



Ottawa Hills Local Schools

CURRICULUM GUIDE 2024-2025

QUESTIONS

About Courses of Study

William D. Miller, PhD
*Assistant Superintendent
of Curriculum and Instruction*
(419) 536-2713

About Scheduling and Credit

Jasa George
Dean of Students
(419) 534-5376

Jennifer Nagy
School Counselor 10-12
(419) 536-8047

Nikki Tolliver
School Counselor 7-9
(419) 536-8047

Continue Below

This page was included to optimize the formatting of the printed edition and remains here so that the pagination of the two versions remains the same.

This document is subject to change.

The district reserves the right to revise this document in order to respond to guidance from the Ohio Department of Education. For the most current version, refer to the district website.

For information regarding state requirements, you may also refer to education.ohio.gov

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NOTICE OF NONDISCRIMINATION

Any form of discrimination or harassment can be devastating to an individual's academic progress, social relationship and/or personal sense of self-worth. Therefore, the Board of Education will not discriminate nor tolerate harassment in its educational programs or activities for any reasons, including on the basis of religion, race, color, national origin, sex, disability, military status, ancestry, age, or genetic information. Additionally, it will not discriminate in its employment policies and practices.

The Board is committed to providing an equal opportunity for all students, regardless of race, color, creed, disability, religion, gender, ancestry, age, national origin, place of residence within the boundaries of the District, or social or economic background, to learn through the curriculum offered in this District.

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GENERAL INFORMATION

ACCREDITATIONS

Ottawa Hills High School is fully accredited by the State of Ohio and the North Central Association and Commission on Accreditation and School Improvement, a division of AdvancED. This means that by maintaining the standards set by the accrediting groups, our students are eligible to attend all colleges and universities accredited by AdvancED.

SCHEDULING OF STUDENTS

Much thought and work on the part of the teachers, counselors, and administrators go into registration. Students are encouraged to take the courses that are aligned with their career goals, will challenge them academically, and in which they will experience success.

Parents are urged to consider their student's schedule carefully and to call the school if there is any question on course choices. If a student is not recommended for a course, it is because the counselor and/or teachers feel that he/she will have difficulty achieving success in the course.

Each student is required to schedule at least four core academic/full-credit courses per year (or the equivalent each semester). All students must be registered for at least seven (7) courses per semester unless registered for college courses under the CCP program. Parents and students will have time to discuss selection of courses before the schedule is finalized. The master schedule is developed as a result of student requests.

A laboratory science may require more than one period to qualify as a laboratory science by state minimum standards. The lab sciences include biology, chemistry, anatomy and physiology, and physics. Science courses with labs are scheduled for additional periods that may be held before school and/or during lunch.

FINALIZED SCHEDULES and CHANGE REQUESTS

Students and parents will be given time prior to registration for sufficient thought regarding course selection. All schedules for the 2024-2025 school year are expected to be finalized by the end of the current school year. **Students may NOT change their schedules without written approval by the principal.**

It is expected that students enrolled in year-long courses will complete both semesters. Any exception must be reviewed in a meeting that may involve student, parent, teacher, counselor, and administrator. If approved, subsequent course withdrawals will be noted on the transcript with a "W". Students may not drop a year-long course at the semester to take a College Credit Plus (CCP) course.

HIGH SCHOOL PLACEMENT OF STUDENTS

In an attempt to place each student into the most challenging curriculum possible, students taking high school courses are placed into one of two achievement levels in English, mathematics, science, and social studies.

CLASS STATUS

Entrance to the Ottawa Hills High School program is granted upon satisfactory completion of work in the eighth grade. Class status is based on the following:

| | |
|-----------|-------------------------|
| Sophomore | Five or more credits |
| Junior | Eleven or more credits |
| Senior | Sixteen or more credits |

The high school utilizes grouping of students in classes with others of comparable achievement. Quality points are granted depending on the difficulty of the course. The chart below depicts the course weighting designations.

WEIGHTED GRADE POINT AVERAGE

Each student earns a weighted cumulative grade point average (GPA) for high school coursework. Beginning with the first high-school level course taken, the weighted GPA is determined using semester grades only. Total quality points will be divided by the total number of credits attempted.

Quality points are awarded based on the level of the course taken, the credit value of the course, and the grades earned according to designations in the table below.

COURSE WEIGHTING DESIGNATIONS FOR WEIGHTED GPA

| Levels | Quality Point Weighting | | | | | Transcript Symbols |
|----------------------|-------------------------|--------|--------|--------|---|--------------------|
| | A | B | C | D | F | |
| Advanced Placement | 5 | 4 | 3 | 2 | 0 | AP |
| College Credit Plus* | 4 to 5 | 3 to 4 | 2 to 3 | 1 to 2 | 0 | CCP |
| Honors | 4.5 | 3.5 | 2.5 | 1.5 | 0 | HR |
| Regular | 4 | 3 | 2 | 1 | 0 | (none) |

*Weighted grades for CCP courses only apply to content areas in which there are AP or HR courses. CCP courses of 3 or more college credit hours is the equivalent of one unit of credit at Ottawa Hills and will be weighted accordingly.

COURSES INCLUDED IN GRADE POINT AVERAGE

The following courses will be used to calculate grade point average (GPA):

1. All high school level courses taken at Ottawa Hills (including high school level courses taken in the junior high);
2. Approved Educational Options/Credit Flexibility courses;
3. University level courses taken under the state provisions of the College Credit Plus (CCP) program;
4. Approved summer high school courses taken due to failure; and
5. Online courses approved by the district for students at the Junior/Senior High School.
6. Repeated courses, other than those taken due to failure, will not be included in the GPA.

THE ROTATING SCHEDULE

Each student is scheduled for eight periods of 55 minutes each. (Five minutes are allowed between periods for change of classes.) On each day, named "A", "B", "C", or "D" day, students attend classes for six of the eight periods. The calendar for the daily rotation is established at the beginning of the school year and is not altered because of days missed due to inclement weather or other emergency school closings.

| Hours of Day* | "A" Day | "B" Day | "C" Day | "D" Day |
|-----------------|------------------|----------|----------|----------|
| 8:10 -9:05 | Period 1 | Period 1 | Period 1 | Period 2 |
| 9:10 -10:05 | Period 2 | Period 2 | Period 3 | Period 3 |
| 10:10 -11:10 | Period 3 | Period 4 | Period 4 | Period 4 |
| 11:10 -12:05 | <i>Lunch</i> | | | |
| 11:15 - 11:45** | <i>Lunch Lab</i> | | | |
| 12:05 -1:00 | Period 5 | Period 5 | Period 5 | Period 6 |
| 1:05 -2:00 | Period 6 | Period 6 | Period 7 | Period 7 |
| 2:05 -3:00 | Period 7 | Period 8 | Period 8 | Period 8 |
| Periods Omitted | 4 and 8 | 3 and 7 | 2 and 6 | 1 and 5 |

* Early Bird classes – 7:30 - 8:10 a.m.

** Lunch Lab classes meet at least once in each four-day rotation.

THE OHIO CORE

State law (ORC 3313.603) includes the Ohio Core curriculum for the purpose of establishing standard expectations for all students graduating from Ohio high schools. The underlying themes of the Ohio Core are to prepare students for post-secondary endeavors, including higher education; reduce remediation at the college level; and provide students with the knowledge and skills to be successful in the 21st century. This legislation states that students who do not meet the requirements of the Ohio Core curriculum may be ineligible to enroll in most state universities in Ohio without further coursework. Our curriculum meets or exceeds the requirements of the Ohio Core.

OHIO GRADUATION CREDIT REQUIREMENTS

Ottawa Hills Junior/Senior High School is governed by the Ohio Department of Education regarding the minimum graduation requirements. Our Board of Education is permitted by law to exceed these requirements, and has chosen to exceed state requirements in some areas. To graduate from Ottawa Hills Junior/Senior High School, students are required to complete 24 units of credit, which exceeds the required 20 units of credit established by the Ohio legislature.

OTTAWA HILLS GRADUATION REQUIREMENTS

To graduate from Ottawa Hills Junior/Senior High School, a student must meet the following graduation requirements:

| Content Area | Required Units of Credit |
|-----------------------------|--------------------------|
| English | 4.0 |
| Mathematics ¹ | 4.0 |
| Science ² | 4.0 |
| Social Studies ³ | 3.0 |
| Fine Arts ⁴ | 1.0 |
| Computer Tech ⁵ | 1.0 |

| Content Area | Required Units of Credit |
|---------------------------------|--------------------------|
| Physical Education | 0.5 (1 year = ½ credit) |
| Health | 0.5 |
| Financial Literacy ⁶ | 0.5 |
| Public Speaking | 0.5 |
| Electives | 5.0 |
| TOTAL CREDITS | 24 |

¹ This includes Algebra I, Geometry, and Algebra II (or the equivalent of Algebra II). All students should take three (3) years of mathematics after Algebra I.

² This includes 1 unit of Biology; 1 unit of Chemistry, Physics, or Physical Science; and 2 units of advanced study in physical, life, or earth sciences.

³ This includes 1 unit of Modern American History, 1 unit of World History/Modern World History, and 1 unit of United States Government and Politics [American Government] or AP United States Government and Politics.

⁴ Fine arts includes both music and art courses.

⁵ Computer Technology includes STEM courses

⁶ All students are required to take either Economics or Personal Finance to meet the financial literacy requirements of the Ohio Core legislation.

Although taking world languages is not a requirement for graduation, it is *strongly* recommended that all college-bound students take a minimum of three (3) years of one world language or two (2) years each of two different world languages.

Generally, one unit of credit is earned by satisfactorily completing the work required over a 36-week period; one-half unit over an 18-week period. College Credit Plus (CCP) courses that earn 3 or 4 college credit hours of credit will earn one unit of high school credit, even if a semester course.

Students who take high school courses in eighth grade will receive high school credit that will apply toward fulfillment of the above graduation requirements.

DETAILED GRADUATION REQUIREMENTS

Students must meet the following requirements, which are detailed at [Education.Ohio.Gov](https://www.education.ohio.gov). The requirements include three key components:

- 1. Course Completion** - Students will satisfy Ohio's curriculum requirements and any additional local requirements (see previous page).
- 2. Competency Demonstration** - Students will demonstrate competency in the foundational areas of English language arts and mathematics. The *primary* means of doing so is by earning a "competency score" on both the ELA II End-of-Course Exam and the Algebra I End-of-Course Exam. Currently, that score is set at 684, on a scale where 700 is "proficient."
- 3. Readiness Demonstration** - Students will demonstrate readiness for their post-high school paths by earning two (2) graduation seals. There are several choices, but students need to plan for just two (2)-- one of which must come from the top three rows below. The following table includes all of the choices and, where applicable, indicates the *primary* means of attaining each at Ottawa Hills. Please note that there are other means for attaining each seal.



Honors Diploma Seal

Earn an academic honors diploma (see page 12).



Citizenship Seal

Earn a 700 or higher on both the American History and American Government End-of-Course Exams.



Military Enlistment Seal

Provide evidence of enlisting in the U.S. Armed Forces.



Technology Seal

Complete two electives designated as technology courses.



Seal of Biliteracy

Earn a 700 on the ELA II End-of-Course Exam and pass a state-approved language assessment.



Industry-Recognized Credential Seal

Complete a Career Tech program through Sylvania City Schools.



Science Seal

Earn a 700 or higher on the Biology End-of-Course Exam.



College-Ready Seal

Earn remediation-free ACT scores (see page 7).



Ohio Means Jobs Readiness Seal

[Read More Here](#)



Community Service Seal

[Read More Here](#)



Student Engagement Seal

[Read More Here](#)



Fine and Performing Arts Seal

[Read More Here](#)

REQUIRED STATE TESTS

State testing laws require districts to administer End-of-Course Exams to all students at the completion of the associated course. The required End-of-Course Exams include the following:

| Course | Often Taken | Can Be Applied To These Graduation Requirements |
|--------------------------|-------------|---|
| Algebra I | 8th grade | math competency* |
| Geometry | 9th grade | course work completion |
| Biology | 9th grade | Science Seal |
| English Language Arts II | 10th grade | ELA competency*, Seal of Biliteracy |
| American History | 10th grade | Citizenship Seal |
| American Government | 11th grade | Citizenship Seal |
| State-Funded ACT | 11th grade | College-Ready Seal, Honors Diploma Seal |

*required

Federal and state laws require all districts and schools to test all students in specific grades and courses. There is no law that allows a parent or student to opt out of state testing, and there is no state test opt-out procedure or form.

Junior High students who take high school level courses for which there is an End-of-Course exam must take the corresponding End-of-Course exam. In all cases, the content of the course determines the End-of-Course exam taken.

COLLEGE-READINESS TESTS

Attaining a “remediation-free” score on one of the following college-readiness exams contributes to a student’s chances for a college-ready seal. Those scores are as follows:

ACT Remediation-Free Scores

| | |
|-------------|----|
| English | 18 |
| Mathematics | 22 |
| Reading | 22 |

SAT Remediation-Free Scores

| | |
|------------------------------------|-----|
| Evidence-Based Reading and Writing | 480 |
| Mathematics | 530 |

“Remediation Free” refers to the likelihood that a student would need remediation services in college. These remediation-free scores are determined by Ohio’s university presidents and are subject to change. The Ohio Department of Education will fund one administration of the ACT to all juniors in Ottawa Hills, typically in February.

ADVANCED PLACEMENT

The Advanced Placement (AP) Program is a program of college-level courses and exams for secondary school students. Over 90 percent of the colleges that most AP candidates have attended give credit and/or advanced placement to students whose AP Examination grades are considered acceptable.

Courses/Exams Offered Ottawa Hills High School expects to offer AP courses in the following areas for the 2024-2025 school year: Calculus, Chemistry, Computer Science Principles, English (2 courses), French, Spanish, United States Government and Politics, U.S. History, Music Theory, Physics, Biology, Statistics, Art History, and Studio Art. Students have also successfully taken the AP Examinations in courses taken as independent studies approved through the Educational Options Process (below).

Course Content An Advanced Placement course is a special college-level learning experience that most often takes a full academic year. It is usually challenging and stimulating and - compared to other high school courses - often takes more time, requires more work, gives greater opportunity for individual progress and accomplishment, and goes into greater depth. AP level courses demand a serious commitment on the part of the student. These courses offer the potential of earning college credit with the benefit of a year of instructional support by district faculty.

AP Exams All AP exams (except Studio Art and Computer Science Principles) contain both multiple-choice questions and free-response questions that require essay writing, problem-solving, and other skills. Most of the examinations are three to four hours long. They are given every year during two weeks in May at Ottawa Hills High School as well as at any other school that wishes to order and administer them.

AP Exam Grades Every examination receives an overall grade on a five-point scale: 5 (extremely well qualified), 4 (well qualified), 3 (qualified), 2 (possibly qualified), and 1 (no recommendation). AP grade reports are sent in July to each student's home address, school, and, if the student has requested, to his or her college.

Cost of Exams The current fee is \$98 for each exam taken. If you earn the required grade (usually 3 or higher) on an AP exam, you may receive up to eight (8) semester hours or twelve (12) quarter hours of college credit. Consult individual college placement offices about their policies. Note that the cost of the exam is subject to change; refer to [CollegeBoard website](#) for the most current information.

CREDIT FLEXIBILITY & EDUCATIONAL OPTIONS

Ohio's Credit Flexibility Plan is designed to broaden the scope of curricular options available to 7th through 12th grade students, increase the depth of study possible for a particular subject, and allow tailoring of learning time and/or conditions. Under Ohio's Credit Flexibility Plan, students may earn credits by demonstrating mastery of course content or by pursuing a broader range of educational experiences (e.g., distance learning, educational travel, internships, or community service projects).

