer, **Skyline</td>
</tr>
<tr>
<td>Grade(s)</td>
<td>9, 10, 11, 12</td>
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</table>

<table>
<thead>
<tr>
<th>Duration:</th>
<th>1 Term</th>
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<tbody>
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<td>Credit/Term:</td>
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</tr>
<tr>
<td>Meets Grad Requirements:</td>
<td>General Elective</td>
</tr>
<tr>
<td>Prerequisite:</td>
<td>None</td>
</tr>
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</table>

Psychology is a survey course designed to clarify and build an understanding of ourselves, our peers, and other important relationships in our lives. The emphasis is placed upon learning the skills and approaches necessary to study human behavior and mental processes. This includes: how we learn to be ourselves, how we store memories and experiences, how we think, how our physical being effects our mind, factors motivating our behaviors, and learning basic skills to promote healthy relationships.

*At Pioneer, this course is only offered in grades 11 & 12.

**At Skyline, this course is only offered in grades 10-12.

PSYCHOLOGY SL IB

<table>
<thead>
<tr>
<th>Course #</th>
<th>IB209400</th>
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<tbody>
<tr>
<td>School(s)</td>
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<td>Grade(s)</td>
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<table>
<thead>
<tr>
<th>Duration:</th>
<th>1 Year</th>
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</thead>
<tbody>
<tr>
<td>Credit/Term:</td>
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</tr>
<tr>
<td>Meets Grad Requirements:</td>
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<tr>
<td>Prerequisite:</td>
<td>None</td>
</tr>
<tr>
<td>NCAA Status:</td>
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</table>

The Psychology SL (IB) course aims are to teach the students major principles in the field of Psychology, understand research methods, and to educate students about human behavior and cognition. The course content will focus on biological, cognitive and sociocultural levels of analysis. Students will also have the opportunity to conduct an experiment and explore one of the following research topics in depth: abnormal psychology, developmental psychology, health psychology, psychology of human relationships, sports psychology.

The goal of the course is to teach students how to be critical thinkers, analyze research, explore research methods and to understand the relationship between biopsychosocial events and our behaviors and mental processes. This course satisfies the Individuals and Societies requirement for Full IB Diploma students.

PSYCHOLOGY, AP

<table>
<thead>
<tr>
<th>Course #</th>
<th>205017 205018</th>
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<tbody>
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<td>School(s)</td>
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<tr>
<td>Grade(s)</td>
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<table>
<thead>
<tr>
<th>Duration:</th>
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</tr>
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<tbody>
<tr>
<td>Credit/Term:</td>
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<tr>
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<td>General Elective</td>
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<tr>
<td>Prerequisite:</td>
<td>Psychology</td>
</tr>
<tr>
<td>NCAA Status:</td>
<td>APPROVED</td>
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AP Psychology is a course for 11th and 12th graders and like other AP courses, is intended to be consistent with the content, level of difficulty, critical thought, and pacing students would experience in a freshman level university course. This survey course will introduce students to the major issues in psychology, the assumptions upon which it is based, and the goals and research methods it employs to achieve these goals. There will be an additional focus on experiential learning. Psychology/Introduction to Psychology functions as the prerequisite for this course.
### PSYCHOLOGY, APPLIED

**School(s):** Huron, *Pioneer, Skyline  
**Course #:** 205012  
**Grade(s):** 10, 11, 12  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** General Elective  
**Prerequisite:** Psychology  
**NCAA Status:** APPROVED

This student-centered course personalizes the content and techniques from Psychology and applies them to our everyday life. Student-designed projects and interaction help build on our understanding of how best to absorb the importance of learning about human behavior and the consequences of our actions.

* At Pioneer, this course is only offered in grades 11 & 12.

### SOCIOLOGY

**School(s):** Skyline  
**Course #:** 221081  
**Grade(s):** 11, 12  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** Social Studies  
**Prerequisite:** None  
**NCAA Status:** APPROVED

This course will allow students to look at the world in a much different way than they usually would. They will be looking at the world through the eyes of someone else. Students will use critical thinking and research methods to understand society through different points of view. Some topics to be discussed include crime, deviance, social control, social inequality, gender, racial and ethnic minorities, human relationships, family, the impact of groups on the individual, and social change. Students will have an opportunity to uncover the role they play in society and the role society has in shaping their identity.
**ART: AREA OF EMPHASIS:** Students are required to plan and complete a 2.5 credit program of study or area of emphasis. In preparation for further study beyond high school or for careers in the art and design field, students may wish to plan a program with an art emphasis. Art courses may also be combined with other areas of the curriculum to facilitate a combined area of emphasis. Students are encouraged to work with a member of the art staff to plan a program of study that will meet their post-high school goals.

<table>
<thead>
<tr>
<th>ART AND DESIGN</th>
<th>School(s): Pathways, Pioneer, Skyline</th>
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<tbody>
<tr>
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<tr>
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<td>Credit/Term:</td>
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<td>Meets Grad Requirements:</td>
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<td>Prerequisite:</td>
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</table>

**Pathways, Pioneer**
Students examine the significance of the visual arts in our lives. Design elements and compositional principles are studied while learning studio techniques. This course will help students appreciate the joy of creating art as well as increase their understanding of the role of art and design in society. Students of all levels and abilities are welcome in this course of study. Students will be evaluated according to their studio participation, quality of work, critical thinking, and class discussions. This course is intended for students with a strong interest in art who are considering professional study or a career in art.

**Skyline**
In this introductory-level class, students examine the significance of the visual arts in our lives. Design elements and compositional principles are studied while applying studio techniques. This course will help students appreciate the joy of creating art and increases their understanding of the role of art and design in society. Students will be evaluated according to their studio habits, effort, critical thinking, and participation in class discussions. This course is intended for students interested in gaining an introductory-level understanding and appreciation of art fundamentals, as well as students interested in building or strengthening their art skills in preparation for higher level art classes.

<table>
<thead>
<tr>
<th>ART AND DESIGN AT COMMUNITY</th>
<th>School(s): Community</th>
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<tbody>
<tr>
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<tr>
<td>Grade(s):</td>
<td>9, 10, 11, 12</td>
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<tr>
<td>Duration:</td>
<td>1 Term</td>
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<tr>
<td>Credit/Term:</td>
<td>0.5</td>
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<tr>
<td>Meets Grad Requirements:</td>
<td>VPAA</td>
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<tr>
<td>Prerequisite:</td>
<td>None</td>
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<tr>
<td>NCAA Status:</td>
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</table>

The purpose of this class is for the student to become enthused and curious about 2-dimensional art and design. We’ll do this by learning about what makes an effective composition, why some design catches our attention, why other design does not. A successful art student is not defined according to how well you draw a straight line but rather the desire and effort you put into the creative process. Media used include: graphite, charcoal, watercolor, oil pastel, soft pastel ink, and printmaking.

<table>
<thead>
<tr>
<th>ART AND DESIGN IB</th>
<th>School(s): Huron</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course #:</td>
<td>IB711011</td>
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<tr>
<td>Grade(s):</td>
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<tr>
<td>Duration:</td>
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<td>Credit/Term:</td>
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<td>Meets Grad Requirements:</td>
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<tr>
<td>Prerequisite:</td>
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<tr>
<td>NCAA Status:</td>
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</tr>
</tbody>
</table>

Art and Design (IB) students examine the significance of the visual arts in our lives. Design elements and compositional principles are studied while learning studio techniques. This course will help students appreciate the joy of creating art as well as increase their understanding of the role of art and design in society. Students will be evaluated according to their studio participation, quality of work, critical thinking, and class discussions. Emphasis is placed on materials explorations and artistic reflection using visual journals. Group and individual critiques are an important part of the evaluation and reflection process. This course is intended for students of all levels and abilities. It is also the foundational course for students with a strong interest in art who are considering professional study or a career in art.
### ART HISTORY, AP

**School(s):** Skyline  
**Course #:** 712033  
**Grade(s):** 10, 11, 12

**Duration:** 2 Terms  
**Credit/Term:** 0.5 per term  
**Meets Grad Requirements:** VPAA or General Elective  
**Prerequisite:** None  
**NCAA Status:**

The AP Art History course is equivalent to a two-trimester introductory college course that explores the nature of art, art making, and responses to art. By investigating specific course content of 250 works of art characterized by diverse artistic traditions and culture from prehistory to the present, the course cultivates an in-depth, holistic understanding of the history of art from a global perspective. Students become active participants in the global art world, engaging with its forms and content. They experience, research, discuss, read and write about art, artists, art making, responses to, and interpretations of art.

### ART PORTFOLIO, ADVANCED

**School(s):** Community, Skyline  
**Course #:** 712032  
**Grade(s):** 9, 10, 11, 12

**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** VPAA  
**Prerequisite:** Teacher recommendation  
**NCAA Status:**

This course emphasizes traditional and nontraditional painting and drawing skills and how to express personal concepts using these skills. We will address the articulate use of visual language, focusing on the formal visual elements; philosophical issues, response to the world around us; global issues, interior life and personal history. This course also helps students develop high quality portfolios for admission to art schools, programs, and future artistic endeavors. Critiques are an important part of the course.

### ART PORTFOLIO, ADVANCED AC

**School(s):** Huron  
**Course #:** 712031  
**Grade(s):** 10, 11, 12

**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** VPAA  
**Prerequisite:** Art & Design; Drawing, Painting & Printing, a 3rd Art elective; or teacher recommendation  
**NCAA Status:**

This course is recommended for students with a strong interest in art who are capable of working independently, have a basic knowledge of composition principles, have worked with a variety of art materials, and possess the motivation to complete assigned tasks. Units of study are planned to achieve a balance between the mastery of specific skills, personal expression and creative problem-solving. Media experiences in design, drawing, painting, printmaking, illustration, sculpture and/or ceramics may be included. Students will create a portfolio of their own artwork acceptable for college admission review.

May be repeated for additional credit.

### ART, MIXED-MEDIA

**School(s):** Community, Huron  
**Course #:** 714012  
**Grade(s):** 9, 10, 11, 12

**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** VPAA  
**Prerequisite:** Art & Design IB (Huron only)  
**NCAA Status:**

Students will be guided in the production of visual art that combines traditional as well as non-traditional visual media. Various techniques involving the use of two or more media, such as ink and pastel or painting and collage will be combined in single compositions. There will be an emphasis on the study of the elements and principals of design, specifically how to create a unified composition. Critiques and field trips will be an important aspect of this course.
### ART, SALVAGE

**School(s):** Community  
**Course #:** 713030  
**Grade(s):** 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration:</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
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</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td>VPAA</td>
<td>None</td>
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</tbody>
</table>

In this course, students will be involved in making art from found material. You will use discarded objects, scrap, wrapping/packaging, and recyclable material, to make new things that exist as Art.

### CERAMICS AND SCULPTURE I

**School(s):** All High Schools  
**Course #:** 713011  
**Grade(s):** 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration:</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
</thead>
</table>
| 1 Term    | 0.5         | VPAA                    | Art & Design (Huron)  
Teacher Recommendation (Community, Pioneer, Skyline, Pathways) |             |

In this course, students will explore a broad range of techniques and approaches to creating three-dimensional works of art. Students will be guided in creating original works of art that demonstrate knowledge of the principles of design. Although the ceramic process will direct most of the lessons there will also be an emphasis of other media including but not limited to: wood, plaster, wire, metal and paper.

The ceramic component of the class will involve the use of clay by either hand building or throwing on the wheel. Development of technical skills and artistic vocabulary will include scoring, slipping, slab, coil, and pinch techniques, bisque firing, painting, as well as various glazing techniques.

### CERAMICS AND SCULPTURE I IB

**School(s):** Huron  
**Course #:** IB713011  
**Grade(s):** 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration:</th>
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<th>Prerequisite:</th>
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</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td>VPAA</td>
<td>Art &amp; Design</td>
<td></td>
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</tbody>
</table>

In this course, students will explore a broad range of techniques and approaches to creating three-dimensional works of art with clay. Students will be guided in creating original works of art that demonstrate knowledge of the principles of design. The ceramic component of the class will involve the use of clay by either hand building or throwing on the wheel. Development of technical skills and artistic vocabulary will include scoring, slipping, slab, coil, pinch and sculptural techniques, bisque firing, painting, as well as various glazing techniques.

### CERAMICS AND SCULPTURE II

**School(s):** Community, Huron, Pioneer, Skyline  
**Course #:** 713012  
**Grade(s):** 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration:</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
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</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td>VPAA</td>
<td>Ceramics &amp; Sculpture I</td>
<td></td>
</tr>
</tbody>
</table>

Huron, Pioneer, Skyline  

This course is a continuation of the beginning ceramics and sculpture class with emphasis on advanced techniques. In addition to clay formation processes, advanced study encompasses glaze mixing and personal experimentation is encouraged. Through these experiences the students will study the history of three-dimensional forms and develop an understanding of how clay forms have recorded the phases of human culture.

May be repeated for credit.

Community  

This class is a continuation of “Ceramics & Sculpture I”. Students will explore more advanced beyond the basics. This class will involve ceramic instruction including but not limited to hand building and sculpting using stoneware clay as well as glazing of surface. In addition to ceramics instruction, students will be engaged in art that involves the creation and construction of sculpture using plaster, wood, paper and foam board. The historic and cultural significance of all three-dimensional sculpture will be an important component of this course.

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Course offerings are subject to sufficient enrollment; course offerings and descriptions are subject to change.
Ann Arbor Public Schools  
2020-2021 High School Course Guide
### DRAWING & PAINTING

**Course #: 712011**  
**School(s): Pathways**  
**Grade(s): 9, 10, 11, 12**  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** VPAA  
**Prerequisite:** Art and Design  
**NCAA Status:**

Students will develop a range of skills that will build into a visual language enabling them to tackle areas such as basic drawing and perception techniques, use of various drawing media, to understand the basic elements of design; line, shape, form, value, proportion, spatial illusion, perspective, and ways of “seeing” and appreciating the art of drawing. Assignments will include figure drawing, architecture, still life, landscape, portraiture, environments, mixed-media compositions, and random subjects chosen by students. Participation in this course will improve the student’s drawing and perceptual skills, and develop a good foundation for future art making. Students will be engaged in the discussion, analysis, and appreciation of the historical and cultural aspects of art. Critique of their own artwork and the work of other students will be an important part of this course.

