

OTTAWA HILLS LOCAL SCHOOLS
3600 Indian Road
Toledo, Ohio 43606

Ottawa Hills Junior/Senior High School
CURRICULUM GUIDE
2016-2017

Much effort has gone into the development and planning of the courses offered to 7th through 12th grade students and described in this Curriculum Guide. The descriptions of courses and other information, although brief, are intended to assist students and parents in determining a student's course selection for the next school year. Time spent reading the guide and planning a program of study is an investment in the future. Reading it may also provide answers to your questions and prevent problems from occurring.

If you have specific questions about course selection, units of credit, or academic scheduling, please contact the Assistant Principal's Office at (419) 534-5378 or the Guidance Office at (419) 536-8047.

Detailed Courses of Study exist for each of the courses described in this guide. If you have specific questions about course content, please contact the Office of Curriculum and Instruction at (419) 536-2713.

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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.

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 achieve 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 courses per semester. Schedules for students who participate in the College Credit Plus Program (CCP) may be adjusted based on the formula established by the State of Ohio (see page 8). 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.

ADDING OR DROPPING COURSES

Students and parents will be given time prior to registration for sufficient thought regarding course selection. All schedules for the 2016-2017 school year are expected to be finalized by the end of the current school year. Under extenuating circumstances, students may add or drop a class within the **first three (3) school days of each semester** with written permission from parents, teachers, counselor, and/or assistant principal. Students may not add or drop a class after this time period without written approval by the principal. A student who chooses to drop a course after this time period will automatically receive an "F" in this course for the same semester.

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 semester to take a College Credit Plus (CCP) course.

ACADEMIC POLICIES

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 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

	Quality Point Weighting					Transcript Symbols
	A	B	C	D	F	
Advanced Placement	5	4	3	2	0	AP
College Credit Plus*	5 or 4.5	4 or 3.5	3 or 2.5	2 or 1.5	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. Each 3 or 4 college credit hour course 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):

- All high school level courses taken at Ottawa Hills (including high school level courses taken in the junior high);
- Approved Educational Options/Credit Flexibility courses;

- University level courses taken under the state provisions of the College Credit Plus (CCP) program;
- Approved summer high school courses taken due to failure; and
- Online courses that appear on the Master Schedule and are taken during the school day at the Junior/Senior High School.
- 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.

The Rotating Schedule

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 -10:10	Period 2	Period 2	Period 3	Period 3
10:15 -11:10	Period 3	Period 4	Period 4	Period 4
11:10 -12:05	Lunch		11:15 - 11:45	Lunch Lab
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 – 7:25 - 8:05 a.m.
Lunch Lab classes meet at least once in each four-day rotation.

THE OHIO CORE

Senate Bill 311 created 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 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. The graduation requirements for students at Ottawa Hills exceed 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.

UNITS

English	4.0
Mathematics ¹	4.0
Science ²	4.0
Social Studies ³	3.0
Health	.5
Financial Literacy requirement of Ohio Core ⁴ (Economics or Personal Finance)	.5
Physical Education (1 year = 1/2 unit)	.5
Public Speaking	.5
Fine Arts (art, music, digital photography, etc.)	1.0
Computer/Technology Education or STEM	1.0
Electives	5.0
TOTAL	24 .0

- This includes Algebra I, Geometry, and Algebra II. All students should take three (3) years of mathematics after Algebra I.
- This includes 1 unit of Biology; 1 unit of Chemistry, Physics, or General Physical Science; and 2 units advanced study in physical, life, or earth sciences.
- 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 or AP United States Government and Politics.
- All Students are required to take either Economics or Personal Finance to meet the financial literacy requirements of the Ohio Core legislation.

The state minimum graduation requirement is 20 units; Ottawa Hills requires 24 units of credit.

Although taking world languages is not a requirement for graduation, it is strongly recommended that all college-bound students take a minimum of three years of one world language or two 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 courses that earn 3 or 4 college credit hours of credit will earn one unit of high school credit, even if a semester course.

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

OHIO'S NEW GRADUATION REQUIREMENTS AND ASSESSMENTS

The new graduation requirements as a result of HB 487 are effective with the graduation class of 2018. Therefore, students who entered the 9th grade for the first time in the 2014-2015 school year will fall under the provisions of HB 487 as listed below.

Graduation Requirements for Students in the Class of 2016-2017

Students in the graduation class of 2017 will fall under the graduation requirements in place when they began their 9th grade school year. Therefore, these students must meet the Ottawa Hills graduation requirements established by the Board of Education and pass all five sections of the Ohio Graduation Test (OGT).

Ohio Graduation Test (OGT)

Students in the graduation class of 2017 are required to pass all five sections of the Ohio Graduation Test (OGT) in order to receive a diploma in the State of Ohio. The OGT will be administered to only those students who have not passed all five sections of the assessment: reading, mathematics, writing, science, and social studies. Students will have additional opportunities in the fall and spring of their senior year to pass all sections of the test.

Alternative to Passing OGT

Senate Bill 1 provides an alternative to passing all five sections of the Ohio Graduation Test. Students must meet all seven criteria listed below:

1. Pass four out of five OGT tests;
2. Miss a "proficient" score by 10 points or fewer on the failed test (score of 390+);
3. Have a 97% attendance rate, excluding any excused absences, in each of the last four years of high school and have no expulsions;
4. Have a GPA of 2.5 out of 4.0 in courses of the subject test not passed;
5. Participate in intervention programs offered by the school and have a 97% attendance rate in any program offered outside the normal school day or participate in a comparable intervention program from a source other than the Ottawa Hills Schools;
6. Have letters recommending graduation from each teacher in the subject area not yet passed and the high school principal; and,
7. Complete high school curriculum requirements in the subject of the test not passed.

HB 64 provides options for students in the graduation class of 2017 with the following alternatives to passing the OGT:

1. Use the new graduation requirements in effect for students in the graduation classes of 2018 and beyond; or

2. Use the new testing options to fulfill old graduation requirements as identified below.

Math	Proficient on Math OGT <i>or</i> Earn 3 points on Algebra I or Geometry Exams <i>or</i> Earn a score of 22 on ACT Math or 520 on the SAT Math*
Reading	Proficient on Reading OGT <i>or</i> Earn 3 points on English I or English II Exams <i>or</i> Earn a score of 21 on ACT Reading or 450 on the SAT Critical Reading*
Writing	Proficient on Writing OGT <i>or</i> Earn 3 points on English I or English II Exams <i>or</i> Earn a score of 18 on ACT English or 430 on the SAT Writing*
Science	Proficient on Science OGT <i>or</i> Earn 3 points on Biology Exam <i>or</i> Earn a passing grade in CCP course in Biology
Social Studies	Proficient on Social Studies OGT <i>or</i> Earn 3 points on U.S. History or U.S. Government exams <i>or</i> Score a 2 on the AP U.S. History or AP U.S. Government & Politics exams <i>or</i> Earn a passing grade in CCP course in U.S. History or U.S. Government

*These ACT and SAT scores are remediation-free scores set by Ohio's university presidents. These scores are subject to change.

GRADUATION REQUIREMENTS FOR STUDENTS IN THE CLASS OF 2018 AND BEYOND

HB 487 did not change the courses or number of course credits required for graduation. Therefore, students in the graduation classes of 2018 and beyond will continue to fall under the courses and number of course credits established by the Ottawa Hills Board of Education. In addition to the number of credits required, students will earn points toward graduation on seven End-of-Course exams. These End-of-Course exams will replace the Ohio Graduation Tests (OGT) beginning with the students in the graduation class of 2018. These exams began during the 2014-2015 school year for students in 9th grade for the first time and apply to the graduation class of 2018 and beyond.

New Assessments – End-of-Course Exams

Beginning with the graduation class of 2018 and beyond, all students will earn points toward graduation on seven End-of-Course exams: English I, English II, Algebra I, Geometry, Biology, U.S. History, and U.S. Government. Students can earn from 1 to 5 points for each End-of-Course exam, based on their performance level.

Performance Level	Graduation Points
Advanced	5
Accelerated	4
Proficient	3
Basic	2
Limited	1

A student must earn a minimum of 18 points from scores on the End-of-Course exams with at least a total of 4 points in English I and English II exams, a total of 4 points in Algebra I and Geometry exams, and a total of at least 6 points in the Biology and U.S. History and U.S. Government and Politics exams. Students will be permitted to retake any exam during any testing window to improve their scores.

Exam Subject	Maximum Possible Points	Required Minimum
English I	5	4
English II	5	
Algebra I	5	4
Geometry	5	
Biology	5	6
U.S. History	5	
U.S. Government	5	
TOTAL	35	14 + 4

Students who take AP U.S. History and AP U.S. Government and Politics may use their scores from the AP Exam in place of the State of Ohio End-of-Course exams as identified below.