Credit Flexibility is intended to motivate and increase student learning by allowing access to more learning resources, especially real-world experiences, and by allowing customization around individual student needs.

Ottawa Hills has an established Educational Options program. Currently Educational Options may take the form of independent studies, mentor programs, or tutorials. Credit may be earned in several curricular areas as agreed to by the school, the student, and the parent. Experiences of this type create opportunities for students not otherwise provided in the curriculum. **It is important to note, however, that extra study halls will not be scheduled to accommodate for the time they require. And, the cost of such pursuits are the responsibility of the student's parent or guardian.**

Credit Flexibility Plans or Educational Options must be approved prior to participation. Applications for the fall semester or summer must be submitted prior to **April 1**; applications for the spring semester must be submitted prior to **October 1**. Application materials and additional information are [available on the district website](#).

COLLEGE CREDIT PLUS (CCP)

HB 487 established this program as Ohio's dual credit program beginning with the 2015-2016 school year. All college-ready students who qualify for college admission in grades seven through twelve may participate. Eligible students may take a course and earn high school and college credit that appears on both their high school and college transcripts. The course must apply to a degree or professional certificate at the institution for higher education. The CCP school year runs from June through May, therefore, a student may take courses during the summer, fall, and spring sessions in that order for each school year.

Students participating in CCP will be enrolled in both high school and college and can attend the CCP class in any setting arranged by the college or university, including the Ottawa Hills high school classroom. Teachers at Ottawa Hills may be approved as adjunct instructors for the college or university and present CCP courses as part of the Ottawa Hills curriculum. These CCP courses will follow the curriculum, assessments, and timeline established by the college or university. To be eligible to participate in CCP courses, including those offered at Ottawa Hills, a student must meet the admission standards and be enrolled as a student of the participating college or university. There is no cost to the student for participation in the CCP program associated with a public college or university in the State of Ohio. There may be costs if a student drops a CCP course after the drop/add period or fails a CCP course at a public college or university.

The district will provide an informational/counseling meeting for students and parents prior to March 31st each year for students in grades six through eleven. In order to participate in CCP during any given school year, interested students must **submit an Intent to Participate form** signed by both the student and the parent no later than **April 1 each year**. The signatures on the form certify that parents and students have participated in a counseling session that outlines the requirements and obligations of the district and the student prior to enrollment in a CCP course. It is the intent of the Ottawa Hills district that interested parents and students will attend the informational/ counseling meeting scheduled in **January**.

The school district is under no obligation to modify its master schedule in order to accommodate student participation in the College Credit Plus (CCP) program. It is the responsibility of the student to manage the scheduling of his or her courses and any extracurricular or athletic activities. It is critical that students plan their entire school year in consultation with the school counselor **prior to registering for CCP courses**, being mindful of all state and local graduation requirements. Students may not drop a year-long Ottawa Hills course at the semester to take a CCP course.

A student's Ottawa Hills schedule will be modified only after presenting printed copies of his or her year-long plan and schedule of CCP courses in which he or she has registered. Ottawa Hills course load requirements will be adjusted according to the table below called "Chart of Required Course Load." Students are strongly discouraged from proposing schedules that require overlapping meeting times between Ottawa Hills courses and CCP courses. If doing so is unavoidable, then students will be held responsible for making arrangements with their CCP instructors to accommodate for any time missed from that course. Ottawa Hills teachers are not expected to accommodate students for such schedules.

Student safety is always paramount. Please note that the district is not responsible for students during times in their adjusted schedules when no Ottawa Hills or CCP course is meeting, and students entering the building during those periods must first report to the main office.

A student may not take more than 30 college credit hours of CCP courses each academic year and not more than 120 college credit hours in high school. For example, given that most CCP courses are worth three (3) college credit hours, students would likely be limited to 5 or fewer CCP courses per semester over the 8 semesters of their high school careers.

Additionally, students may not exceed full-time status. The State of Ohio calculates full-time status as follows:

1. Determine student's number of high school only units of credit;
2. Multiply that number by 3; and
3. Subtract that result from the number 30 (equivalent of a full-time college schedule).
4. That number is the total number of college credits that CCP students may earn during that academic year.

Therefore, a student taking 7 high school classes each semester at Ottawa Hills may take an additional 3 CCP courses at 3 college credit hours each and not exceed full-time status. Those 3 CCP courses can be taken one at a time during the summer, fall, and spring sessions.

Only after verification that the previous considerations have been taken will the school counselor adjust the student's course load at Ottawa Hills.

Chart of Ottawa Hills Required Course Load

| Number of CCP Courses Per Semester | Number of OH Courses Per Semester | Total Number of Courses Per Semester | Total CCP Hours Assuming 3-Credit Hour Classes and Same Schedule Both Semesters |
|------------------------------------|-----------------------------------|--------------------------------------|---|
| 5 | 0 | 5 | $2(5 \times 3) + (0 \times 3) = 30$ |
| 4 | 1 | 5 | $2(4 \times 3) + (1 \times 3) = 27$ |
| 3 | 3 | 6 | $2(3 \times 3) + (3 \times 3) = 27$ |
| 2 | 4 | 6 | $2(2 \times 3) + (4 \times 3) = 24$ |
| 1 | 6 | 7 | $2(1 \times 3) + (6 \times 3) = 24$ |
| 0 | 7 | 7 | $2(0 \times 3) + (7 \times 3) = 21$ |

It is important to note that summer coursework, which is not indicated here, is also included in the calculation to determine whether or not a student has exceeded the 30-hour-per-year limit. It is also important to note that extra study halls will not be scheduled to accommodate CCP courses that have already been completed.

All CCP courses, including courses taken during the summer, will appear on the student's high school schedule and both the high school and college transcripts. CCP courses of 3 or more college credit hours of credit will also be equal to 1 unit of high school credit. CCP courses of less than 3 college credit hours will be equal to the proportional fraction of 1 unit of high school credit. This also applies to CCP courses taught at Ottawa Hills high school.

All grades on CCP courses (including any withdrawal, withdrawal with a failing grade, or a failing grade) will appear on the student's high school transcript and will be included in the student's grade point average.

Prior to creating an Ottawa Hills schedule that includes College Credit Plus coursework, students must

- [1] present evidence of meeting the assessed readiness requirements of the college or university,
- [2] present an official correspondence of acceptance into the selected college or university,
- [3] present evidence of meeting with a college advisor, and
- [4] submit the checklist on the next page.

More information about College Credit Plus can be found at education.ohio.gov or ohiohighered.org.

State law requires that this document include two model pathways of courses offered under the CCP program through a partnering college or university. Owens Community College provides these examples on their website: the 15-hour pathway (Fall: ENG 111, SOC 101; Spring: ENG 112, PSY 101, MTH 213) and the 30-hour pathway (Fall: ENG 111, SOC 101, MTH 173, ART 101, AST 101; Spring: ENG 112, PSY 101, MTH 213, ECO 111, ENG 200).

[Link to Owens Community College CCP Page](#)

[Link to University of Toledo CCP Page](#)

Ottawa Hills Junior/Senior High School College Credit Plus Plan Checklist

Successful participation in the College Credit Plus (CCP) program through Ottawa Hills requires the following.
[1] Check off each item, [2] include signatures, and [3] submit this to the school counselor or assistant principal.

- _____ I have attended a public or private informational /counseling meeting about College Credit Plus (CCP) with the school counselor or assistant principal.
- _____ In accordance with the law, I have submitted to the high school office an *Intent to Participate* form signed by my parents prior to April 1.
- _____ I understand that Ottawa Hills is not responsible for the content provided by, instructional updates about, or the instructional support offered through CCP courses at other institutions.
- _____ I understand that CCP courses meant to replace OH English courses will not help me prepare my college essay.
- _____ I understand that I may incur the cost of any and all CCP courses from which I withdraw or do not pass, or for which I do not meet college or university prerequisites. Students are encouraged to register for Level I courses, which have limited prerequisites.
- _____ I understand that all CCP course grades will appear on both my high school and college transcripts and will affect my grade point average at both institutions.
- _____ I have presented a year-long plan to the high school counselor or assistant principal, and my plan was created according to the following:
- _____ *I created the plan prior to registering for CCP courses outside of Ottawa Hills and with advice from the school counselor or assistant principal. My plan culminates in the completion of all graduation requirements without extending beyond four academic years.*
- _____ *My plan takes into full consideration the state and district enrollment, testing, and graduation requirements including but not limited to the Ottawa Hills Required Course Load, the End-of-Course exams, and required Graduation Seals .*
- _____ *My plan takes into full consideration the 30 CCP hour yearly limit and the 120 CCP hour program limit, and I understand the summer CCP courses count as fall courses at Ottawa Hills.*
- _____ *My plan proposes a schedule of classes that I am prepared to manage, even if it includes conflicting class periods, and I understand that I am responsible for communicating with my CCP instructors about any accommodations that such conflicts might require. Additionally, I understand that Ottawa Hills is not obliged to accommodate me during times in my proposed schedule when none of my courses are in session.*
- _____ *I understand that I may not drop a year-long course at Ottawa Hills in order to enroll in a second-semester CCP course.*
- _____ *I understand that my Ottawa Hills schedule will not be adjusted prior to the presentation of my year-long plan. And, if approved, I may not deviate from my plan without consulting the school counselor or assistant principal.*
- _____ I have read all sections of the current *OHLS Curriculum Guide* pertaining to the CCP program.
- _____ I have discussed the CCP program and my year-long plan with a parent or legal guardian.

Student Name/Signature/Date

Parent or Guardian Name/Signature/Date

More information about CCP is available at education.ohio.gov or ohiohighered.org

NCAA ELIGIBILITY

Students who wish to participate in College Division I or Division II sports must be certified by the National Collegiate Athletic Association (NCAA). Eligibility requirements are subject to change; therefore, students should begin this process early in their junior year with their school counselor.

EXTRACURRICULAR ELIGIBILITY

The eligibility rule adopted by the Ottawa Hills Board of Education is more stringent than the minimum imposed by most schools. It is possible for an Ottawa Hills student to be ineligible for participation in an extracurricular activity based on board policy.

State law (HB 215) requires a minimum GPA for participation in extracurricular activities. The Ottawa Hills addition to existing criteria for eligibility requires that students must achieve a minimum GPA of 1.75 at the end of each quarter in order to be eligible to participate in extracurricular activities during the next grading period.

Nine-week quarter grades are used as the basis for eligibility for the succeeding grading period. A student must pass subjects earning a minimum of five (5) units of credit per year toward graduation. A student failing to meet this requirement will be ineligible for the entire nine-week period.

Any student who has a cumulative grade of "F" since the beginning of the nine-week quarter in any course will be subject to being declared ineligible. If, after one week, the cumulative grade is still an "F," the student will be declared ineligible until his/ her grade is passing. In the event a participant is absent due to an illness during this one-week period, an extension may be granted by the principal for the required make-up work.

DIPLOMAS

The State of Ohio has established criteria for two levels of diplomas for high school students: the *High School Diploma* and the *High School Honors Diploma*.

Criteria for Diploma

- Successfully complete high school curriculum requirements as prescribed by the school district;
- Successfully meet all current assessment requirements prescribed by the state;
- Be ineligible for Honors Diploma.

Criteria for Honors Diploma

The most current information can be provided by the high school counselor or found at education.ohio.gov (search term "honors diplomas").

OHIO COLLEGE ENTRANCE RECOMMENDATION

State universities in Ohio currently recommend that students take the following coursework to be competitive for admissions:

- 4 units of English
- 4 units of mathematics (including Algebra II or above)
- 3 units of science
- 3 units of social studies
- 2 units of foreign language
- 1 unit of visual or performing arts
- 4 additional elective units

Requirements vary among colleges and universities and their programs. Most selective colleges and universities are looking for students to meet these requirements and more, like honors level and AP courses that demonstrate a depth of study. Consulting the high school counselor and college admissions officers is of great importance.

COLLEGE ENTRANCE EXAMS

College entrance exams like the ACT and SAT are very important and should be taken with more than casual interest due to the fact that scores may become a part of the student's permanent record. Students are encouraged to mindfully participate in the multiple opportunities to take such exams. Among those opportunities are the following which are administered during the school day:

| Test | Students | Semester |
|------------|--------------|----------|
| PSAT 8/9 | 9th graders | Fall |
| PreACT | 10th graders | Fall |
| PSAT/NMSQT | 11th graders | Fall |
| ACT* | 11th graders | Spring |

* This is a state-funded test. There is no cost to the students. The district does not submit the scores derived from these school-day administrations to colleges or universities. ACT provides that opportunity. Students may contact their school counselor for additional information about these and other testing opportunities.

SUMMER SCHOOL

The purpose of summer school is to permit the make-up of subjects previously failed. Summer school credits may be earned at other accredited high schools, including those neighboring school districts, and transferred to Ottawa Hills High School. Only approved summer high school courses taken due to failure will satisfy graduation requirements in core academic areas and be included in the grade point average. More information about summer school courses, programs, and locations will be available from the school counselor office in May. Any associated costs for summer school must be assumed by the parents/guardians.

REQUIRED PROCEDURES FOR MAKING UP JUNIOR HIGH COURSE FAILURES

Failure in academic courses of English, mathematics, science, physical education, or social studies in the seventh and eighth grades necessitates that a student repeat the course. This make-up work must be completed either in a certified summer school program or through regularly scheduled summer tutoring sessions with a school-approved certified teacher. The cost of such summer make-up work must be assumed by the parents/guardians.

Students who do not complete a summer make-up program with a passing grade will be required to repeat the course during the following academic year. Repeat scheduling may cause scheduling conflicts during that and future years.

SEVENTH GRADE

Students are introduced to the Ottawa Hills Junior High setting during their sixth grade year, and parents are invited to attend an evening presentation where they have an opportunity to hear staff members discuss the curriculum and program. Then in August, all incoming seventh graders will be invited to attend special orientation programming.

Through a system of student requests, teacher recommendations, and test results, and with administrative collaboration, the school counselor will place students in their classes. In the seventh grade, there will be two levels of instruction in mathematics. There will be heterogeneous grouping in English, science, and social studies.

JUNIOR HIGH ORIENTATION

During the week prior to the beginning of the school year, the orientation program continues in the form of a meeting for all seventh grade students and any new eighth grade students entering the Ottawa Hills school system for the first time. This program acquaints the new students with their rotating schedules and other pertinent information like school norms and available support services. It ends with small group tours through the school so that the new students can locate their classrooms. Additionally, transition meetings with 6th grade students, parents, teachers, and the junior high school counselor may be held to provide a smooth transition to the junior high.

SUMMER STUDY SKILLS WORKSHOP

Seventh graders will be invited to participate in a Summer Study Skills Workshop the week prior to the start of the school year. The workshop focuses on such topics as preparing and planning for long-term projects, one-to-one technology, addressing student concerns, working in groups, and developing assertive learning strategies. Aside from those areas of emphasis, the purpose of the workshop is to help seventh graders feel more comfortable with their transition to junior high. The workshop leaders consist of the junior high counselor and one or more junior high teachers who aim to establish a level of familiarity with students so that they are more likely to seek assistance at the beginning of the school year, should they need it.

EIGHTH GRADE

During the eighth grade year, there will be two levels of instruction in mathematics. Students will be placed through a system of teacher recommendations, test scores, and grades in previous courses. There will be heterogeneous grouping in English, science, and social studies.

Students who take high school level courses in the eighth grade (e.g. Algebra I, French I, or Spanish I) or CCP courses will receive high school credit that will appear on their transcripts. The grades will be factored into the high school cumulative GPA and will apply toward fulfillment of the graduation requirements.