### DRAWING, BEGINNING

**Course #: 712009**  
**School(s): Community**  
**Grade(s): 9, 10, 11, 12**  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** VPAA  
**Prerequisite:** None  
**NCAA Status:**

Students will develop a range of skills that will build into a visual language enabling them to tackle areas such as basic drawing and perception techniques, use of various drawing media, to understand the basic elements of design; line, shape, form, value, proportion, spatial illusion, perspective, and ways of “seeing” and appreciating the art of drawing. Assignments will include figure drawing, architecture, still life, landscape, portraiture, environments, mixed-media compositions, and random subjects chosen by students. Participation in this course will improve the student’s drawing and perceptual skills, and develop a good foundation for future art making. Students will be engaged in the discussion, analysis, and appreciation of the historical and cultural aspects of art. Critique of their own artwork and the work of other students will be an important part of this course.

### DRAWING, PAINTING AND PRINTMAKING

**Course #: 712012**  
**School(s): Huron, Pathways, Pioneer, Skyline**  
**Grade(s): 9, 10, 11, 12**  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** VPAA  
**Prerequisite:** Art & Design (Huron)  
**NCAA Status:**

The focus of this course is on the creation of two-dimensional art work. Basic drawing and painting techniques are reinforced. Compositions in watercolor, pastels, pen and ink, charcoal, and pencil may be planned, encouraging students to explore personal themes and work through the creative process. Silk screening, etching and relief printing processes may also be included. Works from various artists, both past and present, will be incorporated to learn how others have solved similar problems. Subject matter may range from creating landscapes and abstract designs to recording observations of figures and still life.

May be repeated for credit.

### GRAPHIC ART PRODUCTION: YEARBOOK

**Course #: 712041**  
**School(s): Community**  
**Grade(s): 9, 10, 11, 12**  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** VPAA  
**Prerequisite:** Teacher recommendation  
**NCAA Status:**

Class will be involved with the editing, design and production of the school’s yearbook, Midnight Sun. Students selected for participation will enjoy a high degree of freedom and independence in determining the content (theme and scope) and appearance of the book, and will be expected to learn to organize themselves into a staff and to recruit students from other areas as required. Applicants should expect to attend to details of research, budgeting and/or scheduling as well as photography, digital imaging, publishing, typesetting (on computer) and sales.
<table>
<thead>
<tr>
<th>Course Title</th>
<th>School(s)</th>
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<th>Grade(s)</th>
<th>Duration</th>
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<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRAPHIC COMMUNICATIONS I</td>
<td>Community</td>
<td>653011</td>
<td>9, 10, 11, 12</td>
<td>1 Term</td>
<td>0.5</td>
<td>VPAA</td>
<td>None</td>
<td></td>
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<tr>
<td>This course is an introduction to the fundamental skills and knowledge needed to understand graphic communications. The course focuses on the computer skills, design decisions, and printing processes needed to create print and digital media that effectively convey information. Students who enjoy creative activities and like hands-on activities should elect this course.</td>
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<tr>
<td>GRAPHIC COMMUNICATIONS II</td>
<td>Community</td>
<td>653012</td>
<td>9, 10, 11, 12</td>
<td>1 Term</td>
<td>0.5</td>
<td>VPAA</td>
<td>Graphic Communications I</td>
<td></td>
</tr>
<tr>
<td>This course builds on the knowledge and skills gained in Graphic Communications I. The subject areas of graphic design, digital photography, color theory, typography, offset printing, and screen-printing are explored to communicate information. Students who enjoy creative activities and like hands-on activities should elect this course.</td>
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<tr>
<td>GRAPHIC DESIGN I</td>
<td>Community, Pioneer, Skyline</td>
<td>712021</td>
<td>9, 10, 11, 12</td>
<td>1 Term</td>
<td>0.5</td>
<td>VPAA</td>
<td>Art &amp; Design (Huron)</td>
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<tr>
<td>In this course, students solve visual communication problems by developing ideas and creating graphic solutions for various clients. Students will discuss the historical significance of the graphic arts, and become more familiar with the styles and practical applications of type faces. A variety of materials and techniques will be used to create posters, logos, trademarks, packaging and illustrations. Careers, issues and techniques of the contemporary design field are addressed in this course.</td>
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<tr>
<td>GRAPHIC DESIGN II</td>
<td>Community, Huron, Pioneer, Skyline</td>
<td>712022</td>
<td>9, 10, 11, 12</td>
<td>1 Term</td>
<td>0.5</td>
<td>VPAA</td>
<td>Graphic Design I</td>
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<tr>
<td>Community, Huron &amp; Pioneer</td>
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<td>This course is a continuation of Graphic Design I. Using original ideas, students are expected to refine skills to communicate ideas &amp; concepts visually. This will be done by developing personal style, lettering and typography, logo designs using computer programs, package design, designing story boards. A portfolio of quality Graphic Design images will be created and produced.</td>
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<tr>
<td>Skyline</td>
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<tr>
<td>This course is a continuation of Graphic Design I. Students will learn more advanced techniques for combining image, type, color, illustration, and photography to create dynamic media using Adobe Creative Suite. Students will have the opportunity to work on school and community projects involving graphics to further develop their knowledge and skills. Students will create a portfolio of their work.</td>
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<tr>
<td>May be repeated for credit.</td>
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Ann Arbor Public Schools

2020-2021 High School Course Guide
<table>
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<tr>
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<th>Course #</th>
<th>Grade(s)</th>
<th>Duration</th>
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<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
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<tbody>
<tr>
<td>GRAPHIC DESIGN IB</td>
<td>Huron</td>
<td>IB712021</td>
<td>9, 10, 11, 12</td>
<td>1 Term</td>
<td>0.5</td>
<td>VPAA</td>
<td>Art &amp; Design</td>
<td></td>
</tr>
<tr>
<td>Students examine the significance of the graphic design in our lives. Design elements and compositional principles are studied while learning studio techniques. This course will help students appreciate the joy of communicating through graphic illustration as well as increase their understanding of the role of graphic design in society. Students will be evaluated according to their studio participation, quality of work, critical thinking, and class discussions. Emphasis is placed on the proficiency of Adobe Illustrator and artistic reflection using visual journals. Group and individual critiques are an important part of the evaluation and reflection process. This course is intended for students of all levels and abilities. It is also the foundational course for students with a strong interest in graphic design professional study or a career in graphic design.</td>
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| ITALIAN ART & CULTURE | Community | 711025 | 10, 11, 12 | 1 Term | 0.5 | VPAA | None | |
| Students enrolled in this survey course will be immersed in various aspects of Italian culture, geography, basic conversational Italian, visual art and design, theater, music, fashion, architecture, and the rich artistic history in Italy from the Roman Empire to present. |

| ITALIAN ART & CULTURE II | Community | 711026 | 10, 11, 12 | 1 Term | 0.5 | VPAA | Italian Art & Culture | |
| Students enrolled in this course will engage in the continuation, and deeper investigation, of Italian arts and culture; from the onset of the Roman Empire to the present, with particular emphasis on post-Renaissance art history, cultural shifts post WWII, and contemporary trends in the arts, and a refined understanding and appreciation of the ever-changing Italian social institutions. The course will also address and explore the issues of immigration and geo-global migration, as a catalyst for artistic and cultural change. Course requirements include weekly projects, class discussion, and periodic exams. |

| JEWELRY DESIGN I | Huron, Pioneer | 713021 | 10, 11, 12 | 1 Term | 0.5 | VPAA | Art & Design | |
| This course teaches students about the design and creation of original jewelry metalwork. Basic design skills are taught. Sequentially planned assignments assist students in developing quality designs. Through these experiences, it is hoped that students acquire an appreciation for past and present jewelry/metal forms and a pride in their own accomplishments. May be repeated for credit. |

| JEWELRY DESIGN II | Huron, Pioneer | 713022 | 10, 11, 12 | 1 Term | 0.5 | VPAA | Jewelry Design I | |
| Students are expected to expand upon the skills learned in the beginning jewelry course. Time may be included for experimental and independent art work. Required assignments will focus on new and advanced techniques exhibiting personal creativity and inventiveness. Participation in school and community exhibits is encouraged. May be repeated for credit. |
**OPEN STUDIO**

**School(s):** Community, Huron, Pathways  
**Course #:** 714041  
**Grade(s):** 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td>VPAA</td>
<td>Art &amp; Design (Huron and Pathways)</td>
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</tbody>
</table>

**Huron**

This class will provide students with an opportunity to experiment with many different media and ideas within an unstructured format. The teacher will work with students toward individualizing stylization.

**Community and Pathways**

In this class students concentrate on independent projects of his/her choice. They work under contract with the instructor and are evaluated according to the quality of the final product and the amount of effort employed in executing each project. Students should have knowledge of basic skills in drawing, painting, ceramics and be able to work independently in an unstructured studio atmosphere.

**PAINTING AND COLOR THEORY**

**School(s):** Community, Pathways  
**Course #:** 712013  
**Grade(s):** 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
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<tr>
<td>1 Term</td>
<td>0.5</td>
<td>VPAA</td>
<td>Art and Design (Pathways)</td>
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</tbody>
</table>

In this course, the beginner to advanced student of art will be exploring color theory, technique and composition in painting. Examination and analysis of traditional and contemporary art in a historical and cultural context will be an integral part of learning. Media will include: acrylic, color inks, pastels, watercolor, printmaking, and color pencil. Students will review basic drawing principles in order to successfully tackle the art and techniques of painting. Critique of their own artwork and the work of other students will be an important part of this course.

**PAINTING AND COMPOSITION**

**School(s):** Huron  
**Course #:** 712014  
**Grade(s):** 10, 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
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<tr>
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<td>0.5</td>
<td>VPAA</td>
<td>Art &amp; Design</td>
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</tbody>
</table>

This course is an introduction to creative techniques and composition applied to watercolor and acrylic painting media as well as the development of visual awareness. A basic class exploring the visual elements and techniques as a tool to problem solving with a special emphasis on controlling the paint, using either gouache (opaque watercolor), or acrylic, while experimenting with various surfaces. Students are given the opportunity to work in greater depth to develop individual approaches, techniques, and forms of creative expression.

**PHOTOGRAPHY I, FILM DARKROOM**

**School(s):** Community  
**Course #:** 715011  
**Grade(s):** 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
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<td>VPAA</td>
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</tbody>
</table>

This course studies the art of photography. Students will learn basic chemistry related to developing and printing black and white film, the history of photography, light, film, lenses, cameras, pinhole photography, composition, and the personal enjoyment of photography. Students will engage in actual camera and darkroom experience. An adjustable 35 mm film camera is suggested.
PHOTOGRAPHY I, DARKROOM IB
Course #: IB715011
School(s): Huron
Grade(s): 9, 10, 11, 12

Duration: 1 Term
Credit/Term: 0.5
Meets Grad Requirements: VPAA
Prerequisite: Art & Design
NCAA Status

In this course students learn about and experience photography as a form of visual communication. The students learn basic processes of black and white film photography through darkroom experience. Visual literacy, composition, operation of a 35 mm camera, developing film, use of contact prints, enlargements and presentation of the photograph are components of this course. Creative thinking, patience and persistence are important aspects of this course.

PHOTOGRAPHY II
Course #: 715021
School(s): Community
Grade(s): 9, 10, 11, 12

Duration: 1 Term
Credit/Term: 0.5
Meets Grad Requirements: VPAA
Prerequisite: Photography I
NCAA Status

This will be mainly a lab class with weekly lectures and demonstrations which will cover studio art, product photography, medium format, alternative process, advanced darkroom technique, and flash photography, with greater emphasis on composition and conceptual development.

PHOTOGRAPHY II, DARKROOM
Course #: 715022
School(s): Huron
Grade(s): 10, 11, 12

Duration: 1 Term
Credit/Term: 0.5
Meets Grad Requirements: VPAA
Prerequisite: Photography I
NCAA Status

This course is planned for students who are seriously interested in photography. A portfolio of quality photographs will be created and produced. Experimental techniques and classic darkroom processes such as bas relief, color appliqué, digital photography and composite imagery may be explored.

May be repeated for credit.

PHOTOGRAPHY, DIGITAL I
Course #: 715031
School(s): Community, Pioneer, Skyline
Grade(s): 9, 10, 11, 12

Duration: 1 Term
Credit/Term: 0.5
Meets Grad Requirements: VPAA
Prerequisite: Art & Design (Huron)
NCAA Status

Pioneer, Skyline
Photography captures moments in time and allows us to view the world from different perspectives. The technology of photography is ever changing but the excitement of combining art and technology remains the same. The photography courses are designed to give students experiences with the creative and technical aspects of photography. Students will use digital cameras and Adobe Photoshop to compose, shoot, and edit digital photography

Community
Active participation in this course will serve you in many ways. We will experience the realm of digital photography via specific assignments and projects, play, hard work, critiques, exhibitions, technical demos, sharing, and support of each other as photographic artists. You will learn about: cameras, capturing images, pixels, scanning, computing, editing/image management software (Photoshop), composition, printing, image sharing/storage/management, art elements and principles in photography, photo history, light, perception, and seeing
### PHOTOGRAPHY, DIGITAL I IB

**School(s):** Huron  
**Course #:** IB715031  
**Grade(s):** 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration:</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td>VPAA</td>
<td>Art &amp; Design</td>
<td></td>
</tr>
</tbody>
</table>

Photography captures moments in time and allows us to view the world from different perspectives. The technology of photography is ever changing but the excitement of combining art and technology remains the same. The digital photography courses are designed to give students experiences with the creative and technical aspects of photography. Students will use digital cameras and Adobe Photoshop to compose, shoot, and edit digital photography. Students will investigate the four MYP criteria; Knowledge, Developing Skills, Creative Thinking, and Responding throughout the course.

### PHOTOGRAPHY, DIGITAL II

**School(s):** Huron, Pioneer, Skyline  
**Course #:** 715032  
**Grade(s):** 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration:</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
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</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td>VPAA</td>
<td>Digital Photography I</td>
<td></td>
</tr>
</tbody>
</table>

This course is a continuation of Digital Photography I. Areas of study include: camera operation for digital SLR, lighting, composition, image processing, printing, and final presentation techniques. Field trips will allow students to learn how to photograph a variety of situations. Students will also study the history of photography.

May be repeated for credit.

### PHOTOGRAPHY, FILM AND DIGITAL VIDEO, ADVANCED

**School(s):** Community  
**Course #:** 715023  
**Grade(s):** 12

<table>
<thead>
<tr>
<th>Duration:</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td>VPAA</td>
<td>Photography I</td>
<td></td>
</tr>
</tbody>
</table>

This course offers the study of still photography, motion picture film, and video production as an art form. Lab work and critiques are essential components of the course.
This is a two-year course.