AP Score	Graduation Points
4 or 5	5
3	4
2	3
Not applicable	2
1	1

Students who take an approved College Credit Plus course in science or social studies may use their grades earned in the CCP science or social studies courses in place of the State of Ohio End-of-Course exams as identified below.

College Credit Plus (Social Studies and Science Courses)	Graduation Points
A or B	5
C	4
D	3
Not applicable	2
Not applicable	1
F – Fail or Drop the Course	0

Students in the graduation class of 2018 and beyond who earned high school credit for English I, English II, Algebra I, Geometry, U.S. History and U.S. Government prior to July 1, 2014, will receive graduation points toward the required 18 points needed based on the grade achieved in these courses at Ottawa Hills. Students who earned high school credit for Biology during the 2014-2015 school year will also receive graduation points based on the grade achieved in Biology toward the required 18 points needed for graduation. Points earned will be calculated on each semester grade based on the chart below. The two semesters will be averaged to determine the total points earned.

High School Grade	Graduation Points
A	5
B	4
C	3
Earned Credit or Passed the Course	
D	2
Not applicable	1

The Biology End-of-Course exam will begin with students who are in the 9th grade during the 2015-2016 school year.

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 that course in place of the grade level exams (i.e., students who take Algebra I in 8th grade will take the Algebra I End-of-Course exam instead of the Math 8 assessment).

Alternative Pathway

Students who do not earn the required number of graduation points on End-of-Course exams can still meet the requirements to earn a diploma by earning a remediation-free score on the ACT or SAT as listed below.

ACT Remediation-Free Scores

English	18
Mathematics	22
Reading	21

SAT Remediation-Free Scores

Critical Reading	450
Writing	430
Mathematics	520
Reading	450

These remediation-free scores are determined by Ohio’s university presidents and are subject to change. The Ohio Department of Education will administer either the ACT or SAT to all 11th grade students beginning with the graduation class of 2018 and beyond. This exam will be administered one time to all juniors free of charge beginning in 2016-2017 school year.

HIGH SCHOOL PLACEMENT OF STUDENTS

In an attempt to place each student into the most challenging curriculum possible, the high school functions on achievement levels in some academic areas. Students are scheduled into two levels in the English, mathematics, science, and social studies areas.

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 will offer AP courses in the following areas for the 2016-2017 school year: Calculus, Chemistry, English (2 courses), French, Spanish, United States History, United States Government and Politics, European History, Music Theory, Physics, Biology, Statistics, Art History, and Studio Art. Students have also successfully taken the AP Examinations Environmental Science and Computer Science.

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.

AP Exams

All AP exams (except Studio Art) 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 \$92 for each exam taken. If you earn the required grade (usually 3 or higher) on an AP exam, you may receive up to eight semester hours or 12 quarter hours of college credit. Consult individual college placement offices about their policies.

EDUCATIONAL OPTIONS/ CREDIT FLEXIBILITY

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.

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. This plan enhances our current Educational Options program. 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. Educational Options and Credit Flexibility Plans must be approved prior to participation. Additional information and requirements about Educational Options and Credit Flexibility are available in the Office of Curriculum and Instruction and on the district website.

COLLEGE CREDIT PLUS (CCP) Replaced the Postsecondary Enrollment Options Program

HB 487 transitioned the Post Secondary Enrollment Options (PSEO) program to College Credit Plus (CCP) as Ohio's new 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 program has been extended to include the summer session. The CCP school year runs from June through May, therefore, a student may take courses in 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 associated with private institutions or 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 1st each year for students in grades six through eleven. In order to participate in CCP during the 2016-2017 school year, interested students must submit an Intent to Participate form signed by both the student and the parent no later than April 1st each year. In addition, parents and students must participate in a counseling session that outlines the requirements and obligations of the district and the student by submitting a signed CCP Counseling Verification form prior to enrollment in a CCP course. It is the intent of the Ottawa Hills district that parents and students will attend the informational/counseling meeting scheduled in February each year. The CCP informational/counseling meeting for the 2016-2017 school year is scheduled for February 18, 2016, at 7:00 p.m. in the high school library.

The school district is under no obligation to modify the master schedule or to arrange the scheduling of courses and/or extra-curricular and athletic programs to accommodate student participation in the CCP program. Students should plan their full year of courses, including any CCP courses to be taken, prior to the beginning of the school year. Students may not drop a year-long course at semester to take College Credit Plus (CCP) courses.

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

- Determine student's number of high school only units of credit;
- Multiply that number by 3; and
- Subtract that result from the number 30 (equivalent of a full-time college schedule).
- 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 (21 hours based on the formula) may take a total of 9 college credit hours ($30 - 21 = 9$) in addition to their Ottawa Hills schedule. These 9 college credit hours may be taken over summer, winter, and spring sessions. See the table below for detail about the course load at Ottawa Hills and the college or university to maintain full-time status for CCP students. When the guidance office approves CCP courses for a student, it will adjust the student's course load at Ottawa Hills according to the following table.

Number of CCP College Credit Hours Registered Over Three Sessions (Summer, Fall, Spring)	Average Number of Ottawa Hills Courses Required Over Two Semesters Beginning in the Fall 2016	TOTAL HOURS
5-6	8 (equivalent to 24 hours)	29-30
7	7.5 (equivalent to 22.5 hours)	29.5
8-9	7 (equivalent to 21 hours)	29-30
10	6.5 (equivalent to 19.5 hours)	29.5
11 - 12	6 (equivalent to 18 hours)	29-30
13	5.5 (equivalent to 16.5 hours)	29.5
14 - 15	5 (equivalent to 15 hours)	29-30
16	4.5 (equivalent to 13.5 hours)	29.5
17 - 18	4 (equivalent to 12 hours)	29-30
19	3.5 (equivalent to 10.5 hours)	29.5
20 - 21	3 (equivalent to 9 hours)	29-30
22	2.5 (equivalent to 7.5 hours)	29.5
23 - 24	2 (equivalent to 6 hours)	29-30
25	1.5 (equivalent to 4.5 hours)	29.5
26-27	1 (equivalent to 3 hours)	29-30
28	.5 (equivalent to 1.5 hours)	29.5
29 - 30	0	29-30

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 earning 3 or 4 college credit hours of credit will also earn 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.

Detailed information about the College Credit Plus program is available on the district website and the Ohio Department of Education website, or through the Guidance or Curriculum Offices.

WORK-STUDY PROGRAM

The Work-Study Program is an option for those students, grades nine through twelve, who are being served through an Individualized Educational Program (IEP). The IEP must reflect the students' participation in Work-Study, and specific requirements must be met in accordance with district policy for a Work-Study credit.

The purpose of the program is to help the student build a nucleus of employability skills. Students may earn up to one (1) unit of credit per year for in- school or community placement. No more than four (4) units of credit in the Work-Study Program may be applied toward minimum credit requirements for graduation unless a waiver of this restriction is granted by the superintendent or his/her designee.

Ottawa Hills Schools adhere to the Ohio Department of Education Division of Special Education, Work-Study Guidelines. The Work-Study Program is coordinated by the Educational Service Center of Lake Erie West staff members.

DIPLOMAS

The Ohio legislature has established criteria for two levels of diplomas for high school students: Diploma and Diploma with Honors.

Criteria for Diploma

- Successfully complete high school curriculum requirements as prescribed by the school district;
- Demonstrate at least a tenth-grade level of literacy and basic competency by passing all required parts of the Ohio Graduation Test (or complete an alternate assessment as determined by IEP);
- Be ineligible for Diploma with Honors.

Criteria for Diploma with Honors

A student who completes the college preparatory curriculum in high school and passes all five parts of the Ohio Graduation Test must meet any seven of the following eight criteria to qualify for the Diploma with Honors:

- Earn four units of English;
- Earn four units of mathematics including Algebra I, Geometry, Algebra II, and another higher level course or a four-year sequence of courses that contain equivalent content;
- Earn four units of science including physics and
- Earn four units of social studies;
- Earn either three units of one world language or two units each of two world languages;
- Earn one unit of fine arts;
- Maintain an overall high school grade point average of at least 3.5 on a four-point scale, up to the last grading period of the senior year;
- Obtain a composite score of 27 on the American College Testing Program's (ACT) tests or an equivalent composite score of 1210 Scholastic Assessment Test (SAT) excluding the optional writing test.

No student may be required to meet more than the established criteria nor shall any student be required to meet any one specified criterion.

Only one diploma may be awarded to any individual.

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 counselors.

EXTRA-CURRICULAR 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 extra-curricular activity based on board policy.

State law (HB 215) requires a minimum GPA for participation in extra-curricular activities. The Ottawa addition to existing criteria for eligibility, Students must achieve a minimum GPA of 1.75 at the end of each quarter to be eligible to participate in extra-curricular 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.

