

Dear Student,

Course Selection is one of the most important decisions you will make while in high school. Careful course selection will guide you into a college or work training program, and ultimately the career of your choice. This handbook has been designed to help you make the best possible choices for class selections in your freshmen year. To see the complete Course Planning Guide, please visit the Olentangy Local Schools website at [www.olentangy.k12.oh.us](http://www.olentangy.k12.oh.us).

First, each of your teachers will recommend the next appropriate step in his or her department's course sequence and required coursework will be entered into the computer for you. Therefore, as a student, you can focus more specifically on selecting those elective courses that most interest you.

After both you and your teachers have had the opportunity to recommend course requests for next year, your parents will also be included and asked to verify that they agree with the course selections assigned.

Finally, as we complete this school year, your teachers and parents will both be given several opportunities to consult with you and make sure that the courses you've selected best fit your academic needs and interests.

You will soon have an individual scheduling appointment with a guidance counselor or administrator. If you have any questions, please ask. We are happy to help.

The High School Administration

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**GENERAL INFORMATION AND REGULATIONS**

**REQUIREMENTS FOR GRADUATION:** To graduate from the Olentangy Local School District, the following credits must be accumulated. For each student, the credits required in English, Social Studies, Science, Mathematics, Health, Physical Education, and Fine Arts are designed to provide a core liberal arts education. Additional units of credit may extend and broaden this education, or may be devoted to specialized vocational or academic work. (Pending Board of Education approval)

<b>CREDITS Class of 2017</b>	<b>REQUIRED COURSES</b>
<b>4.0</b>	<b>English</b>
<b>0.5</b>	<b>Health</b>
<b>4.0<sup>1</sup></b>	<b>Math</b>
<b>0.5<sup>2</sup></b>	<b>Physical Education</b>
<b>3.0<sup>3</sup></b>	<b>Science</b>
<b>3.0<sup>4</sup></b>	<b>Social Studies</b>
<b>1.0<sup>5</sup></b>	<b>Fine Arts</b> <b>Visual Arts courses;</b> <b>Performing Arts courses;</b> <b>Instrumental music</b> <b>Vocal music</b> <b>Theater</b>
<b>6.0</b>	<b>Electives</b>
<b>22</b>	<b>Total Credits Required for Graduation</b>

<sup>1</sup> Mathematics units must include one (1) unit of Algebra II or equivalent.

<sup>2</sup> Students may be exempt from the physical education requirement if they utilize the District physical education waiver policy. Another one-half (.5) credit course must be taken in its place.

<sup>3</sup> Science must include one (1) unit of physical sciences, one (1) unit of life sciences, and one (1) unit of advanced study in one or more of the following sciences: chemistry, physics, or other physical sciences; advanced biology or other life science; astronomy, physical geology, or other earth or space science.

<sup>4</sup> Students must earn credit in U.S. History, U.S. Government and Economics.

<sup>5</sup> Students must earn one (1) unit of Fine Arts (visual or performing arts) or otherwise satisfy the arts requirement of the Ohio Core by successfully completing two (2) semesters or the equivalent of Fine Arts in grades 7-12.

**COURSE RECOMMENDATION:** Olentangy teachers make course recommendations for all students using achievement test information, current and prior grade history, and personal knowledge of the student. Parents and students who disagree with a teacher's recommendation should follow the Course Parental Override Procedure outlined below.

**COURSE PARENTAL OVERRIDE:** Olentangy teachers make specific recommendations about which courses are most appropriate for their students using standardized achievement test data, current and previous course grade history, and specific knowledge of their students. If a student and her/his parents wish to take a course the student's teacher has not recommended, a course parental override conference must be held and an override form must be completed by the student and parent(s). If the student experiences difficulty in the course and wants to drop it, she/he may receive a "WF" (withdraw F) in the course.