COURSE OFFERINGS 2024-2025 JUNIOR HIGH

REQUIRED SEVENTH GRADE COURSES

English 7
Pre-algebra (two levels offered) *or* Foundations of Algebra
General Science 7
Ancient World History 7
Health and Physical Education 7
Communicating in French and Spanish (one semester of each language)
+ Five Additional Semesters of Classes.

REQUIRED EIGHTH GRADE COURSES

English 8
Foundations of Algebra *or* Algebra I (two levels offered)
General Science 8
Early American History 8
Health and Physical Education 8
+ Six Additional Semesters of Classes

REQUIRED JUNIOR HIGH COURSES

The following courses must be taken during the seventh or eighth grades:

Career Explorations/Keyboarding (one semester, meets state financial literacy requirement)
Junior High Digital Tools (one semester, 7th grade recommended)
Junior High Art (one semester, may be taken both years)
Concert Band *or* Junior High Choir (each are full-year courses and may be taken both years)
STEM for Junior High (one semester each year)
Study Skills (at least one semester required, may be taken both years)

OTHER JUNIOR HIGH COURSES

The following courses may be recommended to or required of students based on their performance and/or teacher recommendation:

Student Support for Success (full year)
Reading (1 semester or full year, per recommendation)
French I *or* Spanish I (full year, 8th grade only, strongly recommended)

When creating student schedules, exceptions are sometimes made to best meet the needs of the student. No exception can be made without prior administrative approval.

Successful completion of high school level courses (Algebra I, Spanish I, or French I) taken in the 8th grade will each earn one unit of high school credit and will be recorded on the official high school transcript. Additionally, the grades will be factored into the cumulative high school GPA.

**Study halls for junior high students are not permitted. In special circumstances, the counselor, assistant principal, dean, and principal will meet as a team and may recommend a structured study hall for a junior high student so they may receive additional academic support.
The building principal will have final approval.**

Ottawa Hills Junior High School Curriculum Planning Sheet

REQUIRED SEVENTH GRADE COURSES

English 7
 Pre-algebra (two levels offered)
 General Science 7
 Ancient World History 7
 Health and Physical Education 7
 Communicating in French and Spanish (one semester)
 STEM (one semester)
FOUR (4) Additional Semesters of Classes.

REQUIRED EIGHTH GRADE COURSES

English 8
 Foundations of Algebra or Algebra I* (two levels offered)
 General Science 8
 Early American History 8
 Health and Physical Education 8
 STEM (one semester)
FIVE (5) Additional Semesters of Classes

REQUIRED JUNIOR HIGH COURSES *Circle 7th and/or 8th grade*

- | | | |
|------------|------------|---|
| <u>7th</u> | <u>8th</u> | Career Explorations/Keyboarding (1 semester) |
| <u>7th</u> | <u>8th</u> | Junior High Digital Tools (1 semester) |
| <u>7th</u> | <u>8th</u> | Junior High Art (1 semester, may be taken both years) |
| <u>7th</u> | <u>8th</u> | Concert Band (full year, may be taken both years) |
| <u>7th</u> | <u>8th</u> | Junior High Choir (full year, may be taken both years) |
| <u>7th</u> | <u>8th</u> | Study Skills (at least 1 semester required, in 7th grade preferred) |

OTHER JUNIOR HIGH COURSES (Consult with School Counselor) *Circle 7th and/or 8th grade*

- | | | |
|------------|------------|---|
| <u>7th</u> | <u>8th</u> | Student Support for Success (full year assigned) |
| <u>7th</u> | <u>8th</u> | Reading (1 semester or full year, per recommendation) |
| | <u>8th</u> | French I* (full year, 8th grade only) |
| | <u>8th</u> | Spanish I* (full year, 8th grade only) |

* These are credit-bearing courses that will impact the student's high school transcript and GPA.

When creating student schedules, exceptions are sometimes made to best meet the needs of the student.
 No exception can be made without prior administrative approval.

**Study halls for junior high students are not permitted. In special circumstances, the counselor, assistant principal, dean, and principal will meet as a team and may recommend a structured study hall for a junior high student so they may receive additional academic support.
 The building principal will have final approval.**

COURSE OFFERINGS 2022-2023 HIGH SCHOOL

REQUIRED HIGH SCHOOL CREDITS (24 credits)

| | | |
|---------------------------|---------------------------------|---------------------|
| English Language Arts (4) | Fine Arts (1) | Public Speaking (½) |
| Mathematics (4) | Computer Technology or STEM (1) | Personal Finance |
| Science (4) | Physical Education (½) | or Economics (½) |
| Social Studies (3) | Health (½) | Electives (5) |

REQUIRED HIGH SCHOOL COURSES (14 credits)

| | |
|--|--|
| <p>English I <i>or</i> HR English I English II <i>or</i> HR English II English III <i>or</i> AP English III English IV <i>or</i> AP English IV <i>or</i> English IV: Professional Networking & Communications</p> <p>Algebra I <i>or</i> HR Algebra I Geometry <i>or</i> HR Geometry Algebra II <i>or</i> HR Algebra II</p> <p>Biology <i>or</i> HR Biology Chemistry <i>or</i> Physical Science</p> | <p>Modern World History <i>or</i> HR Modern World History Modern American History <i>or</i> HR Modern American History United States Government and Politics <i>or</i> AP United States Government and Politics</p> <p>Physical Education Health Education</p> <p>Public Speaking</p> <p>Personal Finance <i>or</i> Economics</p> |
|--|--|

Whenever possible, the number of STUDY HALLS in a high school student's schedule will be limited to one.

ALL HIGH SCHOOL COURSES

| | |
|---|---|
| AP = Advanced Placement course; CCP = College Credit Plus course; HR = Honors course; * = Semester Course | |
| <p>ENGLISH/LANGUAGE ARTS</p> <p>English I, II, III, IV HR English I, II English IV: Professional Networking & Communication* AP English Language and Composition [AP English III] AP English Literature and Composition [AP English IV] Public Speaking* Advanced English/ARROWHEAD Advanced English/MESASA</p> | <p>MATHEMATICS</p> <p>Algebra I HR Algebra I Geometry HR Geometry Algebra II HR Algebra II Pre-calculus HR Pre-calculus College Algebra Discrete & Financial Mathematics Calculus AP Calculus AB AP Statistics</p> |

SCIENCE

Biology
 HR Biology
 AP Biology
 Zoology *
 Botany*
 Chemistry
 HR Chemistry
 AP Chemistry
 Physiology and Anatomy
 HR Physiology and Anatomy
 Physical Science
 Physics
 HR Physics
 AP Physics 1 & 2
 HR Scientific Research in *Partnership with ProMedica*
 Environmental Science

WORLD LANGUAGES

French I, II
 HR French III, IV
 AP French Language and Culture [AP French V]
 Spanish I, II
 HR Spanish III, IV
 AP Spanish Language [AP Spanish V]
 American Sign Language I, II
 HR American Sign Language III

FINE ARTS

Foundations of Art and Design*
 Drawing and Painting*
 Digital Photography I, II*
 Graphic Design I, II
 Jewelry I, II*
 Stained Glass I, II*
 Ceramics I, II*
 Sculpture*
 Studio Art*
 AP 2-D Art and Design*
 AP 3-D Art and Design*
 AP Drawing
 AP Art History

Symphonic Band*
 HR Symphonic Band*
 Concert Choir*
 HR Concert Choir*
 HR Choraliers
 Music Technology*
 Music Theory I*
 AP Music Theory*

SOCIAL STUDIES

Modern World History
 HR Modern World History
 AP European History
 Modern American History
 HR Modern American History
 AP United States History
 United States Government and Politics
 AP United States Government and Politics
 Global Issues*
 Economics*
 Sociology*
 Psychology*

HEALTH AND PHYSICAL EDUCATION

Health Education*
 Physical Education

BUSINESS EDUCATION

Accounting I, II, III*
 Entrepreneurship
 Personal Finance*
 Professional Networking & Communication*

COMPUTER TECHNOLOGY & STEM

Junior High Digital Tools*
 Video Production*
 Broadcast Journalism I, II, III*
 Multimedia Creations I, II*
 App Development I, II*
 AP Computer Science Principles
 CCP Introduction to Python Programming*
 CCP IT Fundamentals *

STEM for Junior High 7*
 STEM for Junior High 8*
 Robotics I, II*
 STEM Design Lab*
 HR STEM Research*
Also in Fine Arts
 Digital Photography I, II*
 Graphic Design I, II*
 Music Technology*

Ottawa Hills Senior High School Curriculum Planning Sheet

REQUIRED HIGH SCHOOL CREDITS (24 credits)

| | | |
|---|--|---|
| English Language Arts (4) Mathematics (4) Science (4) Social Studies (3) | Fine Arts (1) Computer Technology or STEM (1) Physical Education (½) Health (½) | Public Speaking (½) Personal Finance or Economics (½) Electives (5) |
|---|--|---|

REQUIRED HIGH SCHOOL COURSES (14 credits)

| | |
|---|---|
| English I or HR English I English II or HR English II English III or AP English III English IV or AP English IV or <i>Eng IV: Prof. Net. & Comm.</i> Algebra I or HR Algebra I Geometry or HR Geometry Algebra II or HR Algebra II Biology or HR Biology Chemistry or Physical Science | Modern World History or HR Modern World History Modern American History or HR Modern American History United States Government and Politics or AP United States Govt & Politics Physical Education Health Education Public Speaking Personal Finance or Economics |
|---|---|

| Grade | Required or Recommended* | Elective Semesters | |
|-----------|---|--|---|
| 9 | English Mathematics Biology Modern World History Physical Education | 1. 2. 3. | 4. 5. 6. |
| 10 | English Mathematics Science Modern American History Health Education | 1. 2. 3. 4. | 5. 6. 7. |
| 11 | English Mathematics Science US Govt and Politics | 1. 2. 3. 4. | 5. 6. 7. 8. |
| 12 | English Mathematics Science 2 semesters of Social Studies* 2 Semesters of Academic Electives | 1. 2. 3. 4. 5. | 6. 7. 8. 9. 10. |



Ottawa Hills
Local Schools

COURSE DESCRIPTIONS

Some of the course offerings as indicated require a fee.
Current fee amounts as approved by the Board of Education are available in the high school office.
Fees are typically approved in July for the school year starting in August.

At the time of print publication, other course changes and offerings may still have been in discussion. Please refer to the live online version of this document found on the district website for the most up-to-date information.

ART

- 1011 **Junior High Art** (1 semester, required during either 7th or 8th grades)
1012 8th grade if also taken in 7th grade

Building on skills gained at the elementary level, the Junior High Arts program helps students further develop their technical skills in various media including drawing, painting, printmaking, and ceramics. Throughout the semester, students will also be exposed to a diverse range of historic and contemporary art forms from a variety of cultures. Projects may change to accommodate students that take art twice during junior high.

[\\$ There is a fee associated with this course.](#)

- 1031 **Foundations of Art and Design** (1/2 credit, 1 semester, 9th - 12th grades)

Foundations of Art and Design is a fundamentals course that focuses on learning how the elements and principles of art are used to guide design and strengthen communication of an idea in both the two and three-dimensional realms. Abstract paper collage, observational drawing, expressive painting, perspective, sculptural assemblage and modeling – an array of topics will be addressed to foster creativity and develop skills.

Foundations of Art and Design is a prerequisite for students wishing to take Drawing and Painting, and Sculpture. It is a preferred prerequisite for Graphic Design, Jewelry, Ceramics, Stained Glass, Studio Art, and Advanced Placement Studio Art.

[\\$ There is a fee associated with this course.](#)

- 1032 **Drawing and Painting** (1/2 credit, 1 semester, 9th - 12th grades)

Drawing and Painting focuses on strengthening students' technical and observational skills across a wide variety of media. Heavy emphasis will be placed on learning color theory and how light and shadow create form. Both traditional and experimental approaches will be explored. Students interested in Studio Art or AP 2-D Art and Design are required to take either Foundations of Art and Design or Drawing and Painting.

[\\$ There is a fee associated with this course.](#)

Prerequisite: Foundations of Art and Design

- 1033 **Digital Photography I** (1/2 credit, 1 semester, 9th - 12th grades)

Photography as a fine art using digital cameras will be explored in this course. Students will become familiar with the operation and features of digital cameras while investigating composition, point of view, black and white images, color balance, and lighting. Photographic history, persuasion photography, and personal narrative are topics for discussion and content for projects. Students are encouraged to supply their own digital camera as there are only a small number of cameras that can be loaned out for projects. (This course is also available for STEM credit).

[\\$ There is a fee associated with this course.](#)

1041 **Digital Photography II** (1/2 credit, 1 semester, 10th - 12th grades)

Digital Photography II is open to students who have successfully completed Digital Photography I. Special techniques will be explored which include advanced editing, photo collage, retouching, large format printing, 3-dimensional constructions, low-light imaging, and studio lighting. This course will also place a greater emphasis on the manual operations of a camera and how they can be used to inform and enhance one's photography. Students are encouraged to supply their own DSLR, as there are only a small number that can be loaned out for projects. (This course is also available for STEM credit).

[\\$ There is a fee associated with this course.](#)

Prerequisite: Digital Photography I

1034 **Jewelry I** (1/2 credit, 1 semester, 11th - 12th grades)

This is a course for students interested in learning the fundamental techniques of jewelry making. Participants will create wearable art through a variety of fabrication methods including riveting, soldering, laser cutting, lost wax casting, and wire wrapping. Projects will be constructed using nickel, brass, copper, sterling silver, and other non-traditional materials. Students interested in producing 3-dimensional work in Studio Art or AP Studio Art: 3-D Design are required to take either Ceramics I or Jewelry I.

[\\$ There is a fee associated with this course.](#)

Preferred Prerequisite : Foundations of Art and Design

1043 **Jewelry II** (1/2 credit, 1 semester, 11th - 12th grades)

Advanced jewelry students will further explore the art of adornment by investigating the work of contemporary metalsmiths. Students will also have the opportunity to enamel, cast molten metal into a planned design, bezel set a cabochon stone, and inlay stone into a multi-layered artwork.

[\\$ There is a fee associated with this course.](#)

Prerequisite: Jewelry I

1035 **Stained Glass I** (1/2 credit, 1 semester, 10th - 12th grades)

This course introduces students to the medieval art of glass working. Students will explore the artwork of stained glass master artists, including Frank Lloyd Wright and Louis Comfort Tiffany, while learning cutting, fitting, and assembly techniques to aid in the creation of two stained glass pieces and one glass tile mosaic.

[\\$ There is a fee associated with this course.](#)

Preferred Prerequisite : Foundations of Art and Design

1044 **Stained Glass II** (1/2 credit, 1 semester, 10th - 12th grades)

Individuals will investigate a famous work of art and create a design influenced by their research using advanced stained glass techniques. Students will also study the artwork of Louis Comfort Tiffany to aid in the creation of a three-dimensional lampshade.

[\\$ There is a fee associated with this course.](#)

Prerequisite: Stained Glass I

1036 **Ceramics I** (1/2 credit, 1 semester, 9th - 12th grades)

Ceramics introduces students to the essential techniques of the media including slab and coil construction, wheel-thrown pottery, and decorative applications. Other topics to be addressed include the characteristics of various clay bodies, different glazing techniques, and the firing process. Students will also learn how imagery, design, and culture affect purpose and meaning in works of art. Students interested in producing 3-dimensional work in Studio Art or AP Studio Art: 3-D Design are required to take either Ceramics I or Jewelry I.