**Visual Arts SL/HL Yr1 (Grade 11)**
The Visual Arts SL/HL Yr1 is the first year of a two-year course that encourages students to challenge their own creative and cultural expectations and boundaries. This course promotes higher order thinking and reflection amongst students, while at the same time developing heightened technical ability in multiple media. In addition to exploring and comparing visual arts from different perspectives and in different contexts, students are expected to experiment with and reflect upon their work in multiple mediums. The course is designed for students who have an interest in post-secondary visual arts as well as those who are interested in developing a lifelong love of the subject. The role of the teacher in this course is to organize their students in a studio environment and provide engaged support for the individual exploration of art. This course satisfies the Arts requirement for Full IB Diploma students.

**Visual Arts SL Yr2 (Grade 12)**
Visual Arts SL Yr2 (IB) is the second year of a two-year course that encourages students to challenge their own creative and cultural expectations and boundaries. This course promotes higher order thinking and reflection amongst students, while at the same time developing heightened technical ability in multiple media. In addition to exploring and comparing visual arts from different perspectives and in different contexts, students are expected to experiment with and reflect upon their work in multiple mediums. The course is designed for students who have an interest in post-secondary visual arts as well as those who are interested in developing a lifelong love of the subject. The role of the teacher in this course is to organize their students in a studio environment and provide engaged support for the individual exploration of art. This course satisfies the Arts requirement for Full IB Diploma students.

**Visual Arts HL Yr2 (Grade 12)**
Visual Arts HL Yr2 (IB) is the second year of a two-year course that encourages students to challenge their own creative and cultural expectations and boundaries. This course promotes higher order thinking and reflection amongst students, while at the same time developing heightened technical ability in multiple media. In addition to exploring and comparing visual arts from different perspectives and in different contexts, students are expected to experiment with and reflect upon their work in multiple mediums. The course is designed for students who have an interest in post-secondary visual arts as well as those who are interested in developing a lifelong love of the subject. The role of the teacher in this course is to organize their students in a studio environment and provide engaged support for the individual exploration of art. This course satisfies the Arts requirement for Full IB Diploma students.
### BAND, CONCERT (Marching)

**School(s):** Huron (Green)  
Pioneer (Purple)  
Skyline

**Course #:** 752020  
**Grade(s):** 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration:</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year</td>
<td>0.5</td>
<td>VPAA</td>
<td>Audition</td>
<td></td>
</tr>
</tbody>
</table>

This course is open to wind and percussion instrumentalists. The Concert Band (marching) curriculum teaches technical, rhythmic, listening, translative, analytical, and performance skills through advanced literature in a historical and multi-cultural context. Performances are an integral part of the music curriculum, which may include concerts, festivals, solos, ensembles, recitals and appearances within the community when appropriate. Concert Band (marching) combines with the Symphony Band, which forms the Marching Band during the fall quarter and appears at all home varsity football games.

Placement audition is required. Concert Band (marching) must participate in band camp in August at the Interlochen Center for The Arts, Interlochen, Michigan. After school rehearsals and performances are required. Members participate in all varsity football game performance with the Symphony Band. This course meets the State of Michigan Fine Arts graduation requirement. May be repeated for credit.

### BAND, CONCERT

**School(s):** Huron (Gold)  
Pioneer (White)

**Course #:** 752021  
**Grade(s):** 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration:</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year</td>
<td>0.5</td>
<td>VPAA</td>
<td>Audition</td>
<td></td>
</tr>
</tbody>
</table>

This course is open to wind and percussion instrumentalists. The Concert Band curriculum teaches technical, rhythmic, listening, translative, analytical, and performance skills through advanced literature in a historical and multi-cultural context. Performances are an integral part of the music curriculum, which may include concerts, festivals, solos, ensembles, recitals and appearances within the community when appropriate. Concert Band combines with the Marching Band, during the fall quarter and appears at one home varsity football games.

Placement audition is required. Concert Band must participate in band camp in August at the Interlochen Center for The Arts, Interlochen, Michigan. After school rehearsals and performances are required. Members participate in all varsity football game performance with the Symphony Band. This course meets the State of Michigan Fine Arts graduation requirement. May be repeated for credit.

### BAND, JAZZ

**School(s):** Huron, Pioneer, Skyline

**Course #:** 751031  
**Grade(s):** 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration:</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year (Hur/Pio)</td>
<td>0.5</td>
<td>VPAA</td>
<td>Audition</td>
<td></td>
</tr>
<tr>
<td>1 Term (Skyline)</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

Jazz Band is open to all qualified saxophone, trumpet, trombone, guitar, keyboard, bass and percussion players. This course provides opportunities for the performance of outstanding jazz literature and the study of jazz styles, history, and improvisation. This band performs in numerous concerts throughout the year.

After school rehearsals and performances are required. This course meets the State of Michigan Fine Arts graduation requirement. This class meets daily and may be repeated for credit.
## BAND, SYMPHONY
**School(s):** Huron, Pioneer, Skyline

<table>
<thead>
<tr>
<th>Duration:</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year</td>
<td>0.5</td>
<td>VPAA</td>
<td>Audition</td>
<td></td>
</tr>
</tbody>
</table>

This select group of wind and percussion instrumentalists is our finest ensemble in wind music performance. The Symphony Band curriculum teaches technical, rhythmic, listening, transitive, analytical, and performance skills through the most advanced literature in the band repertoire in a historical and multi-cultural context. Performances are an integral part of the music curriculum, which may include concerts, festivals, solos, ensembles, recitals and appearances within the community when appropriate.

**Skyline:** This course is open to wind and percussion instrumentalists. During 1st trimester this class is open to any student (varsity/concert/symphony) that wishes to march in the marching band at Skyline. This band will march at all home Varsity Football games and appears in concerts and festivals throughout the year. During trimester 2 and 3 members of this ensemble will participate in full orchestra during the class period. After school rehearsals and performances are required. All bands participate in band camp in August at Interlochen Center for The Arts. All students will be placed in Varsity, Concert or Symphony Band for trimester 2 and 3 based on their Spring audition.

Students participate in band camp in August at the Interlochen Center for The Arts, Interlochen, Michigan. After school rehearsals and performances are required. At Huron and Pioneer, the Symphony Band combines with the Concert Band (marching) becomes the Marching Band during the fall quarter and appears at all home varsity football games. This course meets the State of Michigan Fine Arts graduation requirement. This class meets daily and may be repeated for credit.

## BAND, VARSITY
**School(s):** Pioneer

<table>
<thead>
<tr>
<th>Duration:</th>
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<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year</td>
<td>0.5</td>
<td>VPAA</td>
<td>Audition</td>
<td></td>
</tr>
</tbody>
</table>

This course provides development of the fundamentals in tone production, articulation, music reading and scales. Varsity Band provides all interested students who play wind and percussion instruments an opportunity to study and perform a variety of music. Performances are an integral part of the music curriculum, which may include concerts, festivals, solos, ensembles, recitals and appearances within the community when appropriate.

Placement auditions are a requirement. Students may participate in band camp in August at the Interlochen Center for the Arts, Interlochen, Michigan. Afterschool rehearsals and performances are required. This course meets the State of Michigan Fine Arts graduation requirement. May be repeated for credit.

## BAND, VARSITY IB
**School(s):** Huron

<table>
<thead>
<tr>
<th>Duration:</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year</td>
<td>0.5</td>
<td>VPAA</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

This course provides development of the fundamentals in tone production, articulation, music reading and scales. Varsity Band provides all interested students who play wind and percussion instruments an opportunity to study and perform a variety of music. Performances are an integral part of the music curriculum, which may include concerts, festivals, solos, ensembles, recitals and appearances within the community when appropriate.

Placement auditions are a requirement. Students may participate in band camp in August at the Interlochen Center for the Arts, Interlochen, Michigan. Afterschool rehearsals and performances are required. This course meets the State of Michigan Fine Arts graduation requirement. May be repeated for credit.
## CHOIR, A CAPPELLA MIXED

**Course #: 754040**

**School(s):** Huron, Pioneer, Skyline

**Grade(s):** 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year</td>
<td>0.5</td>
<td>VPAA</td>
<td>Audition</td>
<td></td>
</tr>
</tbody>
</table>

A Cappella is an auditioned mixed chorus of all voice parts, grades 9-12, who have demonstrated superior musical ability. Students will study advanced choral literature written for mixed voices from a variety of musical time periods and styles. This class is designed for the self-motivated singer who is interested in preparing and performing at a high level. The student must be ready to pursue advanced music-reading skills. Members are expected to participate in MSVMA Events. Performances are an integral part of the music curriculum, which may include concerts, festivals, solos, ensembles, recitals, and appearances within the community when appropriate. After school rehearsals and performances are required.

Students are expected to participate in choir camp in August at the Interlochen Center for the Arts, Interlochen, Michigan. May be repeated for credit.

## CHOIR, BEL CANTO TREBLE

**Course #: 754030**

**School(s):** Huron, Pioneer, Skyline

**Grade(s):** 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year</td>
<td>0.5</td>
<td>VPAA</td>
<td>Audition</td>
<td></td>
</tr>
</tbody>
</table>

Bel Canto is an auditioned treble choir, comprised of students in grades 9-12 who have demonstrated superior musical ability. Students will study music written for treble voices from a variety of musical time periods and styles. Members are expected to participate in MSVMA Events. This class is designed for the self-motivated singer who is interested in preparing and performing at a high level. The student must be ready to pursue advanced music-reading skills. Performances are an integral part of the music curriculum, which may include concerts, festivals, solos, ensembles, recitals, and appearances within the community when appropriate. After school rehearsals and performances are required.

Students are expected to participate in choir camp in August at the Interlochen Center for the Arts, Interlochen, Michigan. May be repeated for credit.

## CHOIR, CANTANDO TREBLE

**Course #: 754020**

**School(s):** Pioneer, Skyline

**Grade(s):** 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year</td>
<td>0.5</td>
<td>VPAA</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

Cantando is open to all students with treble voices who are interested in singing, grades 9-12. Students develop vocal technique and music literacy, studying literature from a variety of styles and time periods. Performances are an integral part of the music curriculum, which may include concerts, festivals, solos, ensembles, recitals, and appearances within the community when appropriate. After school rehearsals and performances are required.

Students are encouraged to participate in choir camp in August at the Interlochen Center for the Arts, Interlochen, Michigan. May be repeated for credit.

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**Course offerings are subject to sufficient enrollment; course offerings and descriptions are subject to change.**

Ann Arbor Public Schools

2020-2021 High School Course Guide
### CHOIR. CANTARE BASS

**Course #: 754010**  
**Grade(s): 9, 10, 11, 12**

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year</td>
<td>0.5</td>
<td>VPAA</td>
<td>None</td>
<td>VPAA</td>
</tr>
</tbody>
</table>

Cantare is open to all students with bass voices who are interested in singing, grades 9-12. Students develop vocal technique and music literacy, studying literature from a variety of styles and time periods. Performances are an integral part of the music curriculum, which may include concerts, festivals, solos, ensembles, recitals, and appearances within the community when appropriate. After school rehearsals and performances are required.

Students are encouraged to participate in the choir camp in August at the Interlochen Center for the Arts, Interlochen, Michigan. May be repeated for credit.

### CHOIR, CANTANDO TREBLE IB

**Course #: IB754020**  
**Grade(s): 9, 10, 11, 12**

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year</td>
<td>0.5</td>
<td>VPAA</td>
<td>None</td>
<td>VPAA</td>
</tr>
</tbody>
</table>

The Cantando Choir (IB) is open to all students who are interested in singing. Students develop vocal technique and music literacy, as the students perform literature from a variety of styles and time periods. The curricular objectives follow the Michigan Performing Arts Standards. International Baccalaureate Middle Years Program Unit Plans have been drawn up using the Michigan Vocal Music Association Choral Festival Rubric.

### CHOIR, CANTARE BASS IB

**Course #: IB754010**  
**Grade(s): 9, 10, 11, 12**

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year</td>
<td>0.5</td>
<td>VPAA</td>
<td>None</td>
<td>VPAA</td>
</tr>
</tbody>
</table>

The Cantare Choir (IB) is open to all students who are interested in singing. Students develop vocal technique and music literacy, as the students perform literature from a variety of styles and time periods. The curricular objectives follow the Michigan Performing Arts Standards. International Baccalaureate Middle Years Program Unit Plans have been drawn up using the Michigan Vocal Music Association Choral Festival Rubric.

### ENSEMBLE, JAZZ I/ENSEMBLE JAZZ II  
**ENSEMBLE JAZZ III/ENSEMBLE JAZZ IV**

**Course #: 751021/751022  
751023/751025**  
**Grade(s): 9, 10, 11, 12**

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
</table>
| 1 Term    | 0.5         | VPAA                    | Level I: Interview recommended; middle school-level tech proficiency preferred  
Levels II/III/IV: Audition; teacher recommendation | VPAA        |

In this unique performance program, instrumental groups study and perform contemporary jazz in a combo setting. This distinguishing characteristic of these classes/groups is the focus on improvisation. Students learn jazz theory, reading, rhythm, improvisation and performance techniques in traditional and contemporary jazz styles. Students gain skill in navigating small-group jazz playing and acquire musical vocabulary for utilization during improvisation. Historical and social relevance are also explored throughout each semester. Any band or orchestra instrument is welcome, including guitar and drum set.

Jazz I and II perform in a few concerts each year. Jazz III and IV are comprised of a total of six advanced jazz combos. These advanced groups regularly perform in local and regional gigs and sometimes beyond. They also perform in concerts, competitions, and in recording sessions.
### ENSEMBLE, JAZZ LAB

**School(s):** Community  
**Course #:** 751039  
**Grade(s):** 9, 10, 11, 12  
**Duration:** 2 Semesters  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** VPAA  
**Prerequisite:** Jazz II or by audition and approval from director  
**NCAA Status:**

In this unique performance program, instrumental groups study and perform contemporary jazz in a combo setting. The distinguishing characteristic of these classes/groups is the focus on improvisation. Students learn jazz theory, reading, rhythm, improvisation and performance techniques in traditional and contemporary jazz styles. Students gain skill in navigating small-group jazz playing and acquire musical vocabulary for utilization during improvisation. Historical and social relevance are also explored throughout each semester. Any band or orchestral instrument is welcome, including guitar and drum set.