**ATHLETICS ELIGIBILITY:** If a student plans to participate in athletic activities, the student must be enrolled in and passing five credits in each grading period (excluding P.E.). In addition, each student must earn a minimum G.P.A. of 1.50 per quarter. If not, that student will be ineligible to participate during the next grading period. Summer school grades, exam grades, semester grades and final course grades do not count toward eligibility. Only those grades earned in the previous quarter are used for eligibility purposes. For example, eligibility for first quarter participation is determined by fourth quarter grades from the previous school year.

**SCHEDULE CHANGE POLICY:** The following regulations will be followed:

- 1) Due to commitments for staff employment/assignments and the ordering of textbooks and other supplies, no schedule changes can be made after the last school day except for the following reasons:
  - A. Mechanical error changes.
  - B. Changes necessitated by failures.
  - C. Class balancing (guidance and administrative).
  - D. Subject-level changes (teacher recommendation).
  - E. Addition of a class in lieu of study hall the same period.
  - F. Administrative (teacher/guidance) recommendation.
- 2) If a student wishes to appeal the schedule change policy, the following steps will be adhered to:
  - A. Appeal Form must be obtained from the Student Services office.
  - B. Teachers, parents, and students must properly sign the Appeal Form.
  - C. The form must be returned to the Student Services office for consideration by the Appeal Committee.
  - D. The counselor will then notify the student of the committee's decision.
  - E. Schedule change appeals must be submitted by the end of the 25<sup>th</sup> day of the school year.
- 3) If a student is permitted to withdraw from a course after the beginning of the school year, the student may receive a withdraw pass "WP" or withdraw fail "WF" on his/her transcript.

**EDUCATIONAL OPTIONS PROGRAM:** The single purpose of the EOP program is to extend educational opportunities. It is not designed to provide community service, to give students work experience or allow them to earn money, or to serve any purposes of the school.

**CREDIT FLEXIBILITY OPTION** Olentangy recognizes that an effective educational program is one that provides opportunities for all students to customize aspects of their learning around needs and interests. The District Credit Flexibility Plan offers options enabling students to earn high school credit by: completing coursework or showing mastery of course content by completing activities and/or testing. Information detailing courses and procedures for credit flexibility are available in the guidance office or online at [www.olentangy.k12.oh.us](http://www.olentangy.k12.oh.us)

**INDEPENDENT STUDY** - an educational activity involving advanced or in-depth work by an individual student under the direction of a certificated member of the school staff. Independent Study options are not approved for courses that are offered during the regular school day.

### **POST SECONDARY ENROLLMENT OPTIONS**

Students with freshman, sophomore, junior or senior status may enroll full or part time in a post-secondary institution to take nonsectarian courses for high and/or college credit. A post-secondary institution or college is defined as any state-assisted college or university described in the Ohio Revised Code or any nonprofit institution holding a certificate of authorization. Students interested in post-secondary enrollment options (PSEO) must meet all of the following criteria:

- A) Attend a mandatory meeting with high school officials explaining the program.
- B) Apply to and attain acceptance from the college/university
- C) Meet a minimum grade point average required by the college

Students may choose option A; B; and C as their post-secondary experience:

**Option A:** Students may enroll in nonsectarian college courses for college credit only. The student is responsible for paying tuition, fees, textbooks etc.

**Option B:** Students may enroll in nonsectarian college courses for both high school and college credit. Under this option, the student's enrollment will be financed by the local school district if the course is completed. However the high school reserves the right to predetermine eligibility of a course for high school graduation requirements. For a college course to be counted as a required graduation credit, the student must get approval of the high school principal or designee before registering for the course. If the course is a five-semester hour course then one Carnegie unit of credit will be granted. Grades received in the courses elected for high school credit will be included in the G.P.A. and these credits will appear on the student's record.

**Option C:** Ohio law permits students, at their own expense, to take college classes and other enrichment courses while in high school. Students who take such courses may earn elective credit towards high school graduation. Students who desire high school credit must present an official transcript from an accredited high school or college/university indicating the course information, grade earned, and credit or university semester/quarter hours earned. The total credit earned, in Carnegie Units, and a grade of "P" will be placed on the student's high school transcript. Semester/quarter hours will be translated to Carnegie Units using the state of Ohio's PSEO criteria. The high school reserves the right to predetermine eligibility of a course for high school graduation requirements. For a college or enrichment course to be counted as a required graduation credit, the student must get approval of the high school principal before registering for the course.