[\\$ There is a fee associated with this course.](#)

1037 **Ceramics II** (1/2 credit, 1 semester, 10th - 12th grades)

Advanced ceramics students will be challenged to grow through research, experimentation, and exploring individual interests. Topics to be addressed include clay sculpture, slip-casting, functional vessels, and refining one's skills on the potter's wheel. Additional emphasis will be placed on new design techniques, construction methods, and surface decoration.

[\\$ There is a fee associated with this course.](#)

Prerequisite: Ceramics I

1038 **Graphic Design I** (1/2 credit, 1 semester, 9th - 12th grades)

In Graphic Design I students will gain the skills, vocabulary and background knowledge necessary to create thoughtful and informative graphics. Students will develop a better understanding of their personal aesthetic and a working familiarity with the Adobe programs used most frequently in the field of graphic design: Photoshop, Illustrator, and InDesign.

[\\$ There is a fee associated with this course.](#)

Preferred Prerequisite: Foundations of Art and Design

1039 **Graphic Design II** (1/2 credit, 1 semester, 9th - 12th grades)

Graphic Design II is recommended for students considering pursuing Graphic Design at an advanced level. Students will continue to explore and use the Adobe Programs InDesign, Photoshop and Illustrator in the creation of a portfolio appropriate for college applications. In addition to cultivating a greater understanding of the practical skills necessary to create dynamic visuals, the theoretical knowledge of design will be discussed as we examine the work and texts of preeminent graphic designers.

[\\$ There is a fee associated with this course.](#)

Preferred Prerequisite: Graphic Design I

1051 **Studio Art** (1/2 credit, 1 semester, 10th - 12th grades)

1052 Second Semester

Studio Art is offered to highly motivated sophomores, juniors, and seniors who are seeking an intense, challenging, and advanced art experience. The course content and sequence will include advanced core studies in drawing and design and individualized investigations determined by each student's interests and strengths. The goals of Studio Art include developing a portfolio for college applications and to begin to develop an AP portfolio for senior year.

[\\$ There is a fee associated with this course.](#)

Prerequisite : Teacher recommendation, Foundations of Art and Design

1045 **Sculpture** (1/2 credit, 1 semester, 9th - 12th grades)

This course will introduce students to the various methods of sculpture construction using additive, subtractive, assemblage, and installation techniques. A range of tools and materials will be utilized, including but not limited to clay, plaster, wire, and found objects. Emphasis will be placed on creative problem solving, visualization of concepts, and achieving a high level of craftsmanship.

[\\$ There is a fee associated with this course.](#)

Prerequisite: Foundations of Art and Design

1065 **AP 2-D Art and Design** (1/2 credit, 1 semester, 12th grade)
1066 Second Semester

AP Studio Art is offered to highly motivated seniors who are seeking an intense, challenging, and advanced art experience while developing a 2-D AP portfolio. A comprehensive portfolio demonstrating inquiry-guided investigation through practice, experimentation, and revision will be submitted to The College Board at the end of the year for scoring. The cost to submit an AP Studio Art 2-D Design portfolio is currently \$98.

[\\$ There is a fee associated with this course.](#)

Prerequisite : Teacher recommendation, Foundations of Art and Design, or Drawing and Painting

1067 **AP 3-D Art and Design** (1/2 credit, 1 semester, 12th grade)
1068 Second Semester

AP Studio Art is offered to highly motivated seniors who are seeking an intense, challenging, and advanced art experience while developing a 3-D AP portfolio. A comprehensive portfolio demonstrating inquiry-guided investigation through practice, experimentation, and revision will be submitted to The College Board at the end of the year for scoring. The cost to submit an AP Studio Art 3-D Design portfolio is currently \$98.

[\\$ There is a fee associated with this course.](#)

Prerequisite: Teacher recommendation, Ceramics I or Jewelry I

1060 **AP Drawing** (1 credit, full year, 12th grade)
1061 Second Semester

AP Studio Art is offered to highly motivated seniors who are seeking an intense, challenging, and advanced art experience while developing an AP Drawing portfolio. A comprehensive portfolio demonstrating inquiry-guided investigation through practice, experimentation, and revision will be submitted to The College Board at the end of the year for scoring. The cost to submit an AP Drawing portfolio is currently \$98.

[\\$ There is a fee associated with this course.](#)

Prerequisite: Teacher recommendation, Foundations of Art and Design, or Drawing and Painting

1070 **AP Art History** (1 credit, full year, 10th - 12th grades)
1071 Second Semester

The AP Art History course emphasizes a deep conceptual understanding of art historical concepts and traditions. Through the examination of 250 works of art that range from the prehistoric to the present, students will develop the essential skills of visual and contextual analysis. Through readings, discussions and research students will expand their knowledge of history, geography, politics, religion, languages, and literature, as they explore the story of people as told through the art they created. Students who plan to take the Advanced Placement examination in Art History will pay the AP exam fee (currently \$98).

[\\$ There is a fee associated with this course.](#)

BUSINESS

0825 **Career Explorations/Keyboarding** (1 semester, required for all Junior High students)

This course will offer opportunities for each student to access career information, assess personal interests and aptitudes, utilize goal-setting strategies, and make decisions involving his/her academic and career future. Students are also introduced to basic financial literacy concepts associated with being a responsible consumer, as required by the State of Ohio. Successful use of technology and strong keyboarding skills are also essential elements of career development. Students will learn proper keyboarding techniques.

0890 **Entrepreneurship** (1/2 credit, 1 semester, 9th - 12th grades)

Do you have a desire to own your own business? Ignite your entrepreneurial spirit and turn your passion into a plan. The primary goal of this course is to provide an understanding of entrepreneurship and the entrepreneurial process. Topics covered will include characteristics of an entrepreneur, legal issues, marketing, accounting, management, and business plans. Guest speakers will share their entrepreneurial experiences.

0851 **Accounting I** (1/2 credit, 1 semester, 10th - 12th grades)

Accounting is the language of business. It is an essential aspect of every business institution and organization. As future workers, small business owners, and entrepreneurs, students who understand basic accounting principles will more knowledgeably manage their companies' financial resources. This course covers the basic concepts of double-entry accounting and fundamental practices of maintaining journals, ledgers, and preparing financial statements. It applies this information for a service business organized as a proprietorship. Automated Accounting provides introductory exposure to the accounting cycle and real-world accounting software.
\$ [There is a fee associated with this course.](#)

0852 **Accounting II** (1/2 credit, 1 semester, 10th - 12th grades)

Accounting is the language of business. This course provides a comprehensive review of the principles and practices learned in Accounting I. It applies this information to a merchandising business organized as a corporation and fosters further development of the student's capacity to make decisions based on interpretation of financial data. An Automated Accounting simulation will be completed.
\$ [There is a fee associated with this course.](#)
Prerequisite: Accounting I

0853 **Accounting III** (1/2 credit, 1 semester, 10th - 12th grades)

Accounting is the language of business. A continuation of Accounting II, this course explores the accounting adjustments and valuation of a corporate merchandising business. Topics include, evaluating options when acquiring capital, procedures for acquiring and expensing the cost of plant assets and intangible assets, inventory accounting, accruals and deferrals. An advanced Automated Accounting simulation will be completed.
\$ [There is a fee associated with this course.](#)
Prerequisites: Accounting I and II

0844 **Personal Finance** (1/2 credit, 1 semester, 10th - 12th grades)

This course is designed to empower students to make sound financial decisions for life. Students will learn how to: save money and build wealth, negotiate great deals, establish a budget that works, identify and understand different types of investments, set and achieve financial and career goals, describe the many dangers of debt, recognize the advantages of renting and owning a home, understand different types of insurance, and become an aware consumer. This course satisfies the Ohio financial literacy graduation requirement of the Ohio Core.

[\\$ There is a fee associated with this course.](#)

0870 **Professional Networking & Communication** (1 credit, 12th grade)

Professional Networking & Communication is a semester course providing the eligible senior with authentic, real-world career exploration opportunities through OH partner businesses and organizations. Facilitated by both the Business and English departments, this course is project-based learning personalized to each student, incorporating business education and technical communication skills for early workplace awareness and success. Students will make on-site visits to partnering organizations to explore career paths, industry issues, and post-secondary education and growth possibilities. The student must have means of transportation to partnering organizations. A work of nonfiction will be required reading and announced at the beginning of the course. One full credit may be earned in EITHER Business or English.

COMPUTER TECHNOLOGY & STEM

0720 **Junior High Digital Tools** (1 semester, for Junior High students by recommendation)

The ability to access and use digital tools and resources are essential skills for all students to be productive in our technological environment. Students will demonstrate the understanding and application of digital tools for accessing, creating, evaluating, applying, and communicating ideas and information in line with the state's computer science standards. The course will also focus on developing basic computational thinking processes. Using various software packages, students will learn productivity skills (e.g. the use of spreadsheets), fundamentals of web development, and computer programming. In addition, cyber security, Internet fundamentals, Internet safety, and the acceptable use of technology at Ottawa Hills will be taught.

0732 **Video Production** (1/2 credit, 1 semester, 9th - 12th grades)

During this course, students will create and share their own digital video content using original footage shot with a camera, and edited with the video editing software Adobe Premiere. Students will learn how to capture a story in a linear or nonlinear way; learn the basics of camera shots; and how to use light kits, camera, tripod, and microphone to create the audio and video tracks for their movies. They will create various projects such as a video of various camera shots, commercials, news stories, stories, interviews, and more. Group projects are often part of the course. Having a mobile phone with video or digital video camera is recommended, but not required. Generally students will use their phones for most recordings. Time must be spent outside of class to plan for and acquire raw footage for projects.

[\\$ There is a fee associated with this course.](#)

0740 **Broadcast Journalism I** (1/2 credit, 1 semester, 10th - 12th grades)
0745 Second semester (Students must successfully complete semester 1)

Students enrolled in Broadcast Journalism I will learn how to gather and analyze information, write news stories and features for broadcast and social media distribution. This hands-on class will allow students to work on real-world projects for the OH News, the school's news show. Students will create stories, shows and commercials; conduct and videotape interviews; master the basics of good camera, sound, and lighting techniques; and learn valuable digital video editing skills. Students may also assist with sound, editing, lighting, and anchor positions. Time must be spent outside of class to plan for and acquire raw footage for projects. Each student must provide his/her own SDHC Card (Class 6 or above) or use their google cloud account to maintain and store a portfolio of their work.

[\\$ There is a fee associated with this course.](#)

Prerequisite: Video Production or permission of the instructor.

0750 **Broadcast Journalism II** (1/2 credit, 1 semester, 10th - 12th grades)
0755 Second semester

Students enrolled in Broadcast Journalism II will continue to produce the OH News. In addition to creating stories and commercials, students will begin to hold leadership positions in the classroom that will assist the team with sound, editing, lighting, and anchor positions. Time must be spent outside of class to plan for and acquire raw footage for projects. Each student must provide his/her own SDHC Card (Class 6 or above) or use their google cloud account to maintain and store a portfolio of their work.

[\\$ There is a fee associated with this course.](#)

Prerequisite: Broadcast Journalism I or permission of the instructor.

0760 **Broadcast Journalism III** (1/2 credit, 1 semester, 10th - 12th grades)
0765 Second semester

Students in Broadcast Journalism III will hold leadership positions for the OH News. Sample positions include producer, director, head anchor, etc. Students will also continue to create stories and commercials for the OH News. Each student must provide his/her own SDHC Card (Class 6 or above) or use their google cloud account to maintain and store a portfolio of their work.

[\\$ There is a fee associated with this course.](#)

Prerequisite: Broadcast Journalism II or permission of the instructor.

0736 **Multimedia Creations I** (1/2 credit, 1 semester, 9th - 12th grades)

This semester course allows the student to extend his or her use of the computer to create multimedia projects. Students will make attractive, professional-looking projects that come alive with graphics, sound, and animation. Projects created in this course would commonly be seen on television, the World Wide Web, in games and in mobile apps. Projects may include motion graphics, digital photo album, original audio creation, stop motion animation, and more. In addition to the Adobe production suite the computer languages P5 javascript and Swift will be explored in this class.

[\\$ There is a fee associated with this course.](#)

0737 **Multimedia Creations II** (1/2 credit, 1 semester, 9th - 12 grades)

This course is a continuation of Multimedia Creations I. Students will continue to advance their skills in a computer lab setting. Multimedia Creations II students will create advanced motion graphics, animation, and original music. Each student will have the opportunity to concentrate on individual areas of interest. In addition to the Adobe production suite the computer languages P5 javascript and Swift will be explored in this class.

[\\$ There is a fee associated with this course.](#)

Prerequisite: Multimedia Creations I

0785 **App Development I** (formerly Web Page Development I) (1/2 credit, 1 semester, 9th - 12th grades)

In this semester course, students use their school laptops to build responsive, progressive web apps and responsive interactive websites. To do so, they will explore the use of various web languages and software packages to develop content and design graphic features, including basic animation. Additionally, students will begin to learn the relationship between the end user and the cloud, basic server knowledge and how information moves across the internet. The goal is for students to create attractive, professional looking apps and to foster an understanding of how the internet is becoming the computer. Time will be spent learning about appropriate and effective design, formatting, and layout of a web app. Students will acquire the understanding and application of programming tools for accessing, creating, evaluating, applying and communicating ideas and information, in line with the state's computer science standards. In addition, the course will focus on developing basic computational thinking processes. Some of the computer languages explored in this course are HTML, CSS, Javascript, Swift, Java and Python. AP Computer Science Principles is a good companion to this course.

[\\$ There is a fee associated with this course.](#)

0786 **App Development II** (formerly Web Page Development II) (1/2 credit, 1 semester, 9th - 12th grades)

In this continuation of App Development I, students will advance their app development skills in a collaborative setting. App Development II students will expand their knowledge of web languages and may explore server-based languages. They might also explore setting up a basic web server. Students will acquire the understanding and application of programming tools for accessing, creating, evaluating, applying and communicating ideas and information, in line with the state's computer science standards. In addition, the course will focus on developing basic computational thinking processes. Some of the computer languages explored in this course are HTML, CSS, Javascript, Swift, Java and Python. AP Computer Science Principles is a good companion to this course.

Prerequisite: App Development I or permission from the instructor.

7921 **AP Computer Science Principles** (1 credit, full year, 9th - 12th grades)

This course is designed to introduce students to the central ideas of computer science, to develop computational thinking skills, and to apply computer science principles across the STEM fields and to our daily lives. This course builds a solid understanding of computing and computational thinking practices and engages students in the creative aspects of the computer science field. There is a focus on the use of technology as a means for solving computational problems, building and understanding algorithms, and exploring creative endeavors with emphasis on people and society, not just on machines and systems. Students will creatively address real-world issues and concerns while using the same processes and tools as artists, writers, computer scientists, and engineers to bring ideas to life. Students will explore the relevance to and impact of computer science on the world. Students enrolled in this course are expected to take the AP exam. The current AP exam fee is \$98.

1311 **STEM for Junior High – 7th grade** (1 semester)

This course consists of a project-based curriculum designed to challenge and engage the natural curiosity and imagination of junior high students. Students acquire knowledge and skills in problem solving, teamwork and innovation. Students will be introduced to and use the design process to solve problems and understand the influence that creative and innovative design has on our lives. Students will learn to design in a CAD software and have the opportunity to print their designs on a 3d printer. Students are also given the opportunity to combine mechanisms with input and output devices to automate the mechanisms. Construction and programming skills are layered, and projects and the problem provide students the opportunity to connect their learning throughout the lessons in the unit. Students take on the role of interns, and work in teams to identify design requirements and create prototypes to meet the needs of clients. They also explore different aspects of automation and robotics, and experience how solving real-life problems involves the teamwork of mechanical engineers, software developers, and electrical engineers.