Ohio College Entrance Recommendation

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

- 4 credits of English
- 3 or 4 credits of Mathematics
- 3 credits of Social Studies
- 3 credits of Science
- 2 or 3 credits of World Language
- 1 credit of Fine Arts

Requirements are constantly changing and vary with colleges and universities. Therefore, it is essential to check with individual colleges and universities.

COLLEGE ENTRANCE EXAMS

Definitions

SAT Reasoning Test

Scholastic Assessment Test - A three-hour-and-45-minute reasoning test that measures critical reading, mathematical reasoning, and writing skills needed to be successful in college. This test is part of the total College Entrance Examination Board (CEEB) testing program.

SAT Subject Test

A one-hour achievement test in a specific subject area; i.e., biology, chemistry, mathematics, English literature, languages, etc. These tests are also part of the CEEB testing program and are best taken soon after completing the related course. Some colleges recommend or require these tests.

PSAT/NMSQT

Preliminary Scholastic Assessment Test/National Merit Scholarship Qualifying Test - A shortened version of the SAT Reasoning Test (about a two-hour test) and a good prediction of success on the SAT. It is required of all juniors. It is a requirement for the National Merit Scholarship when taken in the junior year. Sophomores may elect to take this as a practice experience. This test is given during the school day.

ACT American College Test - Covers English, mathematics, reading, and science reasoning. The ACT includes an optional writing section. Results of this test are reviewed for college admission.

AP Advanced Placement - Used to grant college credit for AP courses taken at the high school. Here at Ottawa Hills, they are available in French, Spanish, English (junior and senior), Calculus, Chemistry, Physics, United States History, United States Government and Politics, European History, Music Theory, and Studio Art (a portfolio is required). Other areas may be considered on an independent study basis.

When to Take College Entrance Exams

College entrance exams are very important and should be taken with more than casual interest due to the fact that all scores become a part of the student's permanent record. They should not be taken without some forethought and a plan for taking them. Listed below is such a plan.

Sophomores - All sophomores may choose to take the PSAT/NMSQT in October during the school day. They may also take specific SAT Subject Tests in the spring. The counselor and subject area teacher should be consulted if a student wishes to consider taking the SAT Subject Tests.

Juniors - All juniors will take the PSAT/NMSQT in October during the school day. The Ohio Department of Education will pay for one administration of the ACT or SAT (determined by the local school district) to be administered during the school day for all juniors beginning with the graduation class of 2018 to determine college readiness of students in the State of Ohio. Although the Ohio Department of Education will not send scores to selected colleges or universities, students may make those arrangements individually. Students may also choose to take the SAT, ACT, or both on a Saturday in the second semester of your junior year. SAT Subject Tests are also taken in the spring if they are needed. Please note that the SAT Reasoning Test and SAT Subject Tests cannot be taken on the same day. If appropriate, Advanced Placement (AP) tests may also be taken in May. Contact the counselor or subject area teacher before attempting these tests.

Seniors - Seniors may retake the SAT and ACT, if necessary, and/or SAT Subject Tests as determined by individual colleges or by consulting with the counselor. Please note that the SAT Reasoning Test and SAT Subject Tests cannot be taken on the same day. If appropriate, Advanced Placement (AP) tests may also be taken in May. Contact the counselor or subject area teacher before attempting these tests.

Information and application forms for all of these tests may be obtained in the Guidance Office. Students must register in advance to take any of these tests.

SUMMER SCHOOL

Summer school credits may be earned at other accredited high schools 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 grade point average. The purpose of summer school is to permit the make-up of subjects previously failed. Summer school courses may be taken at neighboring school districts. Information about summer school courses and locations will be available in the guidance office in May.

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/guardian.

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 in the spring of their sixth grade year. Parents are invited to attend an evening presentation where they have an opportunity to hear staff members discuss the curriculum and program. In August, all incoming seventh graders will be invited to attend a special orientation day for new students (see Junior High Orientation).

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

EIGHTH GRADE

During the eighth grade year, there will be two levels of achievement in mathematics through a system of teacher recommendations, test scores, and grades in previous courses.

There will be two levels of achievement in mathematics. There will be heterogeneous grouping in English, science, and social studies. Students who take high school level courses in the eighth grade (Algebra I, French I, or Spanish I) will receive high school credit that will apply toward fulfillment of the graduation requirements.

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, lockers, and other pertinent information. It ends with small group tours through the school so that the new students can locate their classrooms.

Transition meetings with 6th grade students, parents, teachers, and the junior high guidance counselor will be held to provide a smooth transition to the junior high.

STUDY SKILLS SUMMER WORKSHOP

Seventh graders will be invited to participate in a Study Skills Summer 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 the junior high. The workshop leaders consist of the junior high counselor and a junior high teacher 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.

COURSE OFFERINGS 2016-2017 GRADES 7 and 8

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

Junior High Art (one semester in either 7th or 8th grade; may be taken in both grades)¹

Music – Concert Band (full year)

– Junior High Choir (full year or semester; full year recommended)

Career Explorations/Keyboarding (one semester taken in either 7th or 8th grade, preferably 7th grade)²

Career Explorations (1 sem. required for all 8th grade students during 2017-2018 school year)²

STEM for Junior High (Science, Technology, Engineering, and Mathematics) (one semester in 7th grade and one semester in 8th grade)³

Life Skills (one semester in either 7th or 8th grade)

Junior High Digital Tools (one semester in either 7th or 8th grade, preferably 7th grade) – *Students who score at a proficient level on the Elementary Technology Skills Assessment are not required to take this course.*⁴

The following courses will be taken by students who meet the eligibility requirements based on grades and teacher recommendation.

Reading and Study Skills (one semester - based on teacher recommendation)⁵

Reading Enrichment (one semester - based on teacher recommendation)⁵

Algebra I Enrichment (full year – based on grades in PreAlgebra 7 and teacher recommendation)⁶

SEVENTH GRADE COURSES

Required

English 7

PreAlgebra (2 levels offered)⁶

General Science 7

Ancient World History 7

Health and Physical Education 7

Communicating in French and Spanish (1 sem.)

STEM for Junior High - 7 (1 sem.)

Assigned – Based on the student's schedule, he/she will be assigned to some of the following courses:⁷

Junior High Art (1 sem.)

Music

Concert Band (full year)

Junior High Choir (full year or semester; full year recommended)

Career Explorations/Keyboarding (1 sem.)

Junior High Digital Tools (1 sem.) – based on proficiency

Life Skills (1 sem. – can be taken in 7th or 8th grade)

Reading and Study Skills (1 sem.) – teacher recommendation

EIGHTH GRADE COURSES

Required

English 8

Algebra I (2 levels offered)⁶

General Science 8

Early American History 8

Health and Physical Education 8

STEM for Junior High - 8 (1 sem.)

Career Explorations (1 sem.)

Assigned – Based on what was taken at the 7th grade level, the student will be assigned to some of the following courses:⁷

World Language (recommended for 8th grade)

Spanish I (full year)

French I (full year)

Junior High Art (1 sem.)

Music

Concert Band (full year)

Junior High Choir (full year or semester; full year recommended)

Junior High Digital Tools (1 sem.) – if not taken in 7th

Life Skills (1 sem.) – can be taken in 7th or 8th grade

Reading Enrichment (1 sem.) – teacher recommendation

¹All students will take Art in either 7th or 8th grade; students may take Art at both grade levels (an 8th grade curriculum will be developed for students who take Junior High Art both years).

²All 7th grade students must take Career Explorations/Keyboarding in Junior High to meet the financial literacy requirements of the Ohio Core. It is preferred that students take this course in 7th grade, but it may be taken at either grade level. All 8th grade students in the 2016-2017 school year must take Career Explorations to meet the financial literacy requirements of the Ohio Core if they did not take the course as 7th graders.

³STEM for Junior High is required at both 7th and 8th grades.

⁴Junior High Digital Tools will be taken by students who did not achieve a proficient score on the Elementary Technology Skills Assessment. This course should be taken in 7th grade, but may be taken in 8th grade if unable to be scheduled during the 7th grade school year.

⁵Reading and Study Skills (7th grade) and Reading Enrichment (8th grade) are for students who may need additional reinforcement and practice in reading. Placement is by teacher recommendation.

⁶All 7th grade students will take PreAlgebra in 7th grade and Algebra I in 8th grade. There will be two levels of mathematics in each grade. If 7th grade students do not demonstrate the ability to be successful in Algebra I as 8th graders, they will also be placed in Algebra I Enrichment taken concurrently with Algebra I to provide support in this fundamental math course. Placement is based on grades earned in PreAlgebra and teacher recommendation.

⁷Any elective courses not scheduled in the 7th grade will be scheduled in the 8th grade.

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.

Study halls for junior high students are not recommended since students are encouraged to take electives. However, due to scheduling conflicts, students may occasionally be placed in a study hall.