Jazz I and II perform in a few concerts each year. Jazz Lab, Jazz III and Jazz IV are comprised of a total of 6 advanced jazz combos. These advanced groups regularly perform in local and regional gigs and sometimes beyond. They also perform in concerts, competitions, and in recording sessions.

### GUITAR I

**School(s):** Huron, Pioneer, Skyline  
**Course #:** 755031  
**Grade(s):** 9, 10, 11, 12  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** VPAA  
**Prerequisite:** None  
**NCAA Status:**

Each student will learn to play the classical (nylon-stringed) guitar, learn to read music notation and guitar tablature, and will obtain a rudimentary understanding of various guitar-playing styles, with an emphasis on the classical style.

No experience on the guitar is necessary. May be repeated for credit.

### GUITAR II

**School(s):** Huron, Pioneer, Skyline  
**Course #:** 755032  
**Grade(s):** 9, 10, 11, 12  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** VPAA  
**Prerequisite:** Guitar I  
**NCAA Status:**

Each student will learn to play the classical (nylon-stringed) guitar. Students will expand upon techniques learned in Guitar I, and will also learn new techniques, with an emphasis on the classical style. Students will be expected to know basic note- and rhythm-reading, basic cords, and basic right hand technique (p, i, m, a).

May be repeated for credit.

### GUITAR III

**School(s):** Huron, Pioneer  
**Course #:** 755033  
**Grade(s):** 9, 10, 11, 12  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** VPAA  
**Prerequisite:** Guitar II  
**NCAA Status:**

Each student will learn to play the classical (nylon-stringed) guitar. Much of the learning will be done independently, with guidance from the instructor. Students will be expected to have full knowledge of note- and rhythm-reading, basic scales, basic chords, barre chords, and right hand technique (p, i, m, a).

May be repeated for credit.
<table>
<thead>
<tr>
<th>Course</th>
<th>School(s)</th>
<th>Grade(s)</th>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSIC INDUSTRY</td>
<td>Pathways, Pioneer</td>
<td>9, 10, 11, 12</td>
<td>1 Term</td>
<td>0.5</td>
<td>None</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Music Industry is a general music class curriculum grounded in project based learning. The project models the music industry as four particular roles (Managers, Musicians, Advertising/Marketing, and Writers) are played out by the students. Students choose one or more roles to find creative ways in supporting the success of a band producing both cover songs and original songs.

<table>
<thead>
<tr>
<th>Course</th>
<th>School(s)</th>
<th>Grade(s)</th>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSIC SL IB</td>
<td>Huron</td>
<td>11</td>
<td>1st Semester</td>
<td>0.5</td>
<td>VPAA</td>
<td>Must also be enrolled in Concert or Symphony Band/Orchestra, Jazz Band, Bel Canto Choir or A Cappella Choir</td>
<td></td>
</tr>
</tbody>
</table>

Music SL (IB) is intended to help students develop their understanding of advanced concepts of music. This course is intended for advanced 11th grade music students who are also enrolled in either Concert or Symphony Band/Orchestra, Jazz Band, Bel Canto Choir or A Cappella Choir. It will serve as a rigorous course that will prepare students to take the External Music Assessments required for the IB Diploma. Upon entering the course, students are expected to be proficient in clef reading including treble, bass, alto and tenor clefs, interval and chord identification and creation, major/minor scales, their keys and related chord progressions. Students will apply this knowledge to the intensive study of one western-art instrumental masterwork in addition to studying music from the various Western Art traditions and historical periods, World Music, Jazz, and Popular Music idioms. Students will also craft a 2,000-word paper comparing and contrasting two distinct musical cultures. This course satisfies the Arts requirement for Full IB Diploma students.

<table>
<thead>
<tr>
<th>Course</th>
<th>School(s)</th>
<th>Grade(s)</th>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSIC THEORY AND TECHNOLOGY I</td>
<td>Pioneer</td>
<td>9, 10, 11, 12</td>
<td>1 Term</td>
<td>0.5</td>
<td>VPAA</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

Students will be introduced to the creative use of music technology and the fundamentals of music using the latest electronic music equipment such as: synthesizers, computers, Musical Instrument Digital Interface (MIDI) keyboards, sequencers, and the appropriate software. Students will learn to use the equipment through a hands-on lab experience and to create their own compositions. Areas of instruction will include the fundamentals of music notation, ear training, theory, composition and the basics of synthesizing sound and MIDI sequencing.

This course meets the State of Michigan Fine Arts graduation requirements. This class meets daily and may be repeated for credit.

<table>
<thead>
<tr>
<th>Course</th>
<th>School(s)</th>
<th>Grade(s)</th>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSIC THEORY AND TECHNOLOGY II</td>
<td>Pioneer</td>
<td>10, 11, 12</td>
<td>1 Term</td>
<td>0.5</td>
<td>VPAA</td>
<td>Music Theory &amp; Technology I</td>
<td></td>
</tr>
</tbody>
</table>

A continuation of Music Theory and Technology. Students will be introduced to the creative use of music technology and the fundamentals of music using the latest electronic music equipment such as: synthesizers, computers, Musical Instrument Digital Interface (MIDI) keyboards, sequencers, and the appropriate software. Students will learn to use the equipment through a hands-on lab experience and to create their own compositions. Areas of instruction will include the fundamentals of music notation, ear training, theory, composition and the basics of synthesizing sound and MIDI sequencing. This course meets the State of Michigan Fine Arts graduation requirements. This class meets daily and may be repeated for credit.
### MUSIC THEORY AP

<table>
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<tr>
<th>School(s):</th>
<th>Pioneer, Skyline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course #:</td>
<td>756019</td>
</tr>
<tr>
<td>Grade(s):</td>
<td>10, 11, 12</td>
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<table>
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<tr>
<th>Duration:</th>
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<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year (Pio)</td>
<td>0.5</td>
<td>VPAA</td>
<td>Instructor approval or successful completion of music theory assessment</td>
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</tr>
<tr>
<td>2 Terms (Sky)</td>
<td></td>
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</tbody>
</table>

Students will study the tools used in reading, writing, and listening to music. The course will focus on vocal and instrumental compositions primarily from 1600-1900, though 20th century contemporary music will also be explored. Students will engage in score analysis, sight-singing, aural recognition (including rhythmic, melodic, and harmonic dictation), composition, and fundamental keyboard harmony.

### MUSIC, AFRICAN AMERICAN CULTURE

<table>
<thead>
<tr>
<th>School(s):</th>
<th>Pioneer</th>
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</thead>
<tbody>
<tr>
<td>Course #:</td>
<td>756015</td>
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<tr>
<td>Grade(s):</td>
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<thead>
<tr>
<th>Duration:</th>
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<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td>VPAA</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

Music, African American Culture is a music course open to all students of all musical abilities. The purpose of the class is to study the musical and cultural influence of African-Americans, from their West-African roots to the present day, on American musical styles. Attention will be given to the mixing of these components with traditional European influences to shape American musical genres such as Ragtime, Old Time, Blues, Dixieland, Jazz, Gospel, Doo-Wop, Rhythm and Blues, Soul, Funk, Fusion, Hip Hop, and Pop/Rock. Specific musical techniques (both vocal and instrumental) to be successful in these musical styles will be addressed.

### ORCHESTRA, CONCERT

<table>
<thead>
<tr>
<th>School(s):</th>
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</thead>
<tbody>
<tr>
<td>Course #:</td>
<td>753020</td>
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<td>Grade(s):</td>
<td>9, 10, 11, 12</td>
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<th>Prerequisite:</th>
<th>NCAA Status</th>
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<tbody>
<tr>
<td>Year</td>
<td>0.5</td>
<td>VPAA</td>
<td>Audition</td>
<td></td>
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</tbody>
</table>

Concert Orchestra is open to all string instrumentalists in grades 9-12 who pass the audition. The scope of the class is to perform some great literature and fine-tune technical and musical skills in preparation for membership into the Symphony Orchestra. This ensemble rehearse three days a week as a string orchestra. The string players are joined twice a week (once a week at Skyline) by wind, brass and percussionists, recommended by the band director, from the Concert Band after marching season ends.

Concert Orchestra is subject to be divided into 2 classes as needed. The audition process will remain the same for both ensembles.

Students are expected to participate in orchestra camp in August at the Interlochen Center for the Arts, Interlochen, Michigan. After school rehearsals and performances are required. May be repeated for credit.

### ORCHESTRA, PHILHARMONIC

<table>
<thead>
<tr>
<th>School(s):</th>
<th>Pioneer, Skyline</th>
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</thead>
<tbody>
<tr>
<td>Course #:</td>
<td>753010</td>
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<tr>
<td>Grade(s):</td>
<td>9, 10, 11, 12</td>
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<table>
<thead>
<tr>
<th>Duration:</th>
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<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Year</td>
<td>0.5</td>
<td>VPAA</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

Philharmonic Orchestra is open to all traditional orchestra string instrumentalists. The emphasis is on building basic individual and ensemble skills, to build musical strength and sensitivity, and to prepare the students for membership into the Concert or Symphony Orchestra.

Students are expected to participate in orchestra camp in August at the Interlochen Center For The Arts, Interlochen, Michigan. After school rehearsals and performances are required. May be repeated for credit.

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Course offerings are subject to sufficient enrollment; course offerings and descriptions are subject to change. Ann Arbor Public Schools

2020-2021 High School Course Guide
(VPAA) VISUAL & PERFORMING ARTS: MUSIC

**ORCHESTRA, PHILHARMONIC IB**

Course #: IB753010  
School(s): Huron  
Grade(s): 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year</td>
<td>0.5</td>
<td>VPAA</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

This course provides continued development of music fundamentals focusing on posture, instrument set-up, tone production, rhythm and articulation through music reading and scales. The primary goal of this course is to encourage students to become communicators through the art form of music performance. Philharmonia Orchestra provides all interested students who play string instruments an opportunity to study and perform a variety of music. Performances are an integral part of the music curriculum, which may include concerts, festivals, solos and small ensembles.

Students are expected to participate in orchestra camp in August at the Interlochen Center For The Arts, Interlochen, Michigan. After school rehearsals and performances are required. May be repeated for credit.

**ORCHESTRA, SYMPHONY**

Course #: 753040  
School(s): Huron, Pioneer, Skyline  
Grade(s): 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year</td>
<td>0.5</td>
<td>VPAA</td>
<td>Audition</td>
<td></td>
</tr>
</tbody>
</table>

This orchestra is a select group of string, wind, brass, and percussion players who perform symphonic orchestra literature. Membership in this class is determined by audition. This ensemble rehearses as a string orchestra three days a week; wind and percussion players join the string orchestra twice a week to rehearse as a full orchestra.

Students are expected to participate in orchestra camp in August at the Interlochen Center For The Arts, Interlochen, Michigan. After school rehearsals and performances are required. May be repeated for credit.

**PIANO**

Course #: 755021  
School(s): Huron, Pioneer, Skyline  
Grade(s): 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td>VPAA</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

This course is designed for the students who wish to learn to read music and play the piano or wish to continue previous study of the piano. Students at all levels of performance skills may enroll. Emphasis will be placed on improving performance skills and reading music. Each student will receive individual coaching. Time for practice will be a part of the course design.

May be repeated for credit.

**VOICE**

Course #: 755011  
School(s): Huron, Pioneer, Skyline  
Grade(s): 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td>VPAA</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

This course is for those who would like to improve their natural voice and increase their knowledge of singing. It is open to beginners as well as those who have had voice lessons, or who have had experience in choral groups. Emphasis will be on fundamentals of singing, solo work, with time given for individual instruction and practice. Voice class focuses primarily on solo singing of classical and contemporary genres.

Students may participate in choir camp in August at the Interlochen Center for the Arts, Interlochen, Michigan. After school rehearsals and performances are required. May be repeated for credit.

Course offerings are subject to sufficient enrollment; course offerings and descriptions are subject to change.
# ACTING I

**School(s):** All High Schools  
**Course #:** 106011  
**Grade(s):** 9, 10, 11, 12  

<table>
<thead>
<tr>
<th>Duration:</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td>VPAA or English Elective</td>
<td>Theater I (Skyline)</td>
<td></td>
</tr>
</tbody>
</table>

Acting I is an introductory course in the fundamentals of stage acting. Through games, activities, exercises and performances that include but are not limited to storytelling, scenes and monologues, students gain confidence in presenting themselves before an audience, develop their skills in focus, concentration, movement, and vocal delivery. In a safe and positive environment students build together, they have the opportunity to take risks and reflect upon themselves and their experiences with the goal of expressing emotion and thought on stage in a believable and fulfilling way. Students engage in critical, thoughtful discussions, language study, and various forms of writing.

This course is aligned to the Michigan Standards in VPAA and ELA.

---

# ACTING II

**School(s):** All High Schools  
**Course #:** 106012  
**Grade(s):** 10, 11, 12  

<table>
<thead>
<tr>
<th>Duration:</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Terms</td>
<td>0.5</td>
<td>VPAA or English Elective</td>
<td>Acting I &amp; Theater I (Skyline)</td>
<td></td>
</tr>
</tbody>
</table>

Successful completion of Acting I is a prerequisite, but this can be waived with teacher permission. Acting II builds upon the skills of Acting I but is more focused on performance of monologues, scenes, and one act plays. Performances are attended by invited audiences and guests, including a performing arts festival. The class also takes field trips to a professional theater performance. Students engage in critical reading, thoughtful discussions, language study, and various forms of writing. Acting II is the ideal course for students who have a desire to act in “straight theater” (as opposed to musical theater) and are seeking opportunities to develop their skills.

This course is aligned to the Michigan standards in VPAA and ELA.

---

# THEATER I

**School(s):** Skyline  
**Course #:** 731011  
**Grade(s):** 9, 10, 11, 12  

<table>
<thead>
<tr>
<th>Duration:</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td>VPAA or English Elective</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

The purpose of this course is to introduce the student to the power of the theater to reflect the world. The first part of the course will concentrate on the listening and communication skills necessary to develop the actor within and create a safe environment in which each student can explore freely. Some of the activities students will participate in will include improvisation; pantomime; monologue and scene performance; basic set, lighting, and text analysis and the role theater plays in our society. Students engage in critical reading, thoughtful discussions, language study, and various forms of writing.