[\\$ There is a fee associated with this course.](#)

1321 **STEM for Junior High – 8th grade** (1 semester)

This course continues the project-based curriculum designed to challenge and engage the natural curiosity and imagination of junior high students. Students will become engineers as they design, prototype, and test models to learn about the science of flight and what it takes to travel and live in space. They solve real-work aviation and space challenges. Students will also explore the science of electricity, the behavior and parts of atoms, and acquire knowledge and skills in basic circuitry design as they explore the impact of electricity on our lives.

[\\$ There is a fee associated with this course.](#)

1331 **Robotics I** (1/2 credit, 1 semester, 9th - 12th grades)

This course introduces students to the field of robotics. Students learn the mechanical design and construction of robots through hands-on activities. Students will build and program a robot, then use it to conduct experiments demonstrating physics and mechanical properties, adding sensors and mechanisms. The course ends with a capstone project featuring competitive instructional strategies. *Students who would like a full year of robotics instruction are encouraged to register for Robotics II in the spring after taking this course in the fall. Doing so allows for more sustained work on course projects.*

[\\$ There is a fee associated with this course.](#)

Prerequisite: Algebra I

1332 **Robotics II** (1/2 credit, 1 semester, 9th - 12th grades)

Robotics II continues with the strategies learned in Robotics I with a deeper understanding of engineering topics, and building more advanced robots. Students will use mechanical properties, including programming and advanced mechanics as they complete the final capstone project.

[\\$ There is a fee associated with this course.](#)

Prerequisite: Robotics I

1343 **STEM Design Lab I** (1/2 credit, 1 semester, 9th - 12th grades)

This course provides an overview and introduction to the tools and processes used in the fields of Science, Technology, Engineering, and Mathematics (STEM). Students will investigate real-life problems and how to solve them. Students will explore 3-D modeling using a CAD software program and learn how to use a 3D printer and laser cutter. After learning various tools used in STEM, students will design, complete, and present a capstone project. *Students who would like a full year of STEM design instruction are encouraged to register for STEM Design Lab II in the spring after taking this course in the fall. Doing so allows for more sustained work on course projects.*

[\\$ There is a fee associated with this course.](#)

Prerequisite: Algebra I

1344 **STEM Design Lab II** (1/2 credit, 1 semester, 9th - 12th grades)

This course continues the learning that began in STEM Design Lab I. Students who take this may choose to add to their capstone project from STEM Design Lab I or create a new capstone project. Students interested in taking a full year of STEM Design Lab to complete a large capstone project should register for both STEM Design Lab I and II.

[\\$ There is a fee associated with this course.](#)

Prerequisite: STEM Design Lab I

1346 **HR STEM Research** (1/2 credit, 1 semester, 10th - 12th grades)

Students enrolled in this course will become immersed in the world of STEM research through a collaboration with the Engineering Technology Department in the College of Engineering at the University of Toledo (UT). As such, the content is subject to some change dependent upon student interest at both institutions. Generally, students will read and present peer reviewed journal literature, focusing on identifying the questions, ideas, hypotheses, procedures, and conclusions therein. Students will also complete several elements of the design process for investigations of their own and communicate their results in formal presentations. A major component of the course involves the students participating in authentic research and application studies through the collaboration with UT. This includes time with engineers in our classroom at Ottawa Hills as well as time in the field or university laboratory setting.

Prerequisite: Counselor and Teacher recommendation

1348 **CCP – IT Fundamentals (IST 101)** (1 semester, 9th - 12th grades)

This College Credit Plus (CCP) semester course is a dual credit course taken for 1 unit of high school credit and 3 hours of transcribed college credit through Owens Community College.

Students must apply to and be accepted at Owens Community College prior to registering for this course.

An introductory course for students who are interested in the computer field and programs of study in IST. This course explores foundational concepts related to computer math skills, computer hardware and software, networking, databases, computer programming, information systems, and data security. This course introduces students to real-world tasks associated with various IT fields. Students will gain a broad understanding of career and educational options that will help define a program of study choice. Student grades will be determined by their performance on the TestOUT IT Fundamentals Pro certification test taken at the end of the course. Students will be prepared to take the CompTIA IT Fundamentals (FC0-U61) certification.

\$ There may be a fee associated with this course.

Prerequisite: Determined by Owens Community College

1355 **CCP – Introduction to Python Programming (IST 113)** (1 semester, 9th - 12th grades) [see note below]

This College Credit Plus (CCP) semester course is a dual credit course taken for 1 unit of high school credit and 3 hours of transcribed college credit through Owens Community College.

Students must apply to and be accepted at Owens Community College prior to registering for this course.

This course introduces the Python language using key computer programming concepts and techniques. Students are introduced to core programming concepts like data structures, conditionals, loops, variables, and functions. This course utilizes the integrated development environment (IDE) of IDLE for writing and running Python and gets students coding quickly. Students are encouraged to explore PyCharm and Eclipse IDEs as well. It also provides hands-on coding exercises employing commonly used data structures, writing custom functions, and reading and writing to files. Python is a language which has a simple to learn syntax, and a powerful set of available libraries. It is an interpreted language, containing a rich programming environment which includes a robust debugger and profiler. While it is easy for beginning coders to learn, it is widely used in many scientific areas for data exploration and in data science.

\$ There may be a fee associated with this course.

Prerequisite: Determined by Owens Community College

The following courses may also be taken by high school students toward fulfilling the one unit of computer technology required for graduation:

Graphic Design; Digital Photography I or II; or Music Technology

ENGLISH LANGUAGE ARTS

NOTES REGARDING ENGLISH COURSES

Reading Selections

Students and parents are advised that in our effort to provide a rich and diverse literary experience that promotes the development of well-versed and skilled critical thinkers, some reading selections made by faculty members of high school courses may include content or language considered controversial to some. Such content is expected to adhere to Board Policies regarding *Academic Freedom* (policy 2106) and *Controversial Issues* (policy 2240) and to be consistent with College Board guidelines. Inquiries should be addressed to the teacher of each course in advance so that alternatives may be discussed.

Honors Courses

Candidates for English honors courses are considered based on the following criteria: ability/achievement, attitude/work ethic, and growth/improvement. Students who are interested in registering for English honors courses must obtain a recommendation from their current English teacher. Applicants for HR English I must have recommendations from their 7th and 8th grade English teachers.

0111 English 7

Students learn the tenets of critical thinking and apply them to their own reading and writing of informational and literary texts. They learn to analyze language at several levels, from the single word to the novel. That analysis is then used to make comparisons between written works and an established standard for that genre, works of similar or different genres, or works from other media. Such comparisons lead into informed evaluations about what they read or view. Students write at every stage of this process, producing a wide range of spontaneous and researched works. Specific forms that are analyzed include the word, the sentence, the essay, and the narrative. Genre studies include short fiction, fantasy, historical fiction, and drama. As an integral part of this work, students expand their English vocabulary and understanding of both literary and language terms as well as develop stronger listening and speaking skills. Students will be required to purchase or otherwise acquire supplemental reading materials.

[\\$ There is a fee associated with this course.](#)

0121 English 8

Following core standards, students in eighth grade English will learn to read, analyze, and respond to texts at a deeper level. A variety of pieces will be used, including short stories, poems, and novels. Informational text will be emphasized through non-fiction articles and full-length texts. In writing, students will use the writing process to produce writing in a variety of genres, including narrative, argument, informative, and explanatory. Students will produce spontaneous writing, as well as researched pieces that have followed the writing process. Through both reading and writing, students will deepen their vocabulary, language, and speaking and listening skills. Students will be required to read independently outside of class. Students will be required to purchase or otherwise acquire supplemental reading materials.

[\\$ There is a fee associated with this course.](#)

0131 **English I** (1 credit, full year)

Following core standards, this course will focus on critically exploring various literary genres from multiple time periods (both fiction and nonfiction), grammar/usage review and reinforcement, vocabulary work, and extensive work in writing skills (Argument, Narration, and Informative/Explanatory essays) using MLA format and the use of in-text citations. Students will be required to purchase or otherwise acquire supplemental reading materials.
\$ There is a fee associated with this course.

0130 **HR English I** (1 credit, full year)

This course features an extended scope of literature from multiple time periods, both classical and contemporary; more mature reactions to literature (both fiction and nonfiction) through Literary Analysis, Argumentation, Narration, and Informative/Explanatory essays; extensive work in writing skills and vocabulary (Latin and Greek roots); and grammar and usage review. Students should have advanced critical thinking and writing skills with knowledge of MLA format and use of citations. Students will be required to purchase or otherwise acquire supplemental reading materials.
\$ There is a fee associated with this course.
Prerequisite: Teacher recommendation (which may include standardized test scores) and exceptional writing skills.

0141 **English II** (1 credit, full year)

This course is a survey of world literature, including selections from antiquity to the present. The focus for analysis and discussion will be universal human questions and themes. Study and discussion will include the cultural milieu in which the works were created - such as the religion, philosophy, economics, and social issues of race and gender of that period - as well as the universal concerns shared by all cultures. Diligent active reading strategies and ongoing literary analysis will be introduced and reinforced. Writing instruction will focus on exposition, persuasion, and documentation. Grammar, spelling, and punctuation will be addressed in an individualized manner and in the context of writing assignments. New vocabulary will be introduced through the study of classic roots in preparation for the SAT and ACT tests. All students will take the Ohio ELA II End-of-Course Exam in the spring of the sophomore year. Students are required to purchase six to seven supplemental paperback books. Students may purchase the books through the school or on their own. Students must be able to write in the books.
\$ There is a fee associated with this course.

0140 **HR English II** (1 credit, full year)

This course is a survey of world literature, including selections from antiquity to the present. The focus for analysis and discussion will be universal human questions and themes. Study and discussion will include the cultural milieu in which the works were created - such as the religion, philosophy, economics, and social issues of race and gender of that period - as well as the universal concerns shared by all cultures. Diligent active reading strategies and ongoing literary analysis will be introduced and reinforced. Writing instruction will focus on exposition, persuasion, and documentation. Grammar, spelling, and punctuation will be addressed in an individualized manner and in the context of writing assignments. New vocabulary will be introduced through the study of classic roots in preparation for the SAT and ACT tests. All students will take the Ohio Graduation Test in the spring of the sophomore year. HR English II will differ from English II in the selection of material and the depth of analysis and response. The honors course is designed to prepare students for Advanced Placement English in their junior year. Students are required to purchase five to six supplemental paperback books. Students may purchase the books through the school or on their own. Students must be able to write in the books.
\$ There is a fee associated with this course.

0151 **English III** (1 credit, full year)

This course presents fundamental theories and techniques of rhetoric and argumentation as they occur in various communication contexts, including literature, commercial, interpersonal, public and mass media. A series of writing assignments will focus on the skills of critical thinking, persuasion, and the sophistication of argumentative essay skills. Essays of advanced composition shall be evaluated for their quality in both critical thinking and composition. Theoretical models of critical thinking and communication studies shall be applied to rhetoric, examining message production, analyzing messages, and exploring the fields of electronic and print media, advertising (product campaign), political campaign strategy, and ideological campaign techniques for mass communication to consider the political, cultural and social impact of persuasion. Students explore ethical considerations of persuasive communication, learn about types of reasoning, and identify fallacious arguments as they occur in persuasion. If students would like to purchase books on their own, a complete list of required books will be given on the first day of school.

[\\$ There is a fee associated with this course.](#)

0150 **AP English Language and Composition [AP English III]** (1 credit, full year)

The AP English Language and Composition course aligns to a college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods. Students who plan to take the Advanced Placement examination in English will pay the AP test fee (currently \$98).

[\\$ There is a fee associated with this course.](#)

0161 **English IV** (1 credit, full year)

English IV is a continuation of skill-building with rhetoric, literature, presentation, writing, and vocabulary acquisition. Special emphasis is given to reinforcing and deepening skills in narrative and personal writing. Students will begin the course with an in-depth guide into college essay writing and will continue practicing their skills in all writing modes, including narrative, persuasive, and literary analysis throughout the year. Beyond that, a student-centered approach asks students to choose the literature they want to read in order to answer the questions they have about the world around them. They help to build the course through extensive literary research into voices of “the other.” Canonical pieces of literature will be offered along with non-fiction to analyze thematic and contemporary application of the works. Students will be asked to purchase five paperback books that they are able to annotate.

0160 **AP English Literature and Composition [AP English IV]** (1 credit)

The senior Advanced Placement English course is designed to offer a student in high school a literature/ composition course comparable to one the student would encounter as a freshman in college. Classic literature from a variety of time periods and rhetorical contexts will be analyzed with an emphasis on structure. Also included is an emphasis on reinforcing and deepening skills in narrative and personal writing and concentrated preparation for the Advanced Placement English Literature and Composition Test. Students who plan to take senior Advanced Placement English must be recommended by the junior Advanced Placement English teacher and are expected to take the Advanced Placement exam. This course includes a required summer reading that helps students to develop an understanding of narrative writing techniques and their effects on a given audience. Students who plan to take the Advanced Placement examination in English Literature and Composition will pay the AP test fee (currently \$98).

Prerequisite: Recommended AP English Language and Composition [AP English III]

0170 **English IV: Professional Networking & Communication** (1 credit, 12th grade)

English IV: Professional Networking & Communication is an innovative co-taught course that allows the eligible senior to earn a full credit of English while exploring the language of business as a universal literacy. Students will engage in the study of communication within and about the business world, which will address all of the anchor standards within the *Ohio Learning Standards in English Language Arts*. Readings will include works of fiction and nonfiction that illustrate various business concepts, as well as communications from and within actual businesses. Writing assignments will span genres from those most prevalent in professional settings to works of self-reflection, and they will include those associated with the qualitative study of an organization, personal narrative writing and media profiles, cover letters, and interviewing. Students will establish a connection with an OH partner business and organization to provide an authentic context for their work and the subject for a culminating presentation to their peers. Students must have a means of transportation to partnering organizations. (Alternatively, this course may be taken for one full credit in Business).

0133 **Public Speaking** (1/2 credit, 1 semester, 9th - 12th grades)

Public Speaking is a performance-based course. The objectives of this course are to familiarize students with basic principles of effective and ethical speaking, to give them some experience to enact those principles through assignments and activities and to instill in them a critical appreciation for its importance in our lives. During the course of the semester, students will hone their skills by researching, writing, performing, and evaluating a series of public speeches. In doing so, it is expected that they will become more comfortable speaking in front of an audience, more knowledgeable about the craft of oratory and more skillful public speakers than they were at the beginning of the semester. Through their extensive experience as an audience member, they will also develop the critical skills necessary to evaluate their own work and the work of their classmates.

0153 **Advanced English/ARROWHEAD** (1 credit, full year, 11th - 12th grades)

The ARROWHEAD staff is responsible for the planning and production of the school newspaper. The course is open to juniors and seniors (contingent upon advisor recommendation). Students selected for the staff will be expected to enroll in the class for two years and meet all deadlines and responsibilities. Not accepting responsibilities in meeting deadlines and/or lack of cooperation with other staff members will result in dismissal from the course. Considerable time and work outside of class will be required.

Prerequisite: Enrollment by permission of the instructor, and it is recommended that students take the Graphic Design course.

0154 **Advanced English/MESASA** (1 credit, full year, 11th - 12th grades)

This two-year course is for MESASA staff members who will plan and produce the high school yearbook. They will also sell advertisement space to offset the cost of doing so. Enrollment is open to juniors and seniors (contingent upon advisor recommendation). Applications for the staff are completed during the sophomore year, and students are expected to enroll for two years. Students are required to take necessary photographs and/or conduct interviews for layouts outside of class time. All work is computer based and must be completed by the designated deadlines.