NINTH THROUGH TWELFTH GRADE COURSES

During grades nine through twelve, all students will be required to take one-half unit (one semester) of Public Speaking, one unit (one year or two semesters) in Fine Arts, and one unit (one year or two semesters) of Computer/Technology Education or STEM. Courses that satisfy the Computer/Technology Education or STEM requirement are listed in page 37 of this document.

Students must take either Personal Finance or Economics to fulfill the financial literacy requirements of the Ohio Core legislation.

Ottawa Hills High School requires students to earn at least 24 credits for graduation (see Basic Graduation Requirements). Specific department requirements are indicated below.

AP = Advanced Placement course
 CCP = College Credit Plus course
 HR = Honors course
 * = Semester Course

ENGLISH/LANGUAGE ARTS

(4 years of English and 1 semester of Public Speaking required)

English I, II, III, IV
 HR English I, II
 AP English Language and Composition [AP English III]
 AP English Literature and Composition [AP English IV]
 Public Speaking*
 A Theater Experience*
 Advanced English/ARROWHEAD
 Advanced English/MESASA
 Introduction to Creative Writing*

WORLD LANGUAGES

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

MATHEMATICS (4 years required)

Algebra I
 HR Algebra I
 Geometry
 HR Geometry
 Algebra II
 HR Algebra II
 PreCalculus
 HR PreCalculus
 College Algebra
 Discrete Mathematics
 AP Calculus AB
 AP Statistics

COMPUTER/TECHNOLOGY EDUCATION

(1 year required - see p. 37 for choices)

Video Production*
 Broadcast Journalism I, II, III*
 Multimedia Creations I, II*
 Web Page Development I, II*
 CCP Technology Courses – (to be determined)

SCIENCE (4 years required)

Biology
 HR Biology
 AP Biology
 Zoology*
 Botany*
 Chemistry
 HR Chemistry
 AP Chemistry
 Physiology and Anatomy
 HR Physiology and Anatomy
 General Physical Science
 Physics
 HR Physics
 AP Physics 1

SOCIAL STUDIES (3 years required)

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

BUSINESS EDUCATION

Accounting
 Personal Finance*

STEM

CCP – Introduction to Computer Programming IST112*
 CCP – Introduction to Java IST265*
 AP Computer Science Principles
 Robotics I, II*
 Modeling & Simulation I, II*

HEALTH AND PHYSICAL EDUCATION

(1-1/2 years = 1 unit required)
 Physical Education
 Health Education*

FAMILY AND CONSUMER SCIENCES

Fashion Design I, II*
 A Chef's Delight*
 A Gourmet's Treat*
 International Foods*

FINE ARTS (1 year required)

2-D Discovery*
 Drawing and Painting*
 Digital Photography I, II, III*
 Jewelry I, II*
 Stained Glass I, II* Ceramics I, II*
 Graphic Design I, II
 Studio Art*
 AP Studio Art: 2-D Design*
 AP Studio Art: 3-D Design*
 AP Art History
 Symphonic Band*
 HR Symphonic Band*
 Concert Choir*
 HR Concert Choir*
 Music Technology*
 Music Theory I*
 AP Music Theory*

Course Descriptions

ART

1011 Junior High Art (1 semester, required during either 7th or 8th grades)

1012 8th grade if also taken in 7th grade

The goal of the junior high art program is to provide each pupil with the opportunity to learn, understand, and appreciate the art forms of historic and contemporary expression through drawing, painting, and three-dimensional art.

Lab fee: \$9

1030 2-D Discovery (1/2 credit, 1 semester, 9th - 12th grades)

2-D Discovery is designed to explore various media within the two-dimensional realm. Abstract paper collage, copper tooling, drawing, expressive painting, perspective, print making - an array of topics will be addressed to foster creativity. 2-D Discovery is an excellent introductory course for students interested in pursuing media-specific classes at the high school level. Students interested in Studio Art or AP Studio Art: 2-D Design are required to take either 2-D Discovery or Drawing and Painting.

Lab fee: \$18

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

Drawing is an essential skill that influences the decision-making and product of every artist. Throughout history painting has influenced art movements, religion, politics, décor, and much more. This course will explore drawing and painting techniques and media including graphite, charcoal, ink, watercolor, oil, and acrylic on various surfaces. Students interested in Studio Art or AP Studio Art: 2-D Design are required to take either 2-D Discovery or Drawing and Painting.

Lab fee: \$23

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.

Lab fee: \$18

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.

Lab fee: \$18

Prerequisite: Digital Photography I

1042 Digital Photography III (1/2 credit, 1 semester, 11th - 12th grades)

Advanced topics in Digital Photography III include series photographs, persuasion, conceptual work, commercial photography, time exposure, and extending photographic images with artwork.

Lab fee: \$18

Prerequisite: Digital Photography II

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. The class will concentrate on lost wax casting in sterling silver, etching, and fabrication methods using selected metals and found objects. Students will generate original designs to create wearable 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.

Lab fee: \$40

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.

Lab fee: \$40

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.

Lab fee: \$40

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.

Lab fee: \$40

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.

Lab fee: \$32

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

Advanced ceramics students will focus on creating functional clay sculpture and improving throwing skills on the potter's wheel. Additional emphasis will be placed on design techniques, construction, and surface decoration.

Lab fee: \$32

Prerequisite: Ceramics I

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

Students will learn to use the elements and tools of Graphic Design to effectively communicate with visual materials. They will use their imaginations and gain

new computer skills to create logos, business cards, package designs, stationery, signage, magazine layouts, and movie posters. Adobe Illustrator, Photoshop, and InDesign are used separately and in combination to make art that really speaks! Graphic Design Students gain a keen awareness of contemporary visual culture.

Lab fee: \$18

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.

Lab fee: \$18

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 concentrations 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.

Lab fee: \$25 per semester

Prerequisite: Teacher recommendation, 2-D Discovery or Drawing and Painting

1053 AP Studio Art: 2-D Design (1/2 credit, 1 semester, 12th grade)**1054 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 breadth, quality, and a topic concentration will be submitted to The College Board at the end of the year for scoring.

Lab fee: \$25 per semester

The cost to submit an AP Studio Art 2-D Design portfolio is currently \$92.

Prerequisite: Teacher recommendation, 2-D Discovery or Drawing and Painting

1056 AP Studio Art: 3-D Design (1/2 credit, 1 semester, 12th grade)
1057 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 breadth, quality, and a topic concentration will be submitted to The College Board at the end of the year for scoring.

Lab fee: \$32 per semester
 The cost to submit an AP Studio Art 3-D Design portfolio is currently \$92.
 Prerequisite: Teacher recommendation, Ceramics I or Jewelry I.

1070 AP Art History (1 credit, full year, 9th – 12th grades)

AP Art History is a survey course exploring the nature of art, art making, and responses to art. By investigating specific course content of 250 works of art characterized by diverse artistic traditions from prehistory to the present, students develop in-depth, holistic understanding of the history of art from a global perspective. Students become active participants in the global art world, engaging with its forms and content. Students will experience, research, discuss, read, and write about art, artists, art making, responses to, and interpretations of art.

Lab fee: \$15
 Students who plan to take the Advanced Placement examination in Art History will pay the AP exam fee (currently \$92).

BUSINESS EDUCATION

0821 Career Explorations (1 semester, required for all 8th grade 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. Community resources will be utilized through guest speakers.

0825 Career Explorations/Keyboarding (1 semester, required for all Junior High students beginning with the graduation class of 2022)

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.

0840 Accounting (1 credit, full year, 10th - 12th grades)

Accounting is the language of business. This course covers the basic concepts of double-entry accounting and fundamental practices of maintaining journals, ledgers, and preparing financial statements. The second semester provides a comprehensive review of the principles and practices learned in the first semester. 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.

Purchase of workbook and simulation required.
 Fee: approximately \$23

0844 Personal Finance (1/2 credit, 1 semester, 10th - 12th grades, with priority given to juniors and seniors)

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.

Purchase of workbook required.
 Fee: approximately \$5

COMPUTER/ TECHNOLOGY EDUCATION

CCP Technology Courses (1 semester, 9th – 12th grades) 1 unit of high school credit and 3 college credit hours through Owens Community College

CCP technology courses in the areas of web design and computer concepts and applications will be offered during the 2016-2017 school year. Details are not available at the time of publication of this Curriculum Guide. Students should express their interest during scheduling.

0720 Junior High Digital Tools (1 semester, for junior high students who were not proficient on the Elementary Technology Skills Assessment, beginning with the Class of 2022)

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. Students will learn productivity skills, including word processing, presentations, and spreadsheets using various software packages, as well as appropriate Internet safety and acceptable use of technology at Ottawa Hills.