---

# THEATER II

**School(s):** Skyline  
**Course #:** 731012  
**Grade(s):** 9, 10, 11, 12  

<table>
<thead>
<tr>
<th>Duration:</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Term</td>
<td>0.5</td>
<td>VPAA or English Elective</td>
<td>Theatre I</td>
<td></td>
</tr>
</tbody>
</table>

Theater II is designed as an intermediate level study of theater arts. It uses individual and group assignments as well as ensemble productions to provide students hands-on experience in the world of theatre. Students will learn intermediate acting, technical theater concepts, theater vocabulary as well as theater history.
# THEATER III

**School(s):** Skyline  
**Course #:** 731012  
**Grade(s):** 10, 11, 12  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** VPAA or English Elective  
**Prerequisite:** Theatre II  
**NCAA Status:** Meets Grad Requirements: VPAA or English Elective

This course is designed for students with significant experience in theatre and promotes depth of engagement and lifelong appreciation for theatre through a broad spectrum of teacher-assigned and self-directed study and performance. Students regularly reflect on aesthetics and issues related to and addressed through theatre and create various aspects of theatre.

# THEATER DESIGN I

**School(s):** Skyline  
**Course #:** 731021  
**Grade(s):** 9, 10, 11, 12  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** VPAA  
**Prerequisite:** Theater I  
**NCAA Status:**

This course will focus on the design and practical application of technical theater. Students will study every aspect of technical theater including set design and construction, lighting design and construction, sound design and construction, costume design and construction and marketing techniques. This class will prepare students for performing arts productions.

# THEATER DESIGN II

**School(s):** Skyline  
**Course #:** 731022  
**Grade(s):** 10, 11, 12  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** VPAA  
**Prerequisite:** Theater Design I, Theatre I  
**NCAA Status:**

This course will continue to focus on the design and practical application of all technical aspects covered in Theater Design I. A more in-depth focus will be placed on design. Students will be asked to create set and light designs. In addition, students in this course will be trained in the technical aspects of the auditorium and will have the opportunity to work for groups that use the auditorium.

# THEATER PRODUCTION

**School(s):** Community  
**Course #:** 106013  
**Grade(s):** 9, 10, 11, 12  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** VPAA or English Elective  
**Prerequisite:** None  
**NCAA Status:**

This course is for students who are interested in how a play goes from paper to live performance. The class will consist of hands-on technical aspects of theatre and class work centered on plan analysis. Each student will also choose a play to “produce” on paper.

# THEATER, MUSICAL

**School(s):** Skyline  
**Course #:** 731031  
**Grade(s):** 10, 11, 12  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** VPAA  
**Prerequisite:** Theater I; and placement audition  
**NCAA Status:**

This course is designed for the vocal music student or theater student who wants to learn the unique techniques required for a musical theater performance. The course will culminate in a Broadway review performance.

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Course offerings are subject to sufficient enrollment; course offerings and descriptions are subject to change.  
Ann Arbor Public Schools  
2020-2021 High School Course Guide
The goal of the Ann Arbor Public Schools World Language program is to prepare students to be linguistically and culturally competent in languages other than English. The ability to communicate in a culturally, appropriate manner with speakers of other languages is the key to success in the increasingly diverse global community of the 21st century. As students develop proficiency in world languages and, at the same time, an understanding of the underlying values and beliefs of other cultures, they gain the skills that are essential to meaningful communication.

At the heart of language learning is the ability to communicate, whether it be person to person, in writing, or through the reading of literature. Communication promotes understanding, tolerance, and respect for others.

The process of learning to comprehend, speak, read, and write another language develops insight into the nature of language as well as connections to other disciplines.

Learning another language prepares students to be citizens of the global community by developing an awareness and appreciation of other cultures.

**Students are required to earn 2.0 credits in the same World Language for graduation.** A summary of World Language course offerings is listed below.

<table>
<thead>
<tr>
<th></th>
<th>COMMUNITY</th>
<th>HURON</th>
<th>PATHWAYS</th>
<th>PIONEER</th>
<th>SKYLINE</th>
</tr>
</thead>
<tbody>
<tr>
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</tr>
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<td></td>
<td></td>
</tr>
<tr>
<td>Chinese</td>
<td></td>
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<tr>
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<td>Latin</td>
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<tr>
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<td>✓</td>
</tr>
</tbody>
</table>

Course offerings are subject to sufficient enrollment; course offerings and descriptions are subject to change.
## World Language

### American Sign Language I

**School(s):** Community, Pathways, Pioneer, Skyline  
**Course #:** 504510, 504512, 504513  
**Grade(s):** 9, 10, 11, 12  
**Duration:** 2 Terms  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** World Language  
**Prerequisite:** None  
**NCAA Status:** APPROVED

This course is designed to teach basic American Sign Language over one full year. Areas of study will include: Vocabulary Development, Grammatical Features, Cultural Awareness, and Conversational Fluency. These components will enable the students to develop visual language skills. Discussion topics include historical information such as sign origin, variations, production, and use of non-manual features. Students will compare and contrast Deaf and Hearing cultural perspectives as well as master basic linguistic structures in English and American Sign Language. Classroom discussions will present opportunities to increase visual language fluency, analyze current level of function, and practice both receptive and expressive sign language skills. This class is in accordance with the Five C’s of the Michigan World Language curriculum—communication, communities, comparisons, connections, and cultures—and accommodates the Michigan World Language Standards and Benchmarks.

### American Sign Language II

**School(s):** Community, Pathways, Pioneer, Skyline  
**Course #:** 504511, 5045014, 504514  
**Grade(s):** 9, 10, 11, 12  
**Duration:** 2 Terms  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** World Language  
**Prerequisite:** American Sign Language I  
**NCAA Status:** APPROVED

This course is a continuation of American Sign Language I, and fulfills the second year of the World Language requirement. This course will continue to explore vocabulary development, grammatical features, history (may include but not limited to: sign origin, variations, production, and use of non-manual features), legislation, cultural awareness, and conversational fluency. The course will also continue to build on the natural signed topics learned in ASL 1. This course will continue to not only teach the language, it will also continue to incorporate projects, reports, reflection papers, games, activities, quizzes, tests, etc. that encompass the history and culture behind the language. This class is in accordance with the Five C’s of the Michigan World Language curriculum and accommodates the Michigan World Language Standards and Benchmarks.

### American Sign Language III

**School(s):** Community, Pioneer, Skyline  
**Course #:** 504516, 504517, 504518  
**Grade(s):** 10, 11, 12  
**Duration:** 2 Terms  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** World Language  
**Prerequisite:** American Sign Language I & II  
**NCAA Status:** APPROVED

This course is a continuation of American Sign Language I and II, and while it is not necessary as a high school requirement, it allows students who have completed two years of American Sign Language to continue their studies and further develop their language skills to prepare for college or a possible career using ASL. This course will continue to explore vocabulary development, grammatical features, history (may include but not limited to: sign origin, variations, production, and use of non-manual features), legislation, cultural awareness, and conversational fluency. The course will also continue to not only teach the language, it will also continue to incorporate projects, reports, reflection papers, games, activities, quizzes, tests, etc. that encompass the history and culture behind the language. This class is in accordance with the Five C’s of the Michigan World Language curriculum and accommodates the Michigan World Language Standards and Benchmarks.
# American Sign Language IV

**Course #:** 504520, 504521, 504522  
**School(s):** Community, Pioneer, Skyline  
**Grade(s):** 11, 12  
**Duration:** 2 Terms  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** World Language  
**Prerequisite:** American Sign Language I, II & III  
**NCAA Status:** APPROVED

This course is a continuation of American Sign Language 1, 2 and 3, and while it is not necessary as a high school requirement, it allows students who have completed three years of American Sign Language to continue their studies and further develop their language skills to prepare for college or a possible career using ASL. In addition, ASL will be comparable to all other language courses in the district by offering at least four levels, therefore satisfying colleges who prefer to see students take four years of a language.

This course will continue to explore vocabulary development, grammatical features, history, legislation, cultural awareness, and conversational fluency. This course will continue to not only teach the language, it will also continue to incorporate projects, reports, reflection papers, games, activities, quizzes, tests, etc., that encompass the history and culture behind the language.

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# Arabic I

**Course #:** 506011  
**School(s):** Huron  
**Grade(s):** 9, 10, 11, 12  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** World Language  
**Prerequisite:** None  
**NCAA Status:** APPROVED

This course introduces basic vocabulary and the fundamentals of Modern Standard Arabic grammar, structure, pronunciation as well as reading, writing, and speaking. Using natural and audio-lingual approaches, the course prepares students to understand spoken Arabic, to hold simple conversations, read, and write short descriptive compositions in Arabic. Aspects of contemporary Arabic culture and history are covered as well.

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# Arabic II

**Course #:** 506021  
**School(s):** Huron  
**Grade(s):** 9, 10, 11, 12  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** World Language  
**Prerequisite:** Arabic I  
**NCAA Status:** APPROVED

This course follows Arabic I and continues with more vocabulary acquisition and the fundamentals of Modern Standard Arabic grammar, structure, pronunciation as well as reading, writing, and speaking. Using natural and audio-lingual approaches, the course prepares students to understand spoken Arabic, to hold conversations, read, and write descriptive compositions in Arabic. Aspects of contemporary Arabic culture and history are covered as well.

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# Arabic III

**Course #:** 506031  
**School(s):** Huron  
**Grade(s):** 9, 10, 11, 12  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** World Language  
**Prerequisite:** Arabic II  
**NCAA Status:** APPROVED

This course follows Arabic II and continues with more vocabulary acquisition and the fundamentals of Modern Standard Arabic grammar, structure, pronunciation as well as reading, writing, and speaking. Using the natural and audio-lingual approaches, the course prepares students to understand spoken Arabic: hold conversations, read and write descriptive compositions. Aspects of contemporary Arabic culture and history will be covered. Students will begin interpret and present Arabic at the Intermediate Low proficiency level.

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# Arabic IV

**Course #:** 506041  
**School(s):** Huron  
**Grade(s):** 9, 10, 11, 12  
**Duration:** 1 Term  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** World Language  
**Prerequisite:** Arabic III  
**NCAA Status:** APPROVED

This courses follows Arabic III and focuses on the development of students's communicative competence in Arabic and their understanding of the culture(s) of Arabic-speaking countries. Students will learn to communicate about themselves and their immediate environment. This communication is evidenced in all four language skills - listening, speaking, reading, and writing - with emphasis on the ability to communicate orally and in writing. Students will begin interpret and present Arabic at the Intermediate Mid level.
ARABIC SL/HL YR1 IB
ARABIC SL YR2 IB
ARABIC HL YR2 IB

School(s): Huron
Course #: IB506100, IB50612, IB506122
Grade(s): 11, 12

<table>
<thead>
<tr>
<th>Duration:</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Term</td>
<td>0.5</td>
<td>World Language</td>
<td>Arabic II</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

Arabic SL/HL Yr1 (Grade 11)
Arabic SL/HL Yr1 (IB) focuses on the development of students' communicative competence in Arabic and their understanding of the culture(s) of Arabic-speaking countries. Students will learn to communicate about themselves and their immediate environment using simple sentences containing basic language structures. This communication is evidenced in all four language skills - listening, speaking, reading, and writing - with emphasis on the ability to communicate orally and in writing. The course allows students to access the target language by studying it as a beginner or as someone with prior experience of the language. Those who pass the course at standard level should be able to follow university courses in other disciplines in the language B that is studied.

Arabic SL Yr2 (Grade 12)
Arabic SL Yr 2 (IB) is the second year of a two-year course, for students with an Intermediate /Advanced proficiency level of Arabic. It focuses on the development of students communicative competence in Arabic and their understanding of the culture(s) of Arabic-speaking countries. While acquiring a language, students will explore the culture(s) connected to it. The class is conducted entirely in Arabic and requires the student to be an independent and highly motivated learner. Students in this level will be able to discuss a topic in writing in 60 and 120 words, describe a picture in Arabic and talk about culture difference between the Arab world countries. This course also prepares students to the DP internal and external assessments. This course satisfies the Language, Acquisition requirement for Full IB Diploma students.

Arabic HL Yr2 (Grade 12)
Arabic HL Yr 2 (IB) is the second year of a two-year course, for students with Advanced Proficiency level of Arabic. It focuses on the development of students communicative competence in Arabic and their understanding of the culture(s) of Arabic-speaking countries. While acquiring a language, students will explore the culture(s) connected to it. The class is conducted entirely in Arabic and requires the student to be an independent and highly motivated learner. Students in this level will be able to discuss a topic in writing in 60 and 120 words, describe a picture in Arabic and talk about culture difference between the Arab world countries. This course also prepares students to the DP internal and external assessments. This course satisfies the Language, Acquisition requirement for Full IB Diploma students.

CHINESE, MANDARIN AB INITIO SL YR IB
CHINESE, MANDARIN AB INITIO SL YR2 IB

School(s): Huron
Course #: IB509211, IB509212
Grade(s): 11, 12

<table>
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<td>0.5</td>
<td>World Language</td>
<td>Arabic II</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

Chinese, Mandarin Ab Initio Yr1 (Grade 11)
Mandarin Chinese ab initio year I course is an entry-level course, no pre-requisite. The purpose for this course is for DP students with opportunities to practice and explore the beginning level Mandarin Chinese as well as to develop intercultural understanding. Through the development of receptive, productive and interactive skills, students should be able to respond and interact appropriately in a range of everyday situations. Mandarin Chinese ab initio is available at Standard Level only. This course satisfies the Language Acquisition requirement for Full IB Diploma students.

Chinese, Mandarin Ab Initio Yr2 (Grade 12)
Mandarin Chinese ab initio year 2 course is a novice mid/high level course, which requires students to finish Mandarin Chinese ab initio year I. The purpose for this course is for DP students with opportunities to practice and explore the second year Mandarin Chinese as well as to develop intercultural understanding. Through the development of receptive, productive and interactive skills, students should be able to respond and interact appropriately in a range of contexts and for a variety of purposes. Mandarin Chinese ab initio is available at Standard Level only. This course satisfies the Language Acquisition requirement for Full IB Diploma students.
### CHINESE, MANDARIN AP

**Course #:** 504040  
**School(s):** Huron, Pioneer, Skyline  
**Grade(s):** 9, 10, 11, 12

<table>
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<th>Duration</th>
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<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
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</tr>
</thead>
<tbody>
<tr>
<td>2 Terms</td>
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<td>Chinese Mandarin IV or teacher recommendation</td>
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</tr>
</tbody>
</table>

This course will prepare you to successfully take the Chinese AP test, and more importantly, to deeply understand and fully express yourself in Chinese language and culture. The topics include: Custom; Education, Family, Festival and Holidays; Travel and Transportation; Famous people and history; Literary and Art. This AP class will be conducted 100% in Chinese and the students are expected to communicate mainly in Chinese. Instruction and assessment will be aligned to district, state and national world language standards. Language study will be complimented by the study of traditional and contemporary Chinese culture. Reading and writing instruction will focus on simplified Chinese characters.