Prerequisite: Enrollment by permission of the instructor, and it is recommended that students take the Graphic Design course.

0155 **Introduction to Creative Writing** (1/2 credit, 1 semester, 10 - 12th grades)

This course is designed to introduce students to writing as an art. Students will explore writing in various genres including, but not limited to, poetry, narrative, drama, short story, and others. In addition to creating a portfolio of personal writing, students will learn to evaluate, edit, and perform various other publishing functions. Final projects will include a personal portfolio. Supplemental reading material purchase may be recommended.

0211 **Study Skills** (1 semester, 7th - 8th grade)

During this course, students will develop skills and habits that make them more strategic learners and improve their individual study habits. Students will receive instruction in organizational, note-taking, and test-taking strategies. Students will be able to improve their time management, memorization, and reading comprehension skills. They will review school media resources and engage in short research projects. The goal of this course is to foster the development of skills applicable to all classes and to prepare students for the state assessments.

0221 **Reading Enrichment** (1 semester, 7th - 8th grade, by recommendation)

Reading Enrichment is a course designed for students to learn strategies to optimize their reading success. Students will receive explicit and direct instruction in decoding skills, spelling rules, reading fluency, and reading comprehension. Students will also practice independent reading, summarizing, inferring, and synthesizing from a variety of written works. They will receive whole-group, small-group, and one-on-one instruction to maximize their learning potential and to enable teachers to target individual reading needs. This course will also focus on skills necessary to be successful on state reading tests.

HEALTH & PHYSICAL EDUCATION

0611 **Health and Physical Education 7th Grade** (full year)

0612 **Health and Physical Education 8th Grade** (full year)

Health and Physical Education will be required for a full year during the 7th and 8th grades. In the 7th grade, health concepts will be incorporated into the physical education setting. There will be a greater emphasis on Health Education during the 8th grade. A minimum of one week out of every four will be devoted to health instruction dealing with current health issues, with the remaining days spent in physical education.

Physical Education emphasis will be on personal fitness, basic motor skills, and team concepts. The Health Education curriculum will deal with current health issues.

Being dressed properly for physical education classes requires shorts and t-shirts (in color choices of gray, white, black, or green), socks, and tennis shoes that are a change of clothing from what was worn to school.

0631 **Physical Education** (1/2 credit, full year, graduation requirement, 9th grade)

All ninth graders will take Physical Education for one full year. The program is designed with emphasis on personal fitness, incorporating basic through advanced fitness concepts and activities, the development of individual fitness programs, and an integration of team, individual, and lifetime sports.

Being dressed properly for physical education classes requires shorts and t-shirts (in color choices of gray, white, black, or green), socks, and tennis shoes that are a change of clothing from what was worn to school.

0632 **Health Education** (1/2 credit, 1 semester, graduation requirement, 10th grade)

Health Education is a required course for all 10th graders. Concentration will be on improving one's quality of life through attitudes and behaviors with special emphasis on safety and first aid; personal health; human sexuality; drug, alcohol, and tobacco education; and the understanding of infectious and non-infectious disease.

MATHEMATICS

NOTES

Calculators

Scientific calculators are required in all math classes, and graphing calculators are recommended in all advanced math classes (Algebra I and beyond) unless otherwise indicated below.

| Course | Required | Recommended |
|--------------------------|---------------------|----------------|
| Pre-algebra 7 | TI-30XIIS | |
| Foundations of Algebra 8 | TI-30XIIS | |
| Algebra I | Graphing Calculator | TI-83 or TI-84 |
| Geometry | Graphing Calculator | TI-83 or TI-84 |
| Algebra II | Graphing Calculator | TI-83 or TI-84 |
| College Algebra | Graphing Calculator | TI-83 or TI-84 |
| Pre-calculus | Graphing Calculator | TI-83 or TI-84 |
| Calculus | Graphing Calculator | TI-83 or TI-84 |
| Statistics | Graphing Calculator | TI-83 or TI-84 |
| Discrete Mathematics | Graphing Calculator | TI-83 or TI-84 |

Math Lab

Help with specific math problems or concepts is available to junior high and senior high students. The math lab is open in the Foundry Monday through Friday in the morning from 7:00 a.m. to 8:00 a.m., at lunch from 11:10 a.m. to 12:00, and from 3:00 p.m. to 4:00 p.m. Students are also welcome to work on homework during this time. Posted schedules may indicate changes to these times.

0010 **Pre-algebra**

This course is designed to prepare 7th grade mathematics students for Algebra I in the eighth grade. Pre-algebra focuses on rational numbers, measurement, probabilities, geometry, introduction to linear functions, graphing, and other pre-algebra topics. A scientific calculator is required. (Students who pass this course but do not pass the state achievement test at the end of this course will be scheduled for Foundations of Algebra 8 the following year).

0015 **HR Pre-algebra**

This is a 7th grade math course for the mathematically advanced 7th grade students. It is designed to prepare them to take HR Algebra I in the eighth grade. This course is aligned with Ohio's Learning Standards for advanced math students. Students are placed in this course based on ability and achievement test data. A scientific calculator is required. (Students who pass this course but do not pass the state achievement test at the end of this course will be scheduled for Foundations of Algebra 8 the following year).

0018 **Foundations of Algebra**

This 8th grade math course reinforces the structure upon which ideas in mathematics are built and developed, and provides a solid understanding of prerequisite knowledge of algebra concepts. Eligibility is determined by grades in Pre-Algebra, state test scores in math, and teacher recommendation. It is required for students who demonstrated incomplete acquisition of the foundational skills that are taught in Pre-Algebra.

0031 **Algebra I** (1 unit of high school credit, full year, 8th grade)

This course formalizes and extends the mathematics students learned in the middle grades. Students analyze and explain the process of solving linear, exponential, and quadratic equations and inequalities. They interpret and translate between various functions given graphically, numerically, symbolically, and verbally and use these functions to model phenomena.

Prerequisite: Pre-algebra or Foundations of Algebra 8

0020 **HR Algebra I** (1 unit of high school credit, full year, 8th grade)

This is an enriched, accelerated Algebra course that includes all of the topics in the regular Algebra course. Advanced topics beyond the regular Algebra course may be studied, including more specialized functions like absolute value, rational, step, and piecewise-defined.

Prerequisite: An achievement level of a “B” or above in HR Pre-algebra and recommendation of the 7th grade teacher.

0041 **Geometry** (1 credit, full year, 9th - 10th grades)

This is a course in which students deepen their logical and reasoning abilities to make formal mathematical arguments. Emphasis is made on having students provide justifications for geometric statements and related equations. Students prove theorems using a variety of formats, and solve problems about triangles, quadrilaterals, and other polygons. A variety of topics are discussed, including transformations, triangle congruence, similarity, right triangle trigonometry, circles, constructions, and three-dimensional objects.

Prerequisite: Algebra I

0030 **HR Geometry** (1 credit, full year, 9th - 10th grades)

This is an enriched, accelerated Geometry course that includes all of the topics in the regular Geometry course. Advanced topics beyond the regular Geometry course may be studied. This course is designed to help students obtain the problem-solving skills necessary for success in subsequent mathematics courses.

Prerequisite: An achievement level of “B” or above in HR Algebra I and recommendation by Algebra I teacher.

0051 **Algebra II** (1 credit, full year, 10th - 11th grades)

This course extends the concepts of Algebra I; integrates geometric concepts, polynomial functions, quadratics, matrices, probability, and binomial expansions; and extends the real number system to complex numbers. Trigonometry is also considered. A graphing calculator is required.

Prerequisite: Geometry

0040 **HR Algebra II** (1 credit, full year, 10th - 11th grades)

This is an enriched, faster-paced course that extends the concepts of HR Algebra I; integrates geometric concepts, polynomial functions, quadratics, matrices, probability, and binomial expansions; and extends the real number system to complex numbers. Trigonometry and the unit circle are also considered in this course. A graphing calculator is required.

Prerequisite: An achievement level of “B” or above in HR Geometry and recommendation by Geometry teacher.

0061 **Pre-calculus** (1 credit, full year, 11th - 12th grades)

This is an integrated course of analytic geometry and trigonometry developed through deductive reasoning and problem solving. Students explore twelve basic functions through a numerical, algebraic, and graphical approach to enhance understanding of the concepts. This course is designed for students to take Calculus the subsequent year. A graphing calculator is required.

Prerequisite: Achievement level of “B” or above in Algebra II.

0050 **HR Pre-calculus** (1 credit, full year, 11th - 12th grades)

This is an enriched, accelerated pre-calculus course and includes additional topics not discussed in the regular pre-calculus course. This course is designed for students to take either Calculus or AP Calculus the following year. A graphing calculator is required.

Prerequisite: An achievement level of “B” or above in HR Algebra II and recommendation by an Algebra II teacher.

0062 **Discrete & Financial Mathematics** (1 credit, full year, 11th - 12th grades)

This course may be taken in addition to a student’s recommended math course sequence. It is a wide-ranging survey course in modern mathematics available to seniors and some juniors who have completed Algebra II. The emphasis is on the application of mathematics knowledge to solving real- world problems. Topics include social choice, statistical reasoning and decision analytics, networks and management science, symmetry and dimension, and financial mathematics. This course meets the financial literacy requirement.

Prerequisite: Algebra II

0581 **Calculus** (1 credit, full year, 12th grade)

This course introduces students to elements of differential and integral calculus, with the emphasis placed on problem solving applications of the techniques of calculus rather than on the deductive development of those techniques. Differential calculus involves the study of the rate of change of functions, while integral calculus studies the accumulations of rates of change. Problem situations include not only typical mathematical interests, but examples from other fields such as business and economics.

Prerequisite: Pre-calculus and recommendation of Pre-calculus teacher.

0060 **AP Calculus AB [AP Calculus]** (1 credit, full year, 12th grade)

This course provides a study of differential and integral calculus with the emphasis on problem solving and deductive development of the concepts used. Students enrolled in this course are expected to take the Advanced Placement test, which involves a fee (currently \$98). A graphing calculator is required.

Prerequisite: Recommendation of Pre-calculus teacher.

0063 **College Algebra** (1 credit, full year, 11th - 12th grades)

This course reinforces topics in Algebra I and II. It provides a solid understanding of linear, quadratic, and exponential functions. Polynomial functions and trigonometry are also considered. A graphing calculator is required.

Prerequisite: Algebra II

0068 **AP Statistics** (1 credit, full year, 11th - 12th grades)

This is an elective course that may be taken in addition to (not in lieu of) the regular math course sequence through PreCalculus. This course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes evident in the content, skills, and assessment in the AP Statistics course: exploring data, sampling and experimentation, probability and simulation, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding.

This is a full year course and students who successfully complete the course and AP exam may receive credit, advanced placement, or both for a one-semester introductory college statistics course. Students enrolled in this course are expected to take the Advanced Placement test, which involves a fee (currently \$98). A graphing calculator is required.

Prerequisite: An achievement level of "B" or above in Algebra II.

MUSIC

1111 **Concert Band** (full year, 7th or 8th grades)

1112

This course is open to all students in grades 7 and 8 with at least one year of previous instrumental instruction in wind or percussion or by permission of the director. The continued development of musical proficiency and technique is stressed through an intermediate level of band literature. The Concert Band performs at several concerts throughout the school year.

\$ There is a fee associated with this course. (Students using a school-owned instrument will be assessed a \$20 instrument usage fee.)

Prerequisite: Consent of the director.

1113 **Junior High Choir** (full year or one semester, 7th or 8th grades)

1114

This performing choir class is open to all junior high students. Music literacy, beginning voice training, and performing skills are stressed. This choir performs several concerts during the school year. It is highly recommended that choir be taken as a full-year course, but it may be taken by the semester.

Prerequisite: None

1131 **Symphonic Band** (1 credit, full year, 9th - 12th grades)

1132

A performance group open to high school students. Emphasis is on the development of musicianship through performance of appropriate levels of band repertoire. Symphonic Band members are required to perform at various functions throughout the school year. These functions may include formal concerts, basketball, and football games. Students are expected to practice their instruments outside of the school day. It is expected that students will participate in summer band camp.

\$ There is a fee associated with this course. (Students using a school-owned instrument will be assessed a \$20 instrument usage fee. A uniform maintenance fee of \$20 will be assessed for Marching Band.)

Prerequisite: Concert Band; proficiency on a wind/percussion instrument and self-discipline.

1141 **HR Symphonic Band** (1 credit, full year, 10th - 12th grades)

1142

Band students in grades 10-12 may choose to enroll in band for honors credit. They will participate in the same class as the Symphonic Band, but will commit to fulfilling additional course requirements. HR Symphonic Band students will be held to higher standards of musical achievement in performance evaluations. Enrollment in HR Symphonic Band requires the director's approval.

Additional requirements may include:

- Students must perform a solo at OMEA Solo & Ensemble Adjudicated Event or other public venue
- Students must perform from an extended repertoire of scales during performance evaluations.
- Students must mentor elementary or junior high band students and provide positive leadership influences within their own band.
- Students must complete one special project during each nine-week grading period that may include, but not limited to, a written report, a music analysis, or attendance at a professional/university concert.
- Students will be encouraged to enroll in private lessons for their band instrument in order to accelerate their musical growth.

It is expected that students will participate in summer band camp.

\$ There is a fee associated with this course. (Students using a school-owned instrument will be assessed a \$20 instrument usage fee. A uniform maintenance fee of \$20 will be assessed for Marching Band.)

1160 **Concert Choir** (1/2 credit, 1 semester, 1 credit, full year recommended, 9th - 12th grades)

1165

This course is for the student interested in learning basic to advanced singing techniques, performing excellent choral music in a broad range of styles, committing to singing with artistic expression as an ensemble and becoming informed, literate musicians. The High School Concert Choir performs at several concerts throughout the year. There are also opportunities to perform at District Solo and Ensemble to earn a ranking based on the soloist or ensemble's expertise. It is highly recommended that High School Concert Choir be taken as a full year course.

1162 **HR Concert Choir** (1/2 credit, 1 semester, 1 credit, full year recommended, 9th - 12th grades)
1167

Students in grades 9 through 12 may enroll in HR Concert Choir to earn honors credit. They will participate fully as members of the Concert Choir, but will fulfill additional course requirements as listed below. Honors Concert Choir students are expected to be leaders in musical achievement and performance standards.

Additional requirements will include at least one of the following:

- Students may audition for and be accepted as a member of the Choraliers, demonstrating excellent behavior, complete memorization of assigned musical literature, and 95% attendance at rehearsals.
- Students may present a special project at the conclusion of each quarter that may include a written report, a mini-recital, attendance at and evaluation of a collegiate or professional concert.
- Students may take private lessons in their voice part.
- Students may participate in one District, University, State, or National honors choir festival.
- Students may perform as a vocal soloist or in a vocal ensemble at OMEA Solo & Ensemble Adjudicated Event.
- Students may participate in the Fall or Spring Musical.

1168 **HR Choraliers** (1 credit, full year, 9th - 12th grades)
1169

Students in grades 9 through 12 may audition to take part in the Choraliers, an Ottawa Hills choral tradition. This choir sings repertoire that is rigorous and varied, performs at many musical events both locally and nationally, and competes annually through the Ohio Music Educators Association. Choraliers embody the vocal music leadership of the OHHS community. Rehearsals will have a strong focus on singing that is both technical and expressive. Other focus areas include performance practices highlighting professionalism, musical literacy skills, teamwork/cohesion, community outreach, and an informed approach to music of many cultures and languages.