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

During this course, students will create their own movies using original footage shot with a camcorder, and edited with the video editing software Final Cut Pro. Students will learn how to tell a story, learn the basics of camera shots, and how to use a camcorder, 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, commercial, news story, an interview, and more. Group projects may be part of the course. Having a camcorder or digital video camera is recommended, but not required. Time must be spent outside of class to plan for and acquire raw footage for projects.

Computer lab fee: \$10

0740 Broadcast Journalism I (1/2 credit, 1 semester, 10th-12th grades)

0745 Second semester

Students enrolled in Broadcast Journalism I will learn how to gather and analyze information, and write news

and features for broadcast. 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 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.

Computer lab fee: \$5 per semester
Each student must provide his/her own SDHC Card (Class 6 or above)

Prerequisite: Video Production
Enrollment by permission of the instructor.

In order to enroll in Broadcast Journalism I for second semester, students must successfully complete semester one of Broadcast Journalism I.

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.

Computer lab fee: \$5 per semester
Each student must provide his/her own SDHC Card (Class 6 or above)
Prerequisite: Broadcast Journalism I
Enrollment by 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.

Computer lab fee: \$5 per semester
Each student must provide his/her own SDHC Card (Class 6 or above)
Prerequisite: Broadcast Journalism II
Enrollment by 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 on DVDs. Projects may include motion graphics, digital photo album, original audio creation, stop motion animation, and more.

Computer lab fee: \$5

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.

Computer lab fee: \$5

Prerequisite: Multimedia Creations I

0738 Web Page Development I (1/2 credit, 1 semester, 9th - 12th grades)

This semester course uses the computer along with computer software packages to build web sites and make web pages come alive with color, graphics, sound, and animation. Students will learn Hypertext Markup Language (HTML) and will use computer software to create their sites. Adobe Photoshop will be used for graphic creation, basic animation, and photo editing. The goal is for students to create attractive, professional- looking sites for the World Wide Web. Time will be spent learning about appropriate and effective design, formatting, and layout of a web page.

Computer lab fee: \$5

0739 Web Page Development II (1/2 credit, 1 semester, 9th - 12th grades)

This course is a continuation of Web Page Development I. Students will continue to advance their skills in a computer lab setting. Web Page Development II students will use software such as Dreamweaver and Flash and will also explore the use of advanced HTML. They will create web graphics using Adobe Photoshop.

Computer lab fee: \$5

Prerequisite: Web Page Development I

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

Semester

See course description under STEM.

1350 CCP – Introduction to Computer Programming IST112 (1 semester, 9th – 12th grades)

1 unit of high school credit and 3 college credit hours through Owens Community College

See course description under STEM

1360 CCP – Introduction to Java IST265 (1 semester, 9th – 12th grades)

1 unit of high school credit and 4 college credit hours through Owens Community College

See course description under STEM

ENGLISH/LANGUAGE ARTS**NOTE REGARDING ENGLISH HONORS:**

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.

0121 English 8

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.
Student Fee: \$10.00

0131 English I (1 credit)

This course will focus on the exploration of various literary genres (both fiction and nonfiction), grammar/usage review and reinforcement, vocabulary work, and extensive work in writing skills using MLA format and use of citations.

Supplemental reading material purchase will be necessary.

0130 HR English I (1 credit)

This course features an extended scope of literature, both classical and contemporary; more mature reactions to literature (both fiction and nonfiction) and literary analysis in essay tests; extensive work in writing skills and vocabulary; and grammar and usage review. Students should have advanced critical thinking and writing skills with knowledge of MLA format and use of citations.

Students are required to purchase or otherwise acquire paperback books by the beginning of the second quarter.

Prerequisite: Teacher recommendation from 7th and 8th grades and exceptional writing skills.

0141 English II (1 credit)

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.

Workbook required. Fee: \$12
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.

0140 HR English II (1 credit)

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 the junior year.

Workbook required. Fee: \$12.00

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.

**APPLICATION FOR
ADVANCED PLACEMENT (AP)**

AP English Language and Composition
[AP English III]

AP English Literature and Composition
[AP English IV]

Students in the Advanced Placement English program at Ottawa Hills High School in grades eleven and twelve pursue studies equivalent to those on the freshman college level. Advanced Placement is a two-year program designed to culminate in the taking of and successful performance on the Advanced Placement Tests in English Language and Composition and in English Literature and Composition given at the end of each of those years.

**CRITERIA FOR ACCEPTANCE INTO
THE PROGRAM INCLUDE
ALL OF THE FOLLOWING:**

- Students must be earning an A or B in Honors English or an A in English to be considered.
- Students must have the recommendation of their current English teacher.
- Students will be expected to maintain quality grades for the remainder of the year after recommendation.
- Students will be expected to take the AP exam in the spring unless a waiver is given by the teacher. (Current cost: \$92)

Applications for AP English Language and Composition [AP English III] will be available from sophomore English teachers at the beginning of the second semester prior to registration for junior English courses.

0151 English III (1 credit)

This course is primarily a paperback study of American literary concepts illustrating the historical, social, religious, and cultural heritage. Writing assignments are chiefly expository, experience- and literature-based. Numerous options to facilitate decision-making ability and independent effort are included. Large and small group work is featured. Vocabulary is stressed. Review for SAT/ACT is included. An individualized reading program is an important feature.

Student Fee: \$5

Students are required to purchase seven paperback books. 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.

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

This junior level course provides an in-depth survey of American literary concepts with history, religion, and culture. Writing assignments include short essays, longer critical papers - literature based, and comparative papers - literature based. Class structure varies: large group/small group work as well as student initiated projects. Features of the course are an extensive vocabulary review, syntax review for writing polish, review for SAT and ACT, preparation for the AP English Language and Composition Test, and an individualized reading program.

Student Fee: \$15.00

Students are required to purchase seven paperback books. 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.

Students who plan to take the Advanced Placement examination in English will pay the AP test fee (currently \$92).

0161 English IV (1 credit)

English IV is an introduction to the humanities through the primary lens of literature, focusing on the performing arts, visual arts, and cultural expressions from around the world. Students will explore and evaluate why the encountered cultural pieces endure. Students will also read nonfiction pieces that clarify the humanities both now and in the past. Writing experience will follow the elements of narration, literary analysis, and persuasion/argumentation. Students will also be guided through the composition of their college essays. Vocabulary acquisition will continue with emphasis on college preparatory words and our discipline specific lexicon.

Students will be expected to purchase several paperbacks books.

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 a 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.

It is recommended that students purchase or otherwise acquire five supplemental paperback books. Students who plan to take the Advanced Placement examination in English Literature and Composition will pay the AP test fee (currently \$92). Prerequisite: Recommended AP English Language and Composition [AP English III]

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

This is a one-semester course offered both semesters each year. Public Speaking is designed to introduce students to oral and non-verbal communication techniques. Various speeches are presented by students throughout the semester including, but not limited to the following: Demonstrative, Persuasive, Informative, Impromptu, Problem-solving, and Pantomime. The course is performance-based, and all students will come out of the semester course with increased confidence in their speaking ability.

0143 A Theater Experience (1/2 credit, 1 semester, 10th - 12th grades)

An extension of the Public Speaking course, A Theater Experience introduces students to Russian philosopher Constantin Stanislavski's view of acting. Stanislavski's "system" offers both a means of mastering the craft of acting and of stimulating the actor's individual creativity and imagination. Additionally, the "magic if," "emotional memory," and the "unbroken line" help actors achieve theatrical truth. Furthermore, students will be required to attend and evaluate two theatrical performances and to participate in theatrical competitions.

This course may be taken twice for credit. Each time students take this course different expectations will be presented.

Student Fee: \$21

Prerequisite: Public Speaking and an audition/interview required.

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. 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, produce, and solicit funds for the high school yearbook. 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. Not accepting responsibilities, failure to meet deadlines, and/or lack of cooperation with other staff members will result in dismissal from this staff. An extensive amount of additional work and time out of class will be required to produce a quality publication.

Prerequisite: Enrollment by permission of the instructor. 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.

READING

0211 Reading and Applied Study Skills (1 semester, 7th grade, by teacher recommendation)

During this course, students learn a process of finding and implementing solutions to problems, and focus that process on problems related to reading and study skills. Students learn how to work effectively in groups, identify fruitful research topics, evaluate primary and secondary sources, actively read complex informational text, and present their findings in various formats. Research topics are driven by student needs but typically include learning styles, reading comprehension of informational text, time management, test preparation, and vocabulary expansion. 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, 8th grade, by teacher recommendation)

In addition to preparing for state assessments, students who take this course will develop a deeper understanding of the reading experience. They will practice expressive reading, identify universal conflicts and themes from a wide variety of written works, and apply a critical thinking process to genre studies. Those genres include book-length works of fiction and nonfiction, short stories, essays, poetry, drama, and more (including some unusual, everyday genres like song lyrics and t-shirts). Students will also make textual, visual, and auditory connections to what they read, making the reading experience cross over into various expressive media and learning modalities.