### CHINESE, MANDARIN I

**Course #:** 504011  
**School(s):** Pioneer, Skyline  
**Grade(s):** 9, 10, 11, 12

<table>
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<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
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<tbody>
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<td>2 Terms</td>
<td>0.5</td>
<td>World Language</td>
<td>None</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

This course serves as a novice low introduction to Mandarin Chinese. The emphasis is on developing communication proficiency in listening, speaking, reading and writing Chinese relating to everyday topics, includes: Who Am I; Family and Community; Dates and Time; Hobbies and Interests; and Hangout with Friends. Instruction and assessment will be aligned to district, state and national world language standards. Language study will be complimented by the study of traditional and contemporary Chinese culture. Reading and writing instruction will focus on simplified Chinese characters. Textbook and workbook: Integrated Chinese, Level I, Part I.

### CHINESE, MANDARIN I IB

**Course #:** IB504011  
**School(s):** Huron  
**Grade(s):** 9

<table>
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<th>Duration</th>
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<tbody>
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</table>

Chinese, Mandarin I (IB) course is an introductory course, no pre-requirement. The purpose for this course is for MYP students with opportunities to practice and explore the beginning level Mandarin Chinese as well as to develop intercultural understanding. Through the development of receptive, productive and interactive skills, students should be able to respond and interact appropriately in a defined range of everyday situations.

### CHINESE, MANDARIN II

**Course #:** 504021  
**School(s):** Pioneer, Skyline  
**Grade(s):** 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
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<tbody>
<tr>
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<td>0.5</td>
<td>World Language</td>
<td>Mandarin Chinese I</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

This course serves as novice high or interpretive low level Mandarin Chinese. The emphasis is on developing communication proficiency in listening, speaking, reading and writing Chinese relating to everyday topics, includes: Making Appointments, Studying Chinese, School Life, Shopping, and Transportation. Instruction and assessment will be aligned to district, state and national world language standards. Language study will be complimented by the study of traditional and contemporary Chinese culture. Reading and writing instruction will focus on simplified Chinese characters. Textbook and workbook: Integrated Chinese, Level I, Part I.

### CHINESE, MANDARIN II IB

**Course #:** IB504021  
**School(s):** Huron  
**Grade(s):** 9, 10

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<td>Mandarin Chinese I</td>
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</table>

Chinese, Mandarin II (IB) course is a Novice high/Intermediate Low level course, which requests students to finish MYP Mandarin Chinese phase I. The purpose for this course is for MYP students with opportunities to practice and explore the second year Mandarin Chinese as well as to develop intercultural understanding. Through the development of receptive, productive and interactive skills, students should be able to respond and interact appropriately in straightforward social situations.

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Course offerings are subject to sufficient enrollment; course offerings and descriptions are subject to change.  
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### CHINESE, MANDARIN III

**Course #: 504031**  
**Grade(s): 9, 10, 11, 12**  
**School(s): Huron, Pioneer, Skyline**  
**Duration:** 2 Terms  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** World Language  
**Prerequisite:** Chinese Mandarin II  
**NCAA Status:** APPROVED

Chinese, Mandarin III course is an Intermediate Low/Mid level course. Students will learn from Chapter 11 to Chapter 15 in the textbook (Integrated Chinese), Includes: Talking about the Weather, Dining, Asking Directions, Birthday Party, and Seeing a Doctor. Instruction and assessment will be aligned to district, state and national world language standards. Language study will be complimented by the study of traditional and contemporary Chinese culture. Reading and writing instruction will focus on simplified Chinese characters. Textbook and workbook: Integrated Chinese, Level I, Part II.

### CHINESE, MANDARIN IV

**Course #: 504028**  
**Grade(s): 9, 10, 11, 12**  
**School(s): Huron, Pioneer, Skyline**  
**Duration:** 2 Terms  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** World Language  
**Prerequisite:** Chinese Mandarin III  
**NCAA Status:** APPROVED

Chinese, Mandarin IV course is an Intermediate high/advanced Low-level course. Students will learn from Chapter 16 to Chapter 20 in the textbook (Integrated Chinese) which includes: Date, Rent an Apartment, Sports, Travel, and at Airport. Instruction and assessment will be aligned to district, state and national world language standards. Language study will be complimented by the study of traditional and contemporary Chinese culture. Reading and writing instruction will focus on simplified Chinese characters. Textbook and workbook: Integrated Chinese, Level 1, Part II.

### CHINESE, MANDARIN SL/HL YR1 IB

**Course #: IB509200, IB509201, IB509202**  
**Grade(s): 11, 12**  
**School(s): Huron**  
**Duration:** 2 Terms  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** World Language  
**Prerequisite:** Chinese, Mandarin II  
**NCAA Status:** APPROVED

Chinese, Mandarin SL/HL Yr 1 (IB) is the first year of a two-year course, for students with an intermediate proficiency level of Mandarin. Through the development of receptive, productive and interactive skills, students should be able to develop mastery of Chinese language skills and intercultural understanding. The core topics are Communication and media, Global issues, and Social relationships. The option topics are: Customs and traditions, and Leisure, etc. This course also prepares students to the DP internal and external assessments. This course satisfies the Language Acquisition requirement for Full IB Diploma students.

### CHINESE, MANDARIN SL YR2 IB

**Course #: IB509201, IB509202, IB509203**  
**Grade(s): 11, 12**  
**School(s): Huron**  
**Duration:** 2 Terms  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** World Language  
**Prerequisite:** Chinese, Mandarin II  
**NCAA Status:** APPROVED

Chinese, Mandarin SL Yr 2 (IB) is the second year of a two-year course, for students with an Intermediate /advanced proficiency level of Mandarin Chinese. Through the development of receptive, productive and interactive skills, students should be able to develop Chinese skills through the study and use of a range of written and spoken authentic materials. Such materials will extend from everyday oral exchanges to literary texts, and will be related to the Chinese culture(s). The core topics are: Communication and media, Global issue and Social relationships. The option topics are: Customs and traditions, and Cultural diversity, etc. This course also prepares students to the DP internal and external assessments. This course satisfies the Language, Acquisition requirement for Full IB Diploma students.

### CHINESE, MANDARIN HL YR2 IB

**Course #: IB509201, IB509202, IB509203**  
**Grade(s): 11, 12**  
**School(s): Huron**  
**Duration:** 2 Terms  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** World Language  
**Prerequisite:** Chinese, Mandarin II  
**NCAA Status:** APPROVED

Chinese, Mandarin HL Yr 2 (IB) is the second year of a two-year course, for students with Advanced Proficiency level of Mandarin Chinese. There is a common syllabus at SL and HL (with literature as an additional component of the HL course). The authentic materials are chosen to enable students to master high level language skills and intercultural understanding. The differences between SL and HL are determined by the assessment objectives, the depth and breadth of syllabus coverage, the assessment details, the assessment criteria, and literature coverage. This course satisfies the Language, Acquisition requirement for Full IB Diploma students.
## WORLD LANGUAGE

### ETYMOLOGY
- **School(s):** Skyline
- **Course #:** 503061
- **Grade(s):** 10, 11, 12

<table>
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<th>Duration</th>
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<tbody>
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<td>None</td>
<td></td>
</tr>
</tbody>
</table>

This is a class about words. Most students take a class like this because they want to succeed in school, on examinations, or in the professional world. In short, they want to build their vocabulary. In taking this class, students will indeed learn new words, but - more important - they will master the meanings of a wide variety of prefixes, word bases, and suffixes. Students will understand how words are built and will be able to use their knowledge to analyze and understand new words that they encounter outside the classroom. They will become sensitized to words and will have at their command a set of tools that can greatly increase their chances of success in life.

### FRENCH I
- **School(s):** Community, Pioneer, Skyline
- **Course #:** 501011
- **Grade(s):** 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Terms</td>
<td>0.5</td>
<td>World Language</td>
<td>None</td>
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</tbody>
</table>

French I offers the opportunity to study both the language and culture of France and French speaking countries. Students will engage in listening, speaking, reading, writing, viewing, and interpreting activities. By the end of the course students are expected to reach novice low to novice mid proficiency levels based on the ACTFL (American Council on the Teaching of Foreign Languages) guidelines.

Upon successful completion of this course students should select French II or French II AC with teacher recommendation.

### FRENCH I IB
- **School(s):** Huron
- **Course #:** IB501011
- **Grade(s):** 9

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
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<th>Prerequisite</th>
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<tbody>
<tr>
<td>1 Year</td>
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<td>World Language</td>
<td>None</td>
<td>APPROVED</td>
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</table>

French I (IB) offers the opportunity to study both the language and culture of France and francophone countries. Students will be assessed on the following MYP criteria: comprehending spoken and visual text (A); comprehending written and visual text (B); communicating in response to spoken, written and visual text (C); and using language in spoken and written form (D). In order to meet these objectives, students will engage in listening, speaking, reading, writing, and viewing and interpreting activities. By the end of the course students are expected to reach Novice Mid or Novice High proficiency levels based on the ACTFL (American Council on the Teaching of Foreign Languages) guidelines.

### FRENCH II
- **School(s):** Community, Pioneer, Skyline
- **Course #:** 501021
- **Grade(s):** 9, 10, 11, 12

<table>
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<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
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</thead>
<tbody>
<tr>
<td>2 Terms</td>
<td>0.5</td>
<td>World Language</td>
<td>French I</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

Continued study of the structure of the French language but with a progressively greater emphasis on the acquisition of the four basic skills. By the end of the second year the student should have a basic knowledge of the principal structures of the French language.

Upon successful completion of this course students should select French III or French III AC with teacher recommendation.

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Course offerings are subject to sufficient enrollment; course offerings and descriptions are subject to change.

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# World Language

## French II AC

<table>
<thead>
<tr>
<th>Course #</th>
<th>Grade(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>501022</td>
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**School(s):** Pioneer, Skyline  
**Course:** 501022  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** World Language  
**Prerequisite:** French I; and teacher recommendation  
**NCAA Status:** APPROVED

Students with outstanding ability in French I are recommended for this accelerated course which may lead to Advanced Placement in French. Students in this course have more reading, writing and grammar than those in French II.

French II and French II AC are combined. Students wishing AC credit are expected to do additional assignments that enhance and expand their work in French.

Upon successful completion of this course students should select French III AC with teacher recommendation or French III.

## French II AC IB

<table>
<thead>
<tr>
<th>Course #</th>
<th>Grade(s)</th>
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<td>IB501022</td>
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</table>

**School(s):** Huron  
**Course:** IB501022  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** World Language  
**Prerequisite:** French I  
**NCAA Status:** APPROVED

MYP French II AC offers the opportunity to continue studying the language and culture of France and francophone countries. Students will be assessed on the following MYP criteria: comprehending spoken and visual text (A); comprehending written and visual text (B); communicating in response to spoken, written and visual text (C); and using language in spoken and written form (D). In order to meet these objectives, students will engage in listening, speaking, reading, writing, and viewing and interpreting activities. By the end of the course students are expected to reach Novice High or Intermediate Low proficiency levels based on the ACTFL (American Council on the Teaching of Foreign Languages) guidelines.

## French II IB

<table>
<thead>
<tr>
<th>Course #</th>
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**School(s):** Huron  
**Course:** IB501021  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** World Language  
**Prerequisite:** French I  
**NCAA Status:** APPROVED

French II (IB) offers the opportunity to continue studying the language and culture of France and francophone countries. Students will be assessed on the following MYP criteria: comprehending spoken and visual text (A); comprehending written and visual text (B); communicating in response to spoken, written and visual text (C); and using language in spoken and written form (D). In order to meet these objectives, students will engage in listening, speaking, reading, writing, and viewing and interpreting activities. By the end of the course students are expected to reach Novice High or Intermediate Low proficiency levels based on the ACTFL (American Council on the Teaching of Foreign Languages) guidelines.

## French III

<table>
<thead>
<tr>
<th>Course #</th>
<th>Grade(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>501031</td>
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</table>

**School(s):** Community, Huron, Pioneer, Skyline  
**Course:** 501031  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** World Language  
**Prerequisite:** French II or French II AC  
**NCAA Status:** APPROVED

In French III, students continue developing the four skills with further work on the grammatical structures of the language and continued acquisition of new vocabulary.

Upon successful completion of this course students should select French IV or French IV AC with teacher recommendation.
### FRENCH III AC

<table>
<thead>
<tr>
<th>School(s):</th>
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<tbody>
<tr>
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<tr>
<td>Prerequisite:</td>
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<tr>
<td>NCAA Status:</td>
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</table>

In this third year accelerated course, there is extensive work on the grammatical structures of the language. Cultural and historical materials may be included. Students are encouraged to use French in class. Students in this course have more reading, writing and grammar than those in French III.

French III and French III AC are combined. Students wishing AC credit are expected to do additional assignments that enhance and expand their work in French.

### FRENCH III IB

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</table>

MYP French III offers the opportunity to continue studying the language and culture of France and francophone countries. Students will be assessed on the following MYP criteria: comprehending spoken and visual text (A); comprehending written and visual text (B); communicating in response to spoken, written and visual text (C); and using language in spoken and written form (D). In order to meet these objectives, students will engage in listening, speaking, reading, writing, and viewing and interpreting activities. By the end of the course students are expected to reach Intermediate Low or Intermediate Mid proficiency levels based on the ACTFL (American Council on the Teaching of Foreign Languages) guidelines.

### FRENCH IV

<table>
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</thead>
<tbody>
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<tr>
<td>Prerequisite:</td>
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In French IV, there is continued development of the four skills with extensive review of grammatical structures. Various cultural readings are used and students are encouraged to speak in French.

Upon successful completion of this course students should select French IV AC with teacher recommendation or AP French Language with teacher recommendation.

### FRENCH IV AC

<table>
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<tr>
<td>Prerequisite:</td>
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In this fourth year accelerated course, the emphasis is on the study of the French language and preparation for the Advanced Placement course. Strong emphasis is placed on gaining good control of French grammar and vocabulary. Students are strongly encouraged to use only French in class. Students in this course have more reading, writing and grammar than in French IV.