Prerequisite: Required Audition at the end of Spring semester and consent of director

1140 **Music Technology** (1/2 credit, 1 semester, 11th - 12th grades)

The 21st century has brought great advances in music production capabilities through the advent of computers. This course introduces students to music production techniques using current computer music software and hardware. Students will discover methods of writing music on computers, recording and sampling techniques, MIDI, electronic music methods, "remixes" and "mash-ups", experiment with pitch correction software, and basics of film scoring. Students will indirectly discover musical form, scale construction, and other essential elements of music without formal introduction.

1135 **Music Theory I** (1/2 credit, 1 semester, 11th - 12th grades)

This class will teach basic music theory: note reading, scale and chord construction, and rhythmic patterns leading to experiment with composition. The concepts taught in this class are useful to both vocal and instrumental music students and particularly valuable to those considering any type of career in music. It is recommended that students have a keyboard or piano to aid in practice at home.

1170 **AP Music Theory** (1/2 credit, 1 semester, 11th - 12th grades)

This course will teach advanced concepts of music theory covered in the first two semesters of a 100-level college music theory course. Material covered includes melodic and harmonic dictation, aural skills, realization of figured bass and Roman numeral progressions, intervallic relationships and identification, common musical forms, and non-chord tones through analysis of repertoire and composition. The end of the semester includes participation in the AP Music Theory exam. The fee for this exam is currently \$98.

Prerequisite: Music Theory I

SCIENCE

0411 **General Science 7** (7th grade)

This course is an integrated science curriculum focusing on earth and space, physical, and life sciences around the theme of Order and Organization. The curriculum will focus on the many cycles that occur in science. The 7th grade science curriculum is patterned after the competency-based science program approved by the Ohio Department of Education and follows the National Science standards.

[\\$ There is a fee associated with this course.](#)

0425 **General Science 8** (8th grade)

This course will focus on a continuation of the species (life science), forces and motion within, on, and around the Earth and within the universe (physical science), and the physical features of Earth and how they formed. This includes the interior of Earth, the rock record, plate tectonics, and landforms (Earth science).

[\\$ There is a fee associated with this course.](#)

0431 **Biology** (1 credit, 9th grade)

Biology is an inquiry and modeling lab-oriented course with an emphasis on heredity, evolution, cells, diversity, and interdependence of life. Specific topics covered in the course include the scientific process, classification, evolution, basic biochemistry, enzymes, cell structure and function, energy, photosynthesis, cellular respiration, DNA and RNA, genetics, ecology, climate change, and invasive species. Biology includes a lunch session that meets 1 time every schedule rotation.

[\\$ There is a fee associated with this course.](#)

0430 **HR Biology** (1 credit, 9th grade)

Honors Biology is an inquiry and modeling lab-oriented course with an emphasis on heredity, evolution, cells, and diversity and interdependence of life. Specific topics covered in the course include the scientific process, classification, evolution, basic biochemistry, enzymes, cell structure and function, energy, photosynthesis, cellular respiration, DNA and RNA, genetics, ecology, climate change, invasive species, and the basics of scientific research. In Honors Biology students are expected to complete extensive projects, including a science fair project that emphasizes the scientific research process while collecting multiple data points for analysis over extended periods of time. HR Biology includes an early bird session that meets 1 time every schedule rotation.

[\\$ There is a fee associated with this course.](#)

Prerequisite: Teacher recommendation

0480 **AP Biology** (1 credit, 10th - 12th grades)

Advanced Placement Biology is a class designed to bring college level Biology to high school students in grades 10 through 12. The course is centered around the four “Big Ideas” of Biology as described by The College Board. The AP Biology “Big Ideas” are Evolution, Energetics, Information Storage and Transmission, and Systems Interactions. The 8 units of AP Biology, as described by The College Board include, Chemistry of Life, Cell Structure and Function, Cellular Energetics, Cell Communication and Cell Cycle, Heredity, Gene Expression and Regulation, Natural Selection, and Ecology. This content and lab-intensive course includes many inquiry and modeling based labs with extensive lab reports that emphasize scientific skills and practices. There will also be online activities and virtual labs completed in this course. AP Biology includes an early bird session that meets 1 time every schedule rotation. Students enrolled in this course are expected to take the AP Biology exam. Current AP test fee is \$98.

[\\$ There is a fee associated with this course.](#)

Prerequisite: Teacher recommendation, Algebra I, and Chemistry*

* If a student has not yet completed Chemistry, they can still take AP Biology, but must also take Chemistry at the same time.

0442 **Zoology** (1/2 credit, first semester, 10th - 12th grades)

Zoology specifically focuses on the study of animals including their structure, classification, adaptations, evolution, and behavior. The first quarter examines invertebrates including sponges, jellyfish, worms, mollusks and arthropods. The second quarter examines vertebrates, including amphibians, reptiles, birds, and mammals. This class includes several animal dissections and hands-on activities/labs.

[\\$ There is a fee associated with this course.](#)

Prerequisite: Biology

0443 **Botany** (1/2 credit, second semester, 10th - 12th grades)

Botany focuses on the study of plants, including their structure, classification, adaptations, evolution, and their relationships with animals. The first quarter examines the various roles plants have in ecosystems, and the specialized organs of plants including leaves, roots, and flowers. The second quarter examines plant classification and explores the major plant divisions from mosses to flowering plants. Several hands-on activities and labs will be included with each unit.

[\\$ There is a fee associated with this course.](#)

Prerequisite: Biology

0444 **Environmental Science** (1 credit, full year, 11th - 12th grades)

Environmental Science is a full year, elective integrated science course that incorporates aspects of biology, chemistry, physics, and geology while introducing students to key concepts, principals and theories within environmental science. Students will apply several major scientific skills and practices that will allow them to engage in authentic scientific inquiry. This course will provide students with opportunities to relate classroom concepts to real-world applications of environmental science and gain an awareness of the science behind the issues. Fees for this course go toward lab supplies and environmental science related field trips.

[\\$ There is a fee associated with this course.](#)

Prerequisite: Biology

0451 **Physiology and Anatomy** (1 credit, 11th - 12th grades)

This course focuses on a detailed study of the structure and function of the human body. Lab activities will accompany all areas of study and will include use of clay mannequins, microscopic examination of tissues, and several dissections (e.g. sheep brain, sheep heart, mink). The dissection of the mink will occur over several months and will include all the major body systems. This course is designed for students who wish to increase their knowledge of life sciences, and those who intend to pursue a career in the medical field, pharmacy, veterinary medicine, physical therapy or zoology. However, this is a practical and beneficial course for any person wishing to learn about the human body.

[\\$ There is a fee associated with this course.](#)

Prerequisite: Biology; Chemistry would be helpful.

0450 **HR Physiology and Anatomy** (1 credit, 11th - 12th grades)

Students registered for this course will cover the topics listed in the regular Physiology and Anatomy course. However, they will be required to extend and broaden the course expectations through more detailed understanding of the biochemistry and physiological processes of the body; expanded memorization of the muscle groups, bones, and organ systems; and a greater understanding of diseases and disorders of the body. Student must have the prerequisites of chemistry and biology to participate in honors level work. HR P & A students are expected to complete a research project that emphasizes the scientific research process and present their research.

[\\$ There is a fee associated with this course.](#)

Prerequisites: Biology and Chemistry

0452 **Chemistry** (1 credit, 10th - 12th grades)

Chemistry is the study of the structure of everything in the universe and the energy which produces changes in those structures. Topics in chemistry include states of matter, gas law relationships, chemical reactions, stoichiometry, and more. Students will be involved in numerous laboratory investigations, will learn proper lab technique, and how to safely operate various lab equipment.

[\\$ There is a fee associated with this course.](#)

Prerequisite: Must be taking Algebra II concurrently or have already taken Algebra II.

0440 **HR Chemistry** (1 credit, 10th - 12th grades)

Honors Chemistry is a yearlong introductory chemistry course designed to meet the needs of the student who plans to continue to AP Chemistry or take chemistry in college. Students will develop a deep conceptual understanding of matter and energy at the molecular level as they learn to explain macroscopic observations using particulate-level reasoning. Students engage with content utilizing the scientific reasoning skills needed to analyze the natural world and to succeed in other advanced science coursework. Compared with the regular Chemistry course, Honors Chemistry moves faster, covers more topics at greater depth, and requires memorizing more information to increase automaticity. Problem-solving skills are further developed in analyzing more complex situations requiring higher-level thinking and greater mathematical proficiency.

By challenging yourself in Honors Chemistry, you have committed to going above and beyond the requirements of a regular high school Chemistry course to continue to AP Chemistry, Physics, and other advanced physical science courses. An independent research project is required.

Prerequisites: Completion of Honors Algebra 1 and Honors Geometry courses with a B or higher; Passing score on Algebra 1 and Geometry state assessments. Completion of or concurrent enrollment in Honors Algebra 2.

0470 **AP Chemistry** (1.5 credits, 11th - 12th grades)

The AP Chemistry course is a second year of chemistry equivalent to one year of general college chemistry. This course emphasizes chemical calculations and college level laboratory work. A wide range of topics are covered in depth, including acids and bases, kinetics, and electrochemistry. Success in this course requires a strong mathematical background. Students enrolled in this course are expected to take the AP Chemistry exam. Current AP test fee is \$98. The course meets for early bird each day.

[\\$ There is a fee associated with this course.](#)

Prerequisites: Completion of Algebra II, one year of Chemistry, and Chemistry teacher recommendation.

0453 **Physical Science** (1 credit, 10th - 12th grades)

This is a lab-oriented physical science course covering selected topics in chemistry such as atoms, matter, and periodic table in addition to physics topics such as velocity, acceleration, and energy. Includes a lunch lab one day during the four-day rotation.

[\\$ There is a fee associated with this course.](#)

Prerequisite: Teacher recommendation.

0481 **HR Scientific Research in Partnership with ProMedica** (1 credit, 1 year, 10th - 12th grades)

Students enrolled in this course will become immersed in the world of scientific research. They will read and present peer reviewed journal literature, focusing on identifying the scientific questions being asked, the relevant background scientific ideas discussed, the hypotheses being tested, the procedures followed and the conclusions drawn. Students will also complete several laboratory investigations of their own, learn how to access and use scientific resources to form viable questions and hypotheses, and communicate their results in scientific papers and formal presentations. A major component of the course involves the students participating in authentic research through associations with local universities and professional scientists. Research can be completed at the Ottawa Hills High School research lab and/or at an off campus lab at a local university or other research setting. This includes time with researchers in our classroom at Ottawa Hills as well as time in the field or university laboratory setting. During this phase of the course, students should expect to spend at least 6 hours offsite per week, spread over two or more weekly sessions. Students must have a means of transportation to partnering organizations. The course culminates with the completion of the students' own long-term scientific research projects and the presentation of findings at organized events. Student are required to register for a minimum of 2 judged events not including the local science fair.

[\\$ There is a fee associated with this course.](#)

Prerequisite: Teacher recommendation, AP Biology and/or AP Chemistry, and student interview with teacher

0461 **Physics** (1 credit, 12th grade)

This course provides an introductory exposure to the formal study of patterns in the physical world. Through careful observation, we are often able to see relationships in nature that we can model with equations, which can then be manipulated mathematically and combined with experimentation to further our understanding. Topics include kinematics, dynamics, energy, momentum, waves, sound, optics, and electricity.

[\\$ There is a fee associated with this course.](#)

Prerequisites: Algebra II and Chemistry. Previous or concurrent enrollment in Pre-calculus is strongly recommended.

0468 **HR Physics** (1.5 credits, 2 class periods, 12th grade)

This course provides both a more rigorous and comprehensive exposure to physics than does the regular physics offering, including additional units on thermodynamics, magnetism and modern physics. Meeting for a two-period block, this course is intended to provide a strong foundation for further study in the field, and is directed at students considering careers in engineering, medicine, and the sciences. With an emphasis on the application of physics knowledge to problem solving, students develop an understanding of the connections to other science disciplines and an appreciation for the physical world. HR Physics students are expected to complete a research project that emphasizes the scientific research process and present their research.

[\\$ There is a fee associated with this course.](#)

Prerequisites: Pre-calculus or HR Pre-calculus, Chemistry or HR Chemistry, and recommendation of the Physics teacher. Previous or concurrent enrollment in AP Calculus is strongly encouraged.

0420 **AP Physics 1 and 2** (2.5 credits, 2 class periods plus Early-Bird Labs, 12th grade)

AP Physics 1 and 2 meets for a two-period block plus Early-Bird Labs. This course is designed to prepare students with no prior physics coursework for the content found on both the AP Physics 1 and AP Physics 2 exams. Additional labs, problems, and all topics from the AP curricula are included. Students are expected to take the exams in May, and successful completion may earn credit, advanced placement, or both at colleges and universities. Ideally suited for students wishing additional preparation in physics for engineering and science degrees, this course is also recommended for those wishing to pursue careers in medicine, and it serves as a comprehensive foundation for further calculus-based physics coursework in college. Students enrolled in this course prepare for both the AP Physics 1 and AP Physics 2 exams. Current AP test fee is \$98.

[\\$ There is a fee associated with this course.](#)

Prerequisite: Teacher recommendation; concurrent enrollment or previous credit in AP Calculus is expected.

SOCIAL STUDIES

0510 **Ancient World History** (7th Grade)

World Studies from 750 B.C. to 1600 A.D.: Ancient Greece to the First Global Age

The seventh grade year is an integrated study of world history, beginning with ancient Greece and continuing through global exploration. All four social studies strands are used to illustrate how historic events are shaped by geographic, social, cultural, economic and political factors. Students develop their understanding of how ideas and events from the past have shaped the world today. Students will continue to expand their abilities in social studies skills and methods, including research, data analysis, and in-class presentations.

0520 **Early American History** (8th grade)

U.S. Studies from 1492 to 1877: Exploration through Reconstruction

The eighth grade year is the study of European exploration and the early years of the United States. This study incorporates all four social studies strands into a chronological view of the development of the United States. Students examine how historic events are shaped by geographic, social, cultural, economic and political factors. Students will continue to expand their abilities in social studies skills and methods, including research, data analysis, and in-class presentations.

0531 **Modern World History** (1 credit, 9th grade)

This course examines world events from 1600 to the present. It explores the impact of the democratic and industrial revolutions, the forces that led to world domination by European powers, the wars that changed empires, the ideas that led to independence movements, and the effects of global interdependence. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions. Growth in social studies skills will be emphasized through research, data analysis, and in-class presentations.

0530 **HR Modern World History** (1 credit, 9th grade)

This course examines world events from 1600 to the present. It explores the impact of the democratic and industrial revolutions, the forces that led to world domination by European powers, the wars that changed empires, the ideas that led to independence movements, and the effects of global interdependence. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions. Growth in social studies skills will be emphasized through research, data analysis, and in-class presentations. The honors level of this course requires additional readings and document analysis. Tests and assignments will reflect this more demanding approach, as students work with higher expectations. There will also be an additional project each quarter for honors students.

Prerequisite: "A" in previous social studies course or Social Studies teacher recommendation.

0551 **Modern American History: 1877 Through the Present** (1 credit, 10th grade)

Modern American History immerses students in the founding documents of American democracy and history from 1877 to the present. Students will focus on domestic and foreign policy issues, including but not limited to the Western frontier, Industrialization and Immigration, the Progressive reform movement, America's empire building and involvement in international wars, the Great Depression and growth of government involvement in Americans' lives, the Cold War, the Civil Rights Movement, the Korean and Vietnam Wars, and the late 20th century. Historical thinking skills introduced in earlier grades continue to build with students analyzing primary and secondary sources from multiple perspectives to draw conclusions. Students will experience research, data analysis, written and oral analysis, and individual and group projects as they apply their knowledge and expand their skills. Students will take a state-mandated comprehensive End-of-Course Exam.