1231 Fashion Design I (1/2 credit, 1 semester, 9th - 12th grades)

This course introduces students to the study of fashion, fabrics, and basic construction of apparel pieces. The students will learn basic sewing skills and construct several projects of their choice. Knitting and/or needlework will also be included in this course.

Lab fee: \$10. Students are required to purchase their own patterns and materials.

1241 Fashion Design II (1/2 credit, 1 semester, 10th - 12th grades)

This is an advanced fashion course for the student who has mastered basic sewing skills. This course will offer the student the opportunity to further explore their creativity and expand their knowledge of fashion, fabrics, and clothing construction. Advanced sewing skills and knitting/needlework will be covered in this course.

Lab fee: \$10. Students are required to purchase their own patterns and supplies.

Prerequisite: Fashion Design I

1233 A Chef's Delight (1/2 credit, 1 semester, 9th - 12th grades)

This course is designed to prepare the student to become self-sufficient in the kitchen. The content of this course will include food preparation methods that are utilized in the following units: Dairy, Meat, Eggs, Fruits, Vegetables, Breads, and Baked Goods. Nutrition and wellness practices will be emphasized.

Lab fee: \$15

1243 A Gourmet's Treat (1/2 credit, 1 semester, 10th - 12th grades)

This is a course in advanced food preparation and creative cooking. This is for the student who has prior knowledge of foods, nutrition, and basic cooking skills. Preparation techniques for appetizers, soups, salads, breads, crepes, soufflés, cakes, and other desserts will be taught. Nutrition and wellness practices will be emphasized.

Lab fee: \$20

Prerequisite: A Chef's Delight or instructor's permission.

FAMILY AND CONSUMER SCIENCES

1211 Life Skills (A one-semester exploratory course taken in either 7th or 8th grade)

This course introduces students to basic topics in Family & Consumer Sciences including foods, nutrition, sewing and laundry. The junior high student will learn to sew by hand and machine through the construction of several projects. Clothing care and laundry will also be covered. The student will explore the area of foods and nutrition and will learn the basics of cooking in the foods lab.

Lab fee: \$10 to cover foods labs. There will be additional costs to cover sewing projects.

1244 International Foods (1/2 credit, 1 semester, 10th - 12th grades)

This is an advanced food course for the student with prior knowledge of foods, nutrition, and basic cooking skills. The main focus is to explore how climate, geography, and culture have influenced the food customs of the United States and a variety of foreign countries. The majority of the course is spent in the lab preparing foods from the country.

Lab fee: \$20

Prerequisite: A Chef's Delight or instructor's permission.

HEALTH AND 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
PreAlgebra	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
PreCalculus	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 morning from 7:35 a.m. to 8:00 a.m. and at lunch from 11:35 a.m. to 12:00 noon on three (3) out of the four (4) days determined by the rotating schedule. Students are also welcome to work on homework during this time. The rotating schedule will be posted.

0010 PreAlgebra 7

This course is designed to prepare 7th grade mathematics students for Algebra I in the eighth grade. PreAlgebra 7 focuses on rational numbers, measurement, probabilities, geometry, introduction to linear functions, graphing, and other prealgebra topics. A scientific calculator is required.

0015 HR PreAlgebra 7

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.

0035 Algebra I Enrichment 8 (8th grade)

This course is required for students who demonstrated incomplete acquisition of the foundational skills that are taught in PreAlgebra. Eligibility is determined by grades in PreAlgebra and teacher recommendation. Algebra provides the structure upon which ideas in mathematics are built and developed, and a solid understanding of algebraic thinking is necessary for success in the Ottawa Hills mathematics curriculum required for graduation. Designed to supplement and be taken concurrently with Algebra I, this course is intended to provide additional support and practice essential to future achievement in mathematics.

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: PreAlgebra

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 PreAlgebra 7 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 introduced. 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 PreCalculus (1 credit, full year, 11th-12th grade)

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: College Algebra or an achievement level of “B” or above in Algebra II.

0050 HR PreCalculus (1 credit, full year, 11th-12th grades)

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

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

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

This 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 and to the extension of that knowledge into domains not normally addressed in the traditional secondary mathematics sequence. Topics include social choice, statistical reasoning and decision analytics, networks and management science, and symmetry and dimension.

Prerequisite: Algebra II

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. Current AP test fee is \$92. A graphing calculator is required.

Prerequisite: Recommendation of PreCalculus teacher.

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

This course is an extension of Algebra II topics with emphasis on functional analysis and introductory trigonometry. College Algebra prepares students for college PreCalculus.

Prerequisite: Algebra II

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

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 will introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will be exposed to four broad conceptual themes: Exploring Data, Sampling and Experimentation, Anticipating Patterns, and Statistical Inference. 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. Current AP test fee is \$92. A graphing calculator is required.

Prerequisite: An achievement level of "C" or above in Algebra II and teacher recommendation.

MUSIC**1111 Concert Band
1112 (full year 7th or 8th grades)**

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.

Prerequisite: Consent of the director.

Students using a school-owned instrument will be assessed a \$20 instrument usage fee.

**1113 Junior High Choir (full year or one semester)
1114 7th or 8th grades**

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;
1132 9th - 12th grades)**

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.

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

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.

**1141 HR Symphonic Band (1 credit, full year;
1142 10th - 12th grades)**

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.
- Student 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, is 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.

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
1165 credit, full year recommended; 9th - 12th grades)**

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 group's expertise. It is highly recommended that High School Concert Choir be taken as a full year course.

Robe cleaning fee: \$8 per student

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

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.

**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.

**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.

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 \$91.

Prerequisite: Music Theory I

scientific process, classification, evolution, energy, cell structure and function, viruses, bacteria, photosynthesis, cellular respiration, DNA and RNA, DNA technology, genetics, and ecology. In Honors Biology, students are expected to complete extensive projects that emphasize the scientific research process while collecting multiple data points over extended periods of time. Students are expected to complete a science fair project to be presented in February as a requirement of HR Biology.

Prerequisite: Teacher recommendation
Lab Fee: \$18

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 on the four “Big Ideas” of Biology as described by The College Board. The main content of these four “Big Ideas” are evolution, cells, genetics, and ecology. This is lab-intensive course that 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. Students enrolled in this course are expected to take the AP Biology exam. Current AP test fee is \$92.

Prerequisite: Teacher recommendation, Algebra I, and Chemistry (can be taken concurrently with Chemistry)

Lab Fee: \$18

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

This course will concentrate on the studies of animals, their structures, classifications, functions, adaptations, and behaviors. Students will dissect several animal species, complete an insect collection, and observe live animals in a lab setting.

Lab fee: \$7
Prerequisite: Biology

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

This course will concentrate on the studies of plant life and their structures, functions, classifications, behaviors, and special adaptations. Laboratory activities and experiments will accompany each unit. Students will also complete a research project.

Lab fee: \$4
Prerequisite: Biology

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.

Lab fee: \$5

0425 General Science 8 (8th grade)

This course will focus on 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).

Lab fee: \$6

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, energy, cell structure and function, viruses, bacteria, photosynthesis, cellular respiration, DNA and RNA, genetics, and ecology.

Lab Fee: \$18

0430 HR Biology (1 credit, 9th grade)

Honors 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

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

This course focuses on a detailed study of the structure and function of the systems of the human body. Lab activities will accompany all areas of study and include inquiry of body functions, examination of tissues, examination of the various body systems, and dissection of a cat. The dissection of a cat will last approximately three months and cover the major systems and organs of the body.

This course is designed for all students interested in life sciences, particularly those associated with the human body. It is recommended for those considering biological sciences or medical professions as a career such as physicians, pharmacists, physical education majors, and zoologists. However, it is a practical and beneficial course for any person wishing to learn about the human body.

Lab fee: \$12

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.

Lab fee: \$12

Prerequisite: 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.

Lab fee: \$18

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

0440 HR 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. Students will be involved in numerous laboratory investigations, will learn proper lab technique, and how to safely operate various lab equipment. This honors course is similar to regular Chemistry but is faster-paced, and explores chemistry concepts in greater depth.

Lab fee: \$18

Prerequisite: Must be taking Algebra II concurrently or have already taken Algebra II with a "B" or better.

0470 AP Chemistry (1-1/2 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 structure of matter, kinetics, and thermodynamics. Success in this course requires a strong mathematics background. Students enrolled in this course are expected to take the AP Chemistry exam. Current AP test fee is \$92.

Lab fee: \$18

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

0453 General Physical Science (1 credit, 11th - 12th grades)

This is a basic lab-oriented physical science course covering selected topics in chemistry and physics.

Lab fee: \$8

Prerequisite: Permission of the instructor. Students with credit for Chemistry are not eligible for this course.

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, acoustics, optics, and electricity.