French IV and French IV AC are combined. Students wishing AC credit are expected to do additional assignments that enhance and expand their work in French.
## FRENCH LANGUAGE, AP

**School(s):** Huron, Pioneer, Skyline  
**Course #:** 501051  
**Grade(s):** 12  

<table>
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<td>French IV or French IV AC; and teacher recommendation</td>
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<tr>
<td>3 Terms (Skyline)</td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

The AP French Language course stresses the use of French for active communication, emphasizing oral skills, composition, and grammar. The students may read current French magazines and newspapers as well as French literature. Students will be expected to demonstrate the ability to understand spoken French in formal and conversational situations, and to express ideas both orally and in writing with reasonable fluency. Written compositions will be required. Students are required to use only French in the classroom.

This course has preparation for the Advanced Placement examination, for college credit, as one of its objectives. However, students electing the course are not obligated to take the examination. AP testing occurs in May.

## FRENCH SL/HL YR1 IB

**FRENCH SL YR2 IB**  
**FRENCH HL YR2 IB**  

**School(s):** Huron  

**Course #:** IB509300, IB509301, IB509302  
**Grade(s):** 11, 12  

<table>
<thead>
<tr>
<th>Duration:</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite:</th>
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<td>0.5</td>
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<td>French II</td>
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</tr>
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</table>

**French SL/HL Yr 1 (Grade 11)**  
French SL/HL Yr 1 (IB) is the first year of a two-year course that approaches the learning of French through meaning. Through the study of the core and option themes plus two literary works (L’étranger, Albert Camus and Huis clos, Jean Paul Sartre). Student will build the necessary skills to reach the assessment objectives of of the French language B course by expanding their receptive, productive and interactive skills. All reading, writing, and oral dialogues and presentations will be conducted in French. This course satisfies the Language Acquisition requirement for Full IB Diploma students.

**French SL Yr 2 (Grade 12)**  
French SL Yr 2 (IB) is the second year of a two-year course. The French SL/HL (IB) syllabus, a two year course, approaches the learning of French through meaning. Through the study of the core and option themes plus two literary works (L’étranger, Albert Camus and Huis clos, Jean Paul Sartre). Student will build the necessary skills to reach the assessment objectives of of the French language B course by expanding their receptive, productive and interactive skills. All reading, writing, and oral dialogues and presentations will be conducted in French. This course satisfies the Language Acquisition requirement for Full IB Diploma students.

**French HL Yr 2 (Grade 12)**  
French HL Yr 2 (IB) is the second year of a two-year course. The French SL/HL (IB) syllabus, a two year course, approaches the learning of French through meaning. Through the study of the core and option themes plus two literary works (L’étranger, Albert Camus and Huis clos, Jean Paul Sartre). Student will build the necessary skills to reach the assessment objectives of of the French language B course by expanding their receptive, productive and interactive skills. All reading, writing, and oral dialogues and presentations will be conducted in French. This course satisfies the Language Acquisition requirement for Full IB Diploma students.
# WORLD LANGUAGE

## GERMAN AB INITIO SL YR1 IB

**School(s):** Huron  
**Course #:** IB502101, IB502102  
**Grade(s):** 11, 12  
**Duration:** 2 Terms  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** World Language  
**Prerequisite:** None  
**NCAA Status:** APPROVED

**German Ab Initio Yr1 (Grade 11)**

German ab initio ("from the beginning") year 1 course designed for 11th grade students who are enrolled in the Full IB Diploma Programme. This course satisfies the Group 2 language requirement for the IB Diploma Programme. This course adheres to the standards adopted by the State of Michigan. Students enrolled in the Ab Initio languages do not need to have any prior experience with the language.

## GERMAN AB INITIO SL YR2 IB

**School(s):** Huron  
**Course #:** IB502101, IB502102  
**Grade(s):** 11, 12  
**Duration:** 2 Terms  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** World Language  
**Prerequisite:** None  
**NCAA Status:** APPROVED

**German Ab Initio Yr2 (Grade 12)**

German ab initio ("from the beginning") year 2 course designed for 12th grade students who are enrolled in the Full IB Diploma Programme. This course satisfies the Group 2 language requirement for the IB Diploma Programme. This course adheres to the standards adopted by the State of Michigan.

## GERMAN I

**School(s):** Pioneer  
**Course #:** 502011  
**Grade(s):** 9, 10, 11, 12  
**Duration:** 2 Terms  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** World Language  
**Prerequisite:** None  
**NCAA Status:** APPROVED

The emphasis in German I is on speaking the language and on oral comprehension. Extensive use of technology helps in the acquisition of communication skills, which include reading and writing. Language production and active communication in all its forms is stressed.

Upon successful completion of this course students should select German II or German II AC with teacher recommendation.

## GERMAN I IB

**School(s):** Huron  
**Course #:** IB502011  
**Grade(s):** 9  
**Duration:** 1 Year  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** World Language  
**Prerequisite:** None  
**NCAA Status:** APPROVED

German I (IB) aligns with the standards adopted by the State of Michigan. This course is intended primarily for 9th grade students, but may also be populated with appropriately-placed 10th grade, 11th grade, or 12th grade students.

## GERMAN II

**School(s):** Pioneer  
**Course #:** 502021  
**Grade(s):** 9, 10, 11, 12  
**Duration:** 2 Terms  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** World Language  
**Prerequisite:** German I  
**NCAA Status:** APPROVED

In German II, basic grammar, vocabulary, and listening, speaking, reading and writing skills are emphasized. Various aspects of German culture also continue to be studied. Student language production is emphasized.

Upon successful completion of this course students should select German III or German III AC with teacher recommendation.

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Course offerings are subject to sufficient enrollment; course offerings and descriptions are subject to change.

Ann Arbor Public Schools  
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## WORLD LANGUAGE

### GERMAN II AC

<table>
<thead>
<tr>
<th>Course #: 502022</th>
<th>School(s): Huron, Pioneer</th>
<th>Grade(s): 9, 10, 11, 12</th>
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<td><strong>Credit/Term:</strong> 0.5</td>
<td><strong>Meets Grad Requirements:</strong> World Language</td>
</tr>
</tbody>
</table>

Students with outstanding ability in German I are recommended for this accelerated course which may lead to Advanced Placement in German. These students are expected to understand simple spoken German without difficulty, speak German with reasonable accuracy, to read and write at an AC level. Students in this class work more intensively and cover more grammar and language production than those in German II.

Upon successful completion of this course students should select German III AC with teacher recommendation or German III.

### GERMAN II IB

<table>
<thead>
<tr>
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</tbody>
</table>

German II (IB) aligns with the standards adopted by the State of Michigan. This course is intended primarily for 10th grades students, but may also be populated with appropriately-placed 9th grade, 11th grade, or 12th grade students.

### GERMAN III

<table>
<thead>
<tr>
<th>Course #: 502031</th>
<th>School(s): Huron, Pioneer</th>
<th>Grade(s): 10, 11, 12</th>
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<td><strong>Duration:</strong> 2 Terms</td>
<td><strong>Credit/Term:</strong> 0.5</td>
<td><strong>Meets Grad Requirements:</strong> World Language</td>
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</tbody>
</table>

In German III, a general review of topics and vocabulary and grammatical structures is presented for the purpose of proficiency, comprehension and comprehensibility. Training in the organization and writing of short compositions and responding orally in clear German is emphasized. German culture, customs and some current events will also be studied.

Upon successful completion of this course students should select German IV or German IV AC with teacher recommendation.

### GERMAN III AC

<table>
<thead>
<tr>
<th>Course #: 502032</th>
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<th>Grade(s): 10, 11, 12</th>
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<td><strong>Credit/Term:</strong> 0.5</td>
<td><strong>Meets Grad Requirements:</strong> World Language</td>
</tr>
</tbody>
</table>

In this accelerated course a brief review of general grammar is presented, followed by intensive study of more complex grammatical forms and idiomatic expressions. All four language skills are stressed (listening, speaking, reading and writing) on an accelerated basis. German culture is presented through the study of current events, customs, and some German history.

Upon successful completion of this course students should select German IV AC with teacher recommendation or German IV.
WORLD LANGUAGE

GERMAN IV
School(s): Huron, Pioneer
Course #: 502041
Grade(s): 11, 12

Duration: 2 Terms  Credit/Term: 0.5  Meets Grad Requirements: World Language  Prerequisite: German III or German III AC  NCAA Status: APPROVED

Extensive practice in production of spoken and written German is the primary focus of German IV. German culture and history are obtained from newspapers, magazines and short stories. Dialogues, summarization's, short reports and language production are emphasized by means of reading and reports. Spoken German continues to be an integral part. Representative works of German authors may be read.

Upon successful completion of this course students should select AP German Language with teacher recommendation.

GERMAN IV AC
School(s): Huron, Pioneer
Course #: 502042
Grade(s): 11, 12

Duration: 2 Terms  Credit/Term: 0.5  Meets Grad Requirements: World Language  Prerequisite: German III AC or German III; and teacher recommendation  NCAA Status: APPROVED

In this fourth year accelerated course, primary emphasis is placed on advancing the students’ communicative skills through the study of advanced grammatical structures, writing of compositions, oral presentations and reading of authentic German materials, newspapers, magazines, short stories and excerpts of longer German works. Art, culture and current events are also studied. Students are encouraged to use German every day. Instruction is given primarily in German.

Upon successful completion of this course students should select AP German Language with teacher recommendation.

GERMAN LANGUAGE, AP
School(s): Pioneer
Course #: 502051
Grade(s): 12

Duration: 2 Terms  Credit/Term: 0.5  Meets Grad Requirements: World Language  Prerequisite: German IV or German IV AC; and teacher recommendation  NCAA Status: APPROVED

The AP German Language course is the culmination of the German language program that emphasizes speaking, reading and writing. The goal is a high level of proficiency in understanding spoken German in formal and conversational situations and in the use of vocabulary and grammar. Students should be able to read and understand authentic texts and authentic videos, fiction and non-technical writing. They should be able to express a variety of ideas orally and in writing by the end of the year.

This course has preparation for the Advanced Placement examination, for college credit, as one of its objectives. However, students electing the course are not obligated to take the examination. AP testing occurs in May.
WORLD LANGUAGE

GERMAN SL/HL YR1 IB
GERMAN SL YR2 IB
GERMAN HL YR2 IB

Course #: IBS09400, IBS09401, IBS09402
Grade(s): 11, 12

School(s): Huron

Duration: 1 Year each
Credit/Term: 0.5
Meets Grad Requirements: World Language
Prerequisite: German II
NCAA Status: APPROVED

German SL/HL Yr1 (Grade 11)
German SL/HL Yr1 (IB) is the first year of a two-year course. This course provides students with the opportunity to promote an understanding of other cultures through the study of language. This two year course is intended for 11th and 12th grade students and designed for students who possess a degree of knowledge and experience in German. This course satisfies the foreign language requirement for Full IB Diploma students. Selecting the Higher Level option in senior year should be able to follow university courses in German. This course satisfies the Language Acquisition requirement for Full IB Diploma students.

German SL Yr2 (Grade 12)
German SL Yr2 (IB) is the second year of a two-year course. This course provides students with the opportunity to promote an understanding of other cultures through the study of language. This two year course is intended for 11th and 12th grade students and designed for students who possess a degree of knowledge and experience in German. This course satisfies the foreign language requirement for Full IB Diploma students. Selecting the Higher Level option in senior year should be able to follow university courses in German. This course satisfies the Language Acquisition requirement for Full IB Diploma students.

German HL Yr2 (Grade 12)
German HL Yr2 (IB) is the second year of a two-year course. This course provides students with the opportunity to promote an understanding of other cultures through the study of language. This two year course is intended for 11th and 12th grade students and designed for students who possess a degree of knowledge and experience in German. This course satisfies the foreign language requirement for Full IB Diploma students. Selecting the Higher Level option in senior year should be able to follow university courses in German. This course satisfies the Language Acquisition requirement for Full IB Diploma students.

GERMAN V

Course #: 502053
Grade(s): 9, 10, 11, 12

School(s): Huron

Duration: 2 Terms
Credit/Term: 0.5
Meets Grad Requirements: World Language
Prerequisite: German IV or teacher recommendation
NCAA Status: APPROVED

The German V language course is the culmination of the German language program that emphasizes speaking, reading, and writing. The goal is a high level of proficiency in understanding spoken German in formal and conversational situations and in the use of vocabulary and grammar. Students should be able to read and understand authentic texts and authentic videos, fiction and nontechnical writing. They should be able to express a variety of ideas orally and in writing by the end of the year.

LATIN I

Course #: 503011
Grade(s): 9, 10, 11, 12

School(s): Pioneer, Skyline

Duration: 2 Terms
Credit/Term: 0.5
Meets Grad Requirements: World Language
Prerequisite: None
NCAA Status: APPROVED

Latin offers the opportunity to study both the language and the culture of ancient Rome, which has had a profound influence upon Western culture. Students learn the grammar of the language in its simpler aspects by engaging with level-appropriate passages based on the daily life and culture of the Romans. Emphasis is placed on English derivatives and common Latin expressions in English.

Upon successful completion of this course students should select Latin II.
**LATIN I IB**

| School(s): | Huron |
| Course #: | IB503011 |
| Grade(s): | 9 |

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
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</table>

Latin I (IB) is designed to prepare the student for the reading of authentic Latin texts and promoting the exploration of the languages, literatures and cultures of the ancient Mediterranean. The class also aims to enhance the appreciation of the influence of the Latin language on modern thought and language, and to develop the skills of critical thought, memory, and close textual analysis.

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**LATIN II**

| School(s): | Pioneer, Skyline |
| Course #: | 503021 |
| Grade(s): | 9, 10, 11, 12 |

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
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<tbody>
<tr>
<td>2 Terms</td>
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<td>Latin I</td>
<td>APPROVED</td>
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</tbody>
</table>

Students review the vocabulary and forms of Latin I. The remaining forms and grammatical constructions are studied. Vocabulary is enlarged and considerable reading is done.

Upon successful completion of this course students should select Latin III or an advanced Latin course at Community.