Prerequisite: "A" in previous social studies course or Social Studies teacher recommendation.

0550 **HR Modern American History: 1877 Through the Present** (1 credit, 10th grade)

Honors Modern American History immerses students in the founding documents of American democracy and history from 1877 to the present. Students will focus on domestic and foreign policy issues, including but not limited to the Western frontier, Industrialization and Immigration, the Progressive reform movement, America's empire building and involvement in international wars, the Great Depression and growth of government involvement in Americans' lives, the Cold War, the Civil Rights Movement, the Korean and Vietnam Wars, and the late 20th century. Historical thinking skills introduced in earlier grades continue to build with students analyzing primary and secondary sources from multiple perspectives to draw conclusions. Students will experience research, data analysis, written and oral analysis, and individual and group projects as they apply their knowledge and expand their skills. The honors level of this course requires additional readings and document analysis. Tests and assignments will reflect this more demanding approach, as students work with higher expectations. There will also be an additional project each quarter for honors students. Summer reading and writing required. Students will take a state-mandated comprehensive end-of-course exam.

Prerequisite: "A" in previous social studies course or Social Studies teacher recommendation.

0553 **Economics** (1/2 credit, 1 semester, 11th - 12th grades)

This elective survey course provides a general introduction to the U.S. and world economies. Topics include: comparative economics; public economic policy; supply and demand; economic cycles and their causes; the effects of globalization of trade, specialization, and independence on standards of living and economic growth; fiscal and regulatory policies; and personal financial management. Students in this class will be required to use data analysis, demonstrate written comprehension and research (including a research paper or presentations), and experience role-playing applications. This course satisfies the Ohio financial literacy requirement of the Ohio Core.

0555 **Global Issues** (1/2 credit, 1 semester, 11th - 12th grades)

This elective course provides an overview of global interactions affected by dynamics that include: competing beliefs and goals; methods of engagement; and conflict and cooperation. Political, economic, social, historic and geographic components of contemporary issues will be studied. Topics may include, but are not limited to the following: human rights, terrorism, genocide, environmental challenge, immigration, trade globalization, gender issues, war, peace, and international organizations. Awareness of current international events is emphasized. Students in this class will be required to use data analysis, demonstrate written comprehension and research (including a research paper or presentations), and experience role-playing applications.

0561 **US Government and Politics [American Government]** (1 credit, 1 year, 11th grade)

This required survey course provides a general introduction to American government, and how the American people govern themselves at national, state and local levels. Topics will include, but are not limited to, the following: why people institute governments and how they influence them; how governments interact with each other; the evolution of the U.S. Constitution, its philosophical foundations, amendments, and Supreme Court decisions; how the State of Ohio acts within the framework of the U.S. Constitution and extends powers and functions to local governments; how power is acquired and employed; governmental change, including political action, social protest, and revolution; the nature and balancing of individual rights for the common good; issues facing the American democracy in the world today; citizen participation in the American election process; and citizen action as a strength in the American democracy. Students in this class will be required to use data analysis, prove written comprehension, utilize primary sources, and practice role-playing skills. Students will take a state-mandated comprehensive End-of-Course Exam.

0562 **Sociology** (1/2 credit, 1 semester, 11th - 12th grades)

This elective survey course provides a general introduction to sociology. Topics will include, but are not limited to, the following: research methods, culture, socialization, social structure and society, societal stratification, inequalities of race and ethnicity, inequalities of gender and age, and deviance. Students will be required to develop and maintain a blog throughout the course of the semester in order to demonstrate understanding of vocabulary/concepts and apply them to relevant real life examples. This course is offered in odd years (i.e. 2025-2026, 2027-2028, 2029-2030).

0564 **Psychology** (1/2 credit, 1 semester, 11th - 12th grades)

This elective course will be an overview of the behavior and mental processes of human beings. Topics will include: an introduction to the fields of psychological research, the life span, the workings of body and mind, current brain research, learning and cognition, personality, and psychological disorders. The topics will be examined by utilizing critical thinking, problem solving, and primary sources. Because of the nature of the class, student work will include presentations and projects. This course is offered in even years (i.e. 2024-2025, 2026-2027, 2028-2029).

0560 **AP US Government and Politics [AP American Government]** (1 credit, 1 year, 11th grade)

This elective course fulfills the state of Ohio's American Government requirement by providing an in-depth examination of the political institutions and processes of American government. At the conclusion of this class, the student will be expected to take the Advanced Placement examination for AP United States Government and Politics. The course will do the following: explain why people institute governments, how they influence governments, and how governments interact with each other; analyze the evolution of the Constitution through post-Reconstruction amendments and Supreme Court decisions; analyze the difference among various forms of governments to determine how power is acquired and used; analyze ways people achieve governmental change, including political action, social protest, and revolution; explain how individual rights are relative, not absolute; describe the balance between individual rights, the rights of others, and the common good; evaluate, take, and defend positions about issues concerning the alignment of the characteristics of American democracy with realities in the United States today; explain how the U.S. Constitution has developed including its philosophical foundations, amendments, and court interpretations; analyze how citizens participate in the election process in the United States; evaluate various means for citizens to take action on a particular issue; and explain how the exercise of citizens' rights and responsibilities helps strengthen a democracy. Students in this class will be required to use data analysis, prove written comprehension, utilize research materials, and practice role-playing skills. Summer reading and writing will be required. Students will take a state-mandated comprehensive End-of-Course Exam. Additional expenses may include supplemental texts and workbooks. The cost of the AP exam is currently \$98.

Prerequisite: "A" in previous social studies course or Social Studies teacher's recommendation.

0580 **AP United States History** (1 credit, 1 year, 11th - 12th grades)

This elective Advanced Placement course and the accompanying AP examination in United States History are considered the equivalent to a college introductory course in American history. In this course students will investigate significant events, individuals, developments, and processes from 1491 to the present. Students develop and use the skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical comparisons; and utilizing reasoning about contextualization, causation, and continuity and change over time. At the conclusion of this class, the student will be expected to take the Advanced Placement examination for AP United States History. This course is offered in odd years (i.e. 2025-2026, 2027-2028, 2029-2030). Summer reading and writing is required. Additional expenses may include supplemental texts and workbooks. The cost of the AP exam is currently \$98.

Prerequisite: "A" in previous social studies course or Social Studies teacher recommendation.

0590 **AP European History** (1 credit, 1 year, 11th - 12th grades)

This elective Advanced Placement course and the accompanying examination in European History are considered the equivalent to a college introductory course in European history. This study of European history from 1450 to the present introduces students to the cultural, economic, political, and social developments that played a fundamental role in shaping the world in which we live today. The students will develop a context for understanding contemporary institutions, the role of continuity and change in present-day society and politics, and the evolution of forms of artistic expression and intellectual discourse. The student will experience the principle themes in modern European history, the analysis of historical evidence and its interpretation, and will practice the expression of historical understanding in writing. At the conclusion of this class, the student will be expected to take the Advanced Placement examination for AP European History. This course is offered in even years (i.e. 2024-2025, 2026-2027, 2028-2029.). Summer reading and writing will be required. Additional expenses may include supplemental texts and workbooks. The cost of the AP exam is currently \$98.

Prerequisite: "A" in previous social studies class(es) and teacher recommendation.

WORLD LANGUAGES

0311 **Communicating in French & Spanish** (7th grade; no high school credit - 1 semester)

This semester course consists of one quarter of French and one quarter of Spanish. Emphasis will be on communicating in the world language through communication-oriented participation activities. Adjustments will be made to the curriculum based on the students' experiences in the elementary world language program.

No prerequisite.

0321 **French I** (1 unit of high school credit, 8th - 12th grades)

This first level college preparatory program emphasizes communication in French. Students develop listening, speaking, reading, and writing skills by using French to accomplish simple communicative tasks. Vocabulary and grammar are presented within contexts that motivate the students to communicate in a meaningful way. Cultural differences between the United States, France, and other francophone countries are explored throughout the year. Music, video, and Internet resources enhance the learning experience. A workbook is required, and students are required to complete one language laboratory assignment per two lessons, or approximately one period every two weeks.

[\\$ There is a fee associated with this course.](#)

0331 **French II** (1 credit, 9th - 12th grades)

After having developed basic oral and listening skills, the student is now ready to cover more advanced grammar and conversation skills in French II. Each lesson uses a contemporary vocabulary as its basis and is proficiency oriented. All simple verb tenses are studied in this course, providing a transition from an elementary knowledge to the more advanced work done in French III. The course is supplemented by multimedia activities. A workbook is required, and students are required to complete one language laboratory assignment per two lessons, or approximately one period every two weeks.

[\\$ There is a fee associated with this course.](#)

Prerequisite: French I

0341 **HR French III** (1 credit, 10th - 12th grades)

This course continues to build the foundation needed to be proficient in French. Class is taught primarily in French. Students broaden their vocabulary base and master advanced grammatical structures that are presented within contexts that are relevant to their lives. This relevance encourages students to express themselves in both speaking and writing on a variety of topics. Cultural differences between the United States, France and other francophone cultures are explored throughout the year through authentic texts including literature, articles, music, and video. Students will be required to complete various language laboratory assignments throughout the year, or approximately one assignment every two to three weeks.

Prerequisite: French II

0351 **HR French IV** (1 credit, 11th - 12th grades)

This course builds a bridge between the foundation established in the first three years and the advanced language skills necessary to communicate fluently in French. The class is taught in French in order to provide students with an immersion experience. Students learn advanced vocabulary and grammatical structures within a context to help them better express themselves on a broad range of topics that are relevant to their lives. To assist with the transition to AP French, students begin to delve into the AP themes (see French V). Students continue to explore French and francophone culture through a variety of authentic texts including literature, articles, music, and video. Students are required to complete at least one language lab assignment per chapter.

Prerequisite: HR French III

0361 **AP French Language and Culture [AP French V]** (1 credit, 12th grade)

This course is designed to prepare students for the Advanced Placement French Language and Culture Exam by encouraging them to explore the world around them in French. The class is conducted entirely in French in order to provide an immersion experience for students. During the course of the year, we will address the following themes: Global Challenges, Science and Technology, Contemporary Life, Personal and Public Identities, Families and Communities, and Beauty and Aesthetics. A special effort is made to make the class relevant to the students and to give them opportunities to explore their own interests. The students will discover authentic texts and materials from France and other francophone countries including literary classics, contemporary fiction, current articles, film, and music. Students will continue to build their vocabulary base and to refine their reading, writing, speaking, and listening skills throughout the year. Students will be required to complete language lab assignments on a regular basis. We will also visit the lab as a class to complete AP speaking activities. Supplemental reading materials and workbooks required, additional supplementary reading material purchase may also be recommended, and the current cost of the Advanced Placement Test is \$98 for students.

[\\$ There is a fee associated with this course.](#)

Prerequisite: HR French IV

0322 **Spanish I** (1 unit of high school credit, 8th - 12th grades)

This first level college preparatory program stresses the listening and speaking skills of the language without neglecting the presentation of grammatical and syntactical structures. Everyday subjects are used for conversations. Fundamentals of Spanish grammar are covered. All rules of pronunciation and simple construction patterns, together with a wide vocabulary, are stressed. The course is supplemented by multimedia and other activities. This must be the first course in the college preparatory world language sequence for Spanish. Students are required to complete one language laboratory assignment per chapter.

[\\$ There is a fee associated with this course.](#)

0332 **Spanish II** (1 credit, 9th - 12th grades)

This course is a review of all grammatical expressions and patterns learned in Spanish I. Emphasis is placed on idiomatic expressions, vocabulary building, and the more advanced grammatical structures. An emphasis is placed on the verb conjugation in various tenses. Longer writing assignments are given. Reading and writing play a greater part at this level and are reinforced by daily assignments. The course is supplemented with some multimedia and other activities. Students are required to complete one language laboratory assignment per chapter.

[\\$ There is a fee associated with this course.](#)

Prerequisite: Spanish I

0342 **HR Spanish III** (1 credit, 10th - 12th grades)

This course enables students to incorporate and synthesize what they have previously learned and develop proficiency in the Spanish language. Students will be introduced to some Hispanic literature, art, history, and culture. They will learn verb tenses and more advanced grammatical concepts. They will also continue to develop reading and writing skills. The course is supplemented with multimedia and other activities. Students are required to complete one language laboratory per week.

Prerequisite: Spanish II

0352 **HR Spanish IV** (1 credit, 11th - 12th grades)

The focus of this course is to work toward developing proficiency in the essential points of grammar previously studied and includes a variety of activities, readings, and videos designed to stimulate conversation. The approach is thematic and includes selections that offer insight into Hispanic history, literature, fine arts, and culture. A major goal of the course is the amplification of speaking and writing skills. Reading material and workbook will be a required purchase. Students are required to complete one language laboratory assignment per chapter.

[\\$ There is a fee associated with this course.](#)

Prerequisite: HR Spanish III

0362 **AP Spanish Language [AP Spanish V]** (1 credit, 12th grade)

This course is designed to help students continue to develop and demonstrate their knowledge and mastery of Spanish through a variety of listening, speaking, reading, and writing exercises. Topics are assigned in order to reinforce the writing of well-organized compositions. Readings are also assigned from original literature selections from Spanish and South American writers. Students will engage in real-life conversations. Special work will be provided to help the student prepare for the SAT Subject Test in Spanish and the Advanced Placement exam. Fifth year world language students will be encouraged to take the Advanced Placement (AP) Test in Spanish Language and the SAT Subject Test in Spanish. The Advanced Placement Test fee is currently \$98 for students. All students will be required to complete one language laboratory assignment per chapter.

Prerequisite: HR Spanish IV

0315 **American Sign Language I** (1 credit, 9th - 12th grades)

This first level college preparatory program develops students expressive signing skills and receptive skills to meet the communication needs of real-life encounters in the Deaf community. Students will be able to carry on simple conversations, expressing opinions and needs as well as the ability to ask and answer questions to gain knowledge and understanding. Vocabulary and grammar are presented and demonstrated in the target language of American Sign Language (ASL); therefore development of alternative means of communication with the Deaf community will be emphasized. Cultural aspects will be discussed of the Deaf community and the hearing community and how these two worlds merge. The course is supplemented by multimedia and other activities. Students are required to complete one language laboratory assignment per unit.

[\\$ There is a fee associated with this course.](#)

0325 **American Sign Language II** (1 credit, 9th - 12th grades)

After having developed basic receptive comprehension and expressive signing skills, the student will continue to build upon such skills. This course prepares students to comprehend and sustain conversations about oneself and one's surroundings with use of basic sign recognition as well as memorized phrases. Vocabulary and grammar are presented and demonstrated fully in the target language of American Sign Language (ASL). The course is supplemented by multimedia activities. Students are required to complete one language laboratory assignment per unit.

[\\$ There is a fee associated with this course](#)

Prerequisite: American Sign Language I

3171 **Honors American Sign Language III** (1 credit, 11th - 12th grades)

This course develops expressive signing and receptive comprehension skills. These skills prepare students to engage and sustain in meaningful conversations about familiar and unfamiliar topics. Narrative dialogues will grow in complexity incorporating grammatical techniques such as classifiers used in ASL storytelling. Deaf culture will be explored from varying perspectives. The year is taught in the target language of American Sign Language (ASL). The course is supplemented by multimedia and other activities. Students are required to complete various language laboratory assignments throughout the year.

[\\$ There is a fee associated with this course](#)

Prerequisite: American Sign Language II