Lab fee: \$8

Prerequisites: Algebra II, Chemistry, and recommendation of the Chemistry teacher. Previous or concurrent enrollment in PreCalculus 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.

Lab fee: \$8

Prerequisites: PreCalculus or HR PreCalculus, Chemistry or HR Chemistry, and recommendation of the Chemistry teachers. Previous or concurrent enrollment in AP Calculus is strongly encouraged.

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

AP Physics 1 meets for a two-period block plus Early-Bird Labs and is taken concurrently with HR Physics. This course is designed to prepare students for the content found on the AP Physics 1 exam. Additional labs, problems, and all topics from the AP Curriculum are included. Students are expected to take the exam in May, and successful completion (earning a 3 or above) 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, the class must be taken concurrently with Honors Physics, and meets during the Early Bird before-school lab period.

Students enrolled in this course are expected to take the AP Physics 1 exam. Current AP test fee is \$92.

Lab fee: \$18

Prerequisite: Teacher recommendation

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 chronologic 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 required 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 required 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 high expectations. There will also be an additional project each quarter for honors students.

Summer reading and writing required.

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

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

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

This required course examines the history of the United States of America from 1877 to the present. The federal republic has withstood challenges to its national security and expanded the rights and roles of its citizens. The episodes of its past have shaped the nature of the country today and prepared it to attend to the challenges of tomorrow. Understanding how these events came to pass and their meaning for today's citizens is the purpose of this course. 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. 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.

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

This required course examines the history of the United States of America from 1877 to the present. The federal republic has withstood challenges to its national security and expanded the rights and roles of its citizens. The episodes of its past have shaped the nature of the country today and prepared it to attend to the challenges of tomorrow. Understanding how these events came to pass and their meaning for today's citizens is the purpose of this course. 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. 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 will reflect this more demanding approach, as students work with high expectations.

Summer reading and writing required.

Prerequisite: "A" in previous social studies course or Social Studies teacher recommendation. Students will take a state-mandated comprehensive end-of-course exam.

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.

Additional expense may include one supplemental text. Approximate cost: \$15

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.

0561 United States 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.

0560 AP United States Government and Politics
[AP America Government]
(1 credit, 1 year, 11th grade)

This course provides 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. Additional expenses may include supplemental texts and workbooks. The cost of the AP exam is currently \$92.

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

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 in this class will be required to use data analysis,

demonstrate written comprehension and research (including a research paper and/or class debates), and experience role-playing applications.

This course is offered in odd years (i.e., 2017-2018, 2019-2020, and 2021-2022).

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: introduction to psychology, 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., 2016-2017, 2018-2019, and 2020-2021).

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. This course is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials in United States history. In addition to a chronological coverage of the facts of our history, students will also experience the economic, cultural, intellectual, and social history of our nation, in addition to political-constitutional and diplomatic history. The student will experience practice in analysis of historical evidence and its interpretation and in 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 United States History.

This course is offered in odd years (i.e., 2017-2018, 2019-2020, and 2021-2022).

Summer reading and writing is required. Additional expenses may include supplemental texts and workbooks. The cost of the AP exam is currently \$92.

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., 2016- 2017, 2018-2019, and 2020-2021).

Summer reading and writing will be required. Additional expenses may include supplemental texts and workbooks. The cost of the AP exam is currently \$92.

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

1321 STEM for Junior High – 8th grade (1 semester, required for all 8th graders)

This course continues the project-based curriculum designed to challenge and engage the natural curiosity and imagination of junior high students. Students will study the history of aerospace through hands-on activities, explore the science behind aeronautics, and use their knowledge to design, build and test a model glider. 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.
Lab Fee: \$5

1350 CCP – Introduction to Computer Programming IST112 (1 semester, 9th – 12th grades) 1 unit of high school credit and 3 college credit hours through Owens Community College

Introduction to Computer Programming is an introductory college level course that introduces the student to critical thinking concepts and problem-solving techniques integral to computer programming. This course introduces the student to basic computer concepts including program design, algorithms, control structures, data structures, and object-oriented programming (OOP) using Alice 3D programming environment.

This College Credit Plus 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.

Computer lab fee: \$5

Prerequisite: Algebra I and accepted for enrollment at Owens Community College

1360 CCP – Introduction to Java IST265 (1 semester, 9th – 12th grades) 1 unit of high school credit and 4 college credit hours through Owens Community College

Introduction to Java is a college level course that introduces object-oriented programming using Java with an emphasis on creating business-oriented application. Topics include methods events, decisions, loops, objects and classes, the user interface, inheritance, arrays and string manipulation.

This College Credit Plus semester course is a dual credit course taken for 1 unit of high school credit and 4 hours of transcribed college credit through Owens Community College.

Computer lab fee: \$5

Prerequisite: Introduction to Computer Programming IST112

STEM - Science, Technology, Engineering & Mathematics**1311 STEM for Junior High – 7th grade (1 semester , required for all 7th graders)**

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 trace the history, development, and influence of automation and robotics. They learn about mechanical systems, energy transfer, machine automation and computer control systems. Students use robotics to design, build and program a solution to solve an existing problem. They 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.

Lab Fee: \$5

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 mechanism. The course ends with a capstone project featuring competitive instructional strategies.

Computer lab fee: \$5
Prerequisite: Algebra

1332 Robotics II (1/2 credit, 1 semester, 11th-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.

Computer lab fee: \$5
Prerequisite: Robotics I and Algebra II

1341 Modeling & Simulation I (1/2 credit, 1 semester, 9th - 12th grades)

This course provides an overview and introduction to the field of Modeling and Simulation. Students will investigate the types of models and simulations and their potential application in industry. Students will systematically evaluate process models with real-world applications. Students will explore 3-D modeling using SolidWorks software.

Computer lab fee: \$5
Prerequisite: Algebra I

1342 Modeling & Simulation II (1/2 credit, 1 semester, 11th - 12th grades)

This course continues with the content learned in Modeling and Simulation I. Students will investigate programming as a component of this field using the Python programming language to develop a simulation. Students will complete a capstone project that will incorporate concepts of 3-D modeling, computer programming, and the engineering process.

Computer lab fee: \$5
Prerequisite: Modeling & Simulation I and Algebra II

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

This new AP 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 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.

Ottawa Hills has partnered with Cleveland State University in a National Science Foundation Grant to participate in the development of this new AP course by The College Board.

Students enrolled in this course are expected to take the AP exam. Current AP exam fee is \$92.

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 text required. 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 beginning the first week of school. Vocabulary and grammar are presented within a context that enables 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.

Workbook required.

Fee for materials: approximately \$17

Language Laboratory: Students are required to complete one language laboratory assignment per two lessons, or approximately one period every two weeks

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.

Workbook required.

Fee for materials: approximately \$17

Language Laboratory: Students are required to complete one language laboratory assignment per two lessons, or approximately one period every two weeks. 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.

Workbook required.

Fee for materials: approximately \$17

Language Laboratory: Students will be required to complete various language laboratory assignments throughout the year, or approximately one assignment every 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 almost exclusively 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.

Language Laboratory: Students are required to complete at least one language lab assignment per chapter. Prerequisite: HR French I

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.

Language Lab: 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.

Advanced Placement Test – currently \$91 for students who elect to take it.

Supplemental reading materials and workbooks required. Additional supplementary reading material purchase may also be recommended.

Fee for materials: approximately \$40

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.

Workbook purchase required and dictionary suggested.
Fee for materials: approximately \$16
Language Laboratory: Students are required to complete one language laboratory assignment per chapter, or approximately one period per two weeks.

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.

Workbook purchase required and dictionary suggested.
Fee for materials: approximately \$16
Language Laboratory: Students are required to complete two language laboratory assignments per chapter.
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.

Dictionary required.
Language Laboratory: 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, workbook purchase, and dictionary required.

Fees for materials: \$40 (used in Spanish IV and V)
Language Laboratory: Students are required to complete two language laboratory assignments per chapter.
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.
Advanced Placement Test – currently \$91 for students who elect to take it.

Language Laboratory: Students will be required to complete one language laboratory assignment per chapter.
Prerequisite: HR Spanish IV

0323 Chinese I (1 credit, 9th - 12th grades)

This course is an introduction to Mandarin Chinese including basic grammar, oral and written expression, and listening comprehension. Emphasis will be on dialogue and the introduction of basic simplified and standard Mandarin Chinese characters.

Language Laboratory: Students will be required to complete language laboratory assignments.

0333 Chinese II (1 credit, 10 - 12th grades)

This course will take the students to a more advanced level of Mandarin Chinese with more emphasis on grammar, oral and written expression, and listening comprehension. Dialogue is stressed as students expand their recognition of simplified and standard Chinese characters.

Language Laboratory: Students will be required to complete language laboratory assignments.

Prerequisite: Chinese I

0343 Chinese III (1 credit, 11 - 12th grades)

This course will continue with the advanced level of Mandarin Chinese in the areas of grammar, oral and written expression, and listening comprehension.