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**LATIN II IB**

| School(s): | Huron |
| Course #: | IB503021 |
| Grade(s): | 9, 10 |

<table>
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<th>Duration</th>
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<th>Prerequisite</th>
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</tr>
</thead>
<tbody>
<tr>
<td>1 Year</td>
<td>0.5</td>
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<td>Latin I</td>
<td>APPROVED</td>
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</table>

Latin II (IB) is designed to build on the skills learned in Year 1 in preparing the student for the reading of authentic Latin texts and exploring the languages, literatures and cultures of the ancient Mediterranean. The class also aims to enhance the appreciation of the influence of the Latin language on modern thought and language, and to develop the skills of critical thought, memory, and close textual analysis.

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**LATIN III**

| School(s): | Huron, Pioneer, Skyline |
| Course #: | 503031 |
| Grade(s): | 10, 11, 12 |

<table>
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<tr>
<th>Duration</th>
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<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
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<tbody>
<tr>
<td>2 Terms</td>
<td>0.5</td>
<td>World Language</td>
<td>Latin II</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

Latin III will introduce authentic works of Latin prose and poetry. Through these readings, students will gain an in-depth understanding of Roman history, particularly during the transition from the Republic to Empire. Emphasis on acquisition of new vocabulary and mastery of grammatical structures will prepare students for Latin IV.

Upon successful completion of this course students should select Latin IV.

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**LATIN IV**

| School(s): | Huron, Pioneer, Skyline |
| Course #: | 503041 |
| Grade(s): | 11, 12 |

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
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<tbody>
<tr>
<td>2 Terms</td>
<td>0.5</td>
<td>World Language</td>
<td>Latin III</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

This course will introduce students to Latin prose and poetry. Students who have completed Latin IV will prepared for the Latin SAT II exam. Topics studied will include rhetoric, metrics, the figurative use of language and the analysis of poetry. These skills will be taught so that they may be used in the analysis of artistic English writing. A variety of primary texts will be studied.
## Latin AP Literature

**School(s):** Pioneer, Skyline  
**Course #:** 503051  
**Grade(s):** 9, 10, 11, 12  
**Duration:** 2 Terms
3 Terms (Skyline)  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** World Language  
**Prerequisite:** Latin IV; and teacher recommendation.  
**NCAA Status:** APPROVED

Latin AP Literature builds on the groundwork laid in Latin IV and will prepare the students for analysis of literary texts at the college level. Readings will concentrate on Vergil’s Aeneid and on Caesar’s Gallic Wars in preparation for the AP exam (which is, however, optional). Emphasis will be given to techniques of Roman epic poetry and to more advanced rhetorical strategies. A significant portion of the course will be dedicated to sight reading.

This course has preparation for the Advanced Placement examination, for college credit, as one of its objectives. However, students electing the course are not obligated to take the examination. AP testing occurs in May.

## Latin SL/HL Yr1 IB  
Latin SL Yr2 IB  
Latin HL Yr2 IB

**School(s):** Huron  
**Course #:** IB509500, IB509501, IB509502  
**Grade(s):** 11, 12  
**Duration:** 1 Year each  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** World Language  
**Prerequisite:** Latin II  
**NCAA Status:** APPROVED

Latin SL/HL Years 1 and 2 (IB) are designed to train the student in the reading of authentic Latin texts and in the exploration of the languages, literatures and cultures of the ancient Mediterranean. The class also aims to enhance the appreciation of the influence of the Latin language on modern thought and language, and to develop the skills of critical thought, memory, and close textual analysis. This course satisfies the Language Acquisition requirement for Full IB Diploma students.

Latin SL Yr2 (Grade 12)  
Latin HL Yr2 (Grade 12)

Latin SL Yr2 (IB) is the second year of a two-year course. Latin SL/HL Years 1 and 2 (IB) are designed to train the student in the reading of authentic Latin texts and in the exploration of the languages, literatures and cultures of the ancient Mediterranean. The class also aims to enhance the appreciation of the influence of the Latin language on modern thought and language, and to develop the skills of critical thought, memory, and close textual analysis. This course satisfies the Language Acquisition requirement for Full IB Diploma students.

Latin HL Yr2 (Grade 12)  
Latin HL Yr2 (IB) is the second year of a two-year course. Latin SL/HL Years 1 and 2 (IB) are designed to train the student in the reading of authentic Latin texts and in the exploration of the languages, literatures and cultures of the ancient Mediterranean. The class also aims to enhance the appreciation of the influence of the Latin language on modern thought and language, and to develop the skills of critical thought, memory, and close textual analysis. This course satisfies the Language Acquisition requirement for Full IB Diploma students.

## Spanish I

**School(s):** Community, Pathways, Pioneer, Skyline  
**Course #:** 505011  
**Grade(s):** 9, 10, 11, 12  
**Duration:** 2 Terms  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** World Language  
**Prerequisite:** None  
**NCAA Status:** APPROVED

Spanish I offers the opportunity to study both the language and the culture of the Spanish-speaking community. The course focuses on building a basic proficiency that allows students to communicate in the target language in realistic and common situations. Class activities and assessments will emphasize interpretive reading and listening skills as well as interpersonal and presentational speaking and writing skills. Students will utilize authentic resources from the target culture to concentrate on culture, comparisons and connections.

Upon successful completion of this course students should select Spanish II or Spanish II AC with teacher recommendation.
## World Language

### Spanish I IB

**School(s):** Huron  
**Course #:** IB505011  
**Grade(s):** 9  
**Duration:** 1 Year  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** World Language  
**Prerequisite:** None  
**NCAA Status:** APPROVED

Spanish I (IB) is intended to help students develop their understanding of the fundamental concepts of Spanish language and Spanish-speaking cultures. The course will cover all of the novice ACTFL and Michigan standards for foreign language. This course is intended for all students with no prior experience in Spanish. It will serve as an introductory class that will prepare students for upper level Spanish courses and will meet half of the State of Michigan 2-year language graduation requirement. The performance expectations of the course will focus on all language competencies: interpretive reading, interpretive writing, interpersonal writing, interpersonal speaking, presentational writing, presentational speaking and students cultural competencies.

### Spanish II

**School(s):** Community, Pathways, Pioneer, Skyline  
**Course #:** 505021  
**Grade(s):** 9, 10, 11, 12  
**Duration:** 2 Terms  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** World Language  
**Prerequisite:** Spanish I  
**NCAA Status:** APPROVED

In Spanish II, students will continue to develop proficiency to communicate with native speakers in realistic situations. Teachers will offer activities that allow them to work on developing their interpretive reading and listening skills, as well as interpersonal and presentational speaking and writing skills. Students will have opportunities to use authentic resources from the target language that will focus on culture, comparisons and connections with the target culture.

Upon successful completion of this course students should select Spanish III or Spanish III AC with teacher recommendation.

### Spanish II AC

**School(s):** Pioneer, Skyline  
**Course #:** 505022  
**Grade(s):** 9, 10, 11, 12  
**Duration:** 2 Terms  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** World Language  
**Prerequisite:** Spanish I  
**NCAA Status:** APPROVED

In Spanish II AC, students will continue to develop proficiency to communicate with native speakers in real life situations. Teachers will offer activities that allow students to work on developing their interpretive reading and listening skills, as well as interpersonal and presentational speaking and writing skills. Students will have opportunities to use authentic resources from the target language that will focus on culture, comparisons and connections with the target language.

Upon successful completion of this course students should select Spanish III AC with teacher recommendation or Spanish III.

### Spanish II AC IB

**School(s):** Huron  
**Course #:** IB505022  
**Grade(s):** 9, 10  
**Duration:** 2 Terms  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** World Language  
**Prerequisite:** Spanish I  
**NCAA Status:** APPROVED

In Spanish II AC IB students continue to study the structure of the language through listening, oral and written drills and more complex grammatical structures. This course includes conversation and a progressively greater emphasis is placed on the acquisition of reading and writing skills. The study of Spanish-speaking cultures continues.

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**School(s):** Huron  
**Course #:** IB505021  
**Grade(s):** 9, 10

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<td>Spanish I</td>
<td>APPROVED</td>
</tr>
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</table>

In Spanish II (IB) students continue to study the structure of the language through listening, oral and written drills and more complex grammatical structures. This course include conversation and a progressively greater emphasis is placed on the acquisition of reading and writing skills. The study of Spanish-speaking cultures continues via Inquiry Based activities.

### SPANISH III

**School(s):** Community, Huron, Pioneer, Skyline  
**Course #:** 505031  
**Grade(s):** 9, 10, 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
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<th>Prerequisite</th>
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<td>0.5</td>
<td>World Language</td>
<td>Spanish II or Spanish II AC</td>
<td>APPROVED</td>
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</table>

In Spanish III, students will continue to develop proficiency to communicate with native speakers in real-life situations with additional supports from the teacher and classmates. Teachers will offer activities that allow students to work on developing their interpretive reading and listening skills, as well as interpersonal and presentational speaking and writing skills. Students will have increased opportunities to use authentic resources from the target language that will focus on culture, comparisons and connections. Students will be expected to communicate in the target language with support. This class offers a more challenging approach to the four language skills. This course provides students additional opportunities to expand their listening, speaking, reading and writing skills as they create the language and as they access authentic materials and media on generally familiar topics.

Upon successful completion of this course students should select Spanish IV or Spanish IV AC with teacher recommendation.

### SPANISH III AC

**School(s):** Huron, Pioneer, Skyline  
**Course #:** 505032  
**Grade(s):** 9, 10, 11, 12

<table>
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<tr>
<td>2 Terms</td>
<td>0.5</td>
<td>World Language</td>
<td>Spanish II AC or Spanish II; and teacher recommendation</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>

In Spanish III AC, students will continue to develop proficiency to communicate with native speakers in real-life situations. Teachers will offer activities that allow students to work on developing their interpretive reading and listening skills, as well as interpersonal and presentational speaking and writing skills. Students will have increased opportunities to use authentic resources from the target language that will focus on culture, comparisons and connections. Students will be expected to communicate in the target language. This class offers a more challenging approach to the four language skills. This course provides students additional opportunities to expand their listening, speaking, reading and writing skills as they create the language and as they access authentic materials and media on generally familiar topics.

Upon successful completion of this course students should select Spanish IV AC with teacher recommendation or Spanish IV.

### SPANISH III IB

**School(s):** Huron  
**Course #:** 505033  
**Grade(s):** 10, 11, 12

<table>
<thead>
<tr>
<th>Duration</th>
<th>Credit/Term</th>
<th>Meets Grad Requirements</th>
<th>Prerequisite</th>
<th>NCAA Status</th>
</tr>
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<tbody>
<tr>
<td>2 Terms</td>
<td>0.5</td>
<td>World Language</td>
<td>Spanish II IB</td>
<td>APPROVED</td>
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</table>

In Spanish III (IB) students continue to study the structure of the language through listening, oral and written drills and more complex grammatical structures. This course include conversation and a progressively greater emphasis is placed on the acquisition of reading and writing skills. The study of Spanish-speaking cultures continues.
### SPANISH IV

| School(s): Community, Huron, Pioneer, Skyline |
| Course #: 505041 |
| Grade(s): 9, 10, 11, 12 |

**Duration:** 2 Terms  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** World Language  
**Prerequisite:** Spanish III or Spanish III AC  
**NCAA Status:** APPROVED

In Spanish IV, students will continue to develop proficiency to communicate with native speakers in real life situations. Teachers will offer activities that allow them to work on developing their interpretive reading and listening skills, as well as interpersonal and presentational speaking and writing skills with support from the teacher and classmates. Students will have opportunities to use authentic resources from the target language that will focus on culture, comparisons and connections. Students do extensive culture readings, research on various culture topics and practice writing skills through several essay assignments. Students at this advanced language level are expected to demonstrate greater and more sophisticated proficiency of the target language through literature, culture and history.

Upon successful completion of this course students should select Spanish IV AC with teacher recommendation or AP Spanish Language with teacher recommendation.

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### SPANISH IV AC

| School(s): Huron, Pioneer, Skyline |
| Course #: 505042 |
| Grade(s): 9, 10, 11, 12 |

**Duration:** 2 Terms  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** World Language  
**Prerequisite:** Spanish III AC or Spanish III; and teacher recommendation  
**NCAA Status:** APPROVED

In Spanish IV AC, students will continue to develop proficiency to communicate with native speakers in real life situations. Teachers will offer activities that allow them to work on developing their interpretive reading and listening skills, as well as interpersonal and presentational speaking and writing skills. Students will have increased opportunities to use authentic resources from the target language that will focus on culture, comparisons and connections. Students do extensive culture readings, research on various culture topics and practice writing skills through several essay assignments with higher expectations. Students at this advanced language level are expected to demonstrate greater and more sophisticated proficiency of the target language through literature, culture and history.

Upon successful completion of this course students should select AP Spanish Language with teacher recommendation.

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### SPANISH LANGUAGE, AP

| School(s): Huron, Pioneer, Skyline |
| Course #: 505051 |
| Grade(s): 12 |

**Duration:** 2 Terms  
**Credit/Term:** 0.5  
**Meets Grad Requirements:** World Language  
**Prerequisite:** Spanish IV or Spanish IV AC; and teacher recommendation  
**NCAA Status:** APPROVED

Students will improve interpersonal, interpretive, and presentational modes of communication in Spanish and increase vocabulary usage, language control, communication strategies, and cultural awareness. The course engages students in an exploration of culture in both contemporary and historical contexts and it develops students’ awareness and appreciation of cultural products, practices, and perspectives. The course is taught exclusively in Spanish and students are expected to speak Spanish at all times.

This course has preparation for the Advanced Placement examination, for college credit, as one of its objectives. However, students electing the course are not obligated to take the examination. AP testing occurs in May.
SPANISH SL/HL YR1 IB  
SPANISH SL YR2 IB  
SPANISH HL YR2 IB

Course #: IB509600, IB509601, IB509602

Grade(s): 11, 12

School(s): Huron

Course offerings are subject to sufficient enrollment; course offerings and descriptions are subject to change.

Ann Arbor Public Schools

2020-2021 High School Course Guide

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# MISCELLANEOUS

## TRAILBLAZERS

<table>
<thead>
<tr>
<th>School(s):</th>
<th>Pioneer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade(s):</td>
<td>9, 10, 11, 12</td>
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### Course #: 904010

<table>
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<th>Prerequisite:</th>
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</tbody>
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Trailblazers is an experiential learning course offered to seniors who are interested in learning and practicing the skills necessary to be an effective teacher and mentor. Trailblazers is a combination of instruction from a certified secondary teacher and direct experience in an elementary classroom, supervised by the elementary teacher and site supervisor.