There will be more emphasis on reading as students continue with dialogue and recognition of simplified and standard Chinese characters.

Language Laboratory: Students will be required to complete language laboratory assignments.

Prerequisite: Chinese II

0353 Chinese IV (1 credit, 12th grade)

This course will continue with a more advanced level of Mandarin Chinese in the areas of grammar, oral and written expression, and listening comprehension. There will be greater emphasis on reading Chinese stories and writing as students continue with dialogue and recognition of simplified and standard Chinese characters.

Language Laboratory: Students will be required to complete language laboratory assignments as a regular part of the course requirement.

Prerequisite: Chinese III

COMPUTER/TECHNOLOGY EDUCATION GRADUATION REQUIREMENT

Courses listed in this section are offered through various departments. Titles are being listed here for the convenience of the student. These courses offered for 9th - 12th graders fulfill the one unit required for graduation.

- 0731 High School Computer Applications**
(1/2 credit, 1 semester, 10th - 12th grades)
- 0732 Video Production**
(1/2 credit, 1 semester, 9th - 12th grades)
- 0734 Computer Programming I**
(1/2 credit, 1 semester, 9th - 12th grades)
- 0735 Computer Programming II**
(1/2 credit, 1 semester, 9th - 12th grades)
- 0736 Multimedia Creations I**
(1/2 credit, 1 semester, 9th - 12th grades)
- 0737 Multimedia Creations II**
(1/2 credit, 1 semester, 9th - 12th grades)
- 0738 Web Page Development I**
(1/2 credit, 1 semester, 9th - 12th grades)
- 0739 Web Page Development II**
(1/2 credit, 1 semester, 9th - 12th grades)
- 0740 Broadcast Journalism I**
- 0745** (1/2 credit, 1 semester; 1 credit, full year;
10th - 12th grades)
- 0750 Broadcast Journalism II**
- 0755** (1/2 credit, 1 semester; 1 credit, full year;
10th - 12th grades)
- 0760 Broadcast Journalism III**
- 0765** (1/2 credit, 1 semester; 1 credit, full year;
10th - 12th grades)
- 1038 Graphic Design**
(1/2 credit, 1 semester, 9th - 12th grades)
- 1033 Digital Photography I, II, and III**
- 1041** (1/2 credit, 1 semester,
10th - 12th grades)
- 1042** (1/2 credit, 1 semester,
10th - 12th grades)
- 1140 Music Technology**
(1/2 credit, 1 semester, 11th - 12th grades)
- 1331 Robotics I**
(1/2 credit, 1 semester, 9th - 12th grades)
- 1332 Robotics II**
(1/2 credit, 1 semester, 11th - 12th grades)
- 1341 Modeling & Simulation I**
(1/2 credit, 1 semester, 9th - 12th grades)
- 1342 Modeling & Simulation II**
(1/2 credit, 1 semester, 10th - 12th grades)
- 0790 Computer Science Principles**
(1/2 credit, 1 semester, 9th - 12th grades)
- 7921 AP Computer Science Principles**
(1 credit, full year, 9th - 12th grades)
- 1350 CCP-Intro to Computer Programming IST112**
(1 credit, 1 semester, 9th - 12th grades)
- 1360 CCP-Intro to Java IST265**
(1 credit, 1 semester, 9th - 12th grades)

LIBRARY/MEDIA CENTER

The purpose of the Ottawa Hills Junior/Senior High School Library/Media Center (LMC) is to support the school curriculum using a variety of print and electronic resources as well as to create an atmosphere that encourages lifelong learning. The primary focus is on facilitating research skills, evaluating electronic and print sources, and encouraging independent reading. LMC hours are 7:00 a.m. to 4:30 p.m.

The LMC includes print material, computers, a computer lab, and the world language lab. Students and staff members may use the area as individuals or in small groups. Teachers may bring their classes in for instruction, research, and practice in the use of information access skills. Teachers and students may also check out materials.

Teachers, as members of the team, are involved in evaluating resources, planning library instruction, and motivating students to use the LMC. The LMC may provide specially designed instructional programs to coordinate with and supplement classroom learning units.

Students enrolled in a world language course will spend many hours in the world language lab completing supplemental assignments created by their teachers. The labs enhance students' understanding of a particular world language and contribute to their success in advancing to the next level of competency in listening and speaking.

During the junior high years (grades 7 and 8), the library instruction program lays the foundation for students to comfortably and confidently pursue independent research. Students learn the organization and resources of the LMC and develop skillful as well as ethical use of important reference materials such as the automated catalog, the Internet, on-line databases and periodical search services, encyclopedias, atlases, thesauri, and specialized dictionaries.

During the high school years (grades 9-12), students learn to master auxiliary reference sources and to refine information retrieval and evaluation techniques.

Within the school environment, the LMC provides students with a place where they can actively cultivate good research and reading habits and develop an interest in and enthusiasm for exploration and research. The library promotes individualization, inquiry, and independent learning for all students.

The ultimate goal of the Library Media Center program is not only to impart to students the necessary information literacy and technology search skills, but also to stress the major role libraries can play in their future through unlimited access to information sources, independent reading, and specialized services.

Ottawa Hills Junior High School Curriculum Planning Worksheet

Grades 7 and 8: In addition to the required/recommended courses listed, each of the following courses must be taken for at least one semester sometime during grades seven or eight:

- JH Art** (one semester in either 7th or 8th grade; may be taken in both grades)
- Music** – Concert Band (full year)
 - Junior High Choir (full year or semester; full year recommended)
- Life Skills** (one semester in either 7th or 8th grade)
- Career Explorations/Keyboarding** (one semester required in either 7th or 8th grade, preferably 7th grade, to meet the Financial Literacy requirements of the State of Ohio)
- Career Explorations** (Required for all 8th grade students in 2016-2017 to meet the Financial Literacy requirements of the State of Ohio unless taken in 7th grade.)
- Junior High Digital Tools** (one semester in either 7th or 8th grade, preferably 7th grade – Students who score at a proficient level on the Elementary Technology Skills Assessment are not required to take this course)⁴

The following courses will be assigned to students who meet the eligibility requirements based on grades and teacher recommendations:

- Reading and Study Skills** (one semester in 7th grade - based on testing and teacher recommendation)
- Reading Enrichment** (one semester in 8th grade - based on testing and teacher recommendation)
- Algebra I Enrichment** (full year taken concurrently with Algebra I – based on grades in PreAlgebra and teacher recommendation)

Based on availability, electives may be assigned.

Seventh Grade

English 7	Full Year
Mathematics	Full Year
General Science 7	Full Year
Ancient World History	Full Year
Health & Physical Education	Full Year
Communicating in French & Spanish	One Semester
STEM for Junior High - 7 th grade	One Semester
Career Explorations/Keyboarding	One Semester
JH Art	One Semester
Electives	Two Semesters

Eighth Grade

English 8	Full Year
Mathematics	Full Year
General Science 8	Full Year
Early American History	Full Year
Health & Physical Education	Full Year
World Language (recommended)	Full Year
STEM for Junior High – 8 th grade	One Semester
Career Explorations	One Semester
Electives	Two Semesters

Ottawa Hills Senior High School Curriculum Planning Worksheet

Grades 9 through 12: High school students must earn four credits in English, Mathematics, and Science; three credits in social studies; one credit each in fine arts and computer/technology or STEM; and one-half (1/2) credit each in public speaking, health, and physical education.

Students must take one-half (1/2) credit of either Personal Finance or Economics to meet the financial literacy requirements of Ohio Core.

In addition, all students must complete five (5) credits of electives. World language is not required for graduation; however, it is strongly recommended that all college-bound students take a minimum of three years of one world language or two years each of two world languages while in high school. One study hall is permitted per semester. All students must take at least seven classes each semester, which include four academic courses. Based on availability, electives may be assigned.

Ninth Grade

English I	(Full Year)	_____
Mathematics	(Full Year)	_____
Biology	(Full Year)	_____
Modern World History	(Full Year)	_____
Physical Education	(Full Year)	_____
Electives	(6 Semesters)	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Eleventh Grade

English III	(Full Year)	_____
Mathematics	(Full Year)	_____
Science	(Full Year)	_____
United States		_____
Government & Politics	(Full Year)	_____
Electives	(8 Semesters)	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Tenth Grade

English II	(Full Year)	_____
Mathematics	(Full Year)	_____
Science	(Full Year)	_____
Mod. American History	(Full Year)	_____
Health Education	(1 Semester)	_____
Electives	(7 Semesters)	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Twelfth Grade

English IV	(Full Year)	_____
Mathematics	(Full Year)	_____
Science	(Full Year)	_____
Academic Electives	(Minimum of 2 Semesters)	_____
Other Electives	(Up to 8 semesters)	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