### **PE WAIVER**

In accordance to Section 3313.603 of the Ohio Revised Code, students in grades 9-11 may be excused from all physical education course requirements by participating in District-sponsored interscholastic athletics, marching band, cheerleading, or JROTC for at least two seasons (or two full years for JROTC). Students in grade 12 who have not completed the waiver requirements or taken a physical education course, will be automatically enrolled in physical education their senior year. The Olentangy Local School board shall not require the student to participate in a physical education course as a condition to graduate. However, the student shall be required to complete one half-unit, consisting of at least 60 hours of instruction, in another course of study. Eligible students must complete the district PE Waiver Intent form before the start of the activity season. Forms are available at the District Central Office, high school guidance office, or on the district website.

### **ONLINE COURSES**

Olentangy offers some courses in an online format. Please speak with a building administrator or guidance counselor for more information about specific course offerings.

### **COURSE AUDIT**

In order to audit a course, a student must have received a "C-" or higher in the original course. No credit will be granted for audited courses. All course work is required and grades will be assigned. Signature of the classroom teacher is required.

### **COURSE RE-TAKE**

A student may re-take a course if s/he received a "D+" or below in the original course, or is recommended to do so by the teacher. The point value of the higher of the two grades (retake course grade or original grade) will be the only one averaged into the student's cumulative grade point average (GPA). However, the academic record of both courses will be reflected on the student's transcript. Credit for the course will not be duplicated. This retake policy applies only to classes offered through the Olentangy Local School District.

### **COLLEGE ADMISSIONS**

Those who intend to go to college should become aware of the entrance requirements of the college or university they wish to attend, and arrange their high school curriculum to meet these requirements. Students undecided about their choice of a college but who desire to be prepared for minimum admission standards should take the suggested college prep curriculum as defined by the Ohio Board of Regents (the governing board for all Ohio colleges and universities). The minimum college prep requirements are listed below. Number in ( ) represent the recommended number of units for strong preparation:

College Prep English	4 units
College Prep Mathematics	4 units
College Prep Science	3 (4) units
College Prep Social Science	2 (3) units
Same Foreign Language	2 (3) units
Visual or Performing Art	1 unit
Above Courses	1 additional unit

Students not fulfilling these requirements may be accepted on "conditional" admission. This may entail correcting deficiencies in their pre-college preparation or possibly completing various developmental courses. Please note: Colleges may increase the world language requirement for all majors. Therefore, students planning to attend college are encouraged to take three years of world language.

The above courses represent a **minimum** for most colleges and universities. Some will accept fewer credits and some will require more. It should be emphasized again that there is considerable variation in admission requirements. The appropriate college catalog or web page should be consulted for more information.

It should be pointed out that college admission cannot be assured simply by the accumulation of the required credits, but is dependent to a great extent on academic excellence. Also considered are such factors as ACT/SAT scores, participation in extra-curricular activities, recommendations from the school and enrollment in advanced placement and honors courses.

**CREDIT BELOW THE NINTH GRADE**

Olentangy Local Schools will award credit for "high school courses" taken prior to the ninth grade. In most instances, a grade of "P" (passing) benefits a student's cumulative grade point average. Therefore, students will receive a grade of "P" on their high school transcript for each high school course taken. If, prior to the end of the first semester of the student's senior year, the student and parent wish to change the "P" grade into an academic letter grade, the student and parent must request this change in writing. Upon written request, the "P" grade will be replaced with the final grade issued on the student's 8th grade report card.

Per Ohio law, students new to the district desiring such credit must provide their respective counselor the following documentation on their previous school's letterhead: 1) that the course which credit is being pursued was a high school course; and 2) that the course was taught by a teacher who held the appropriate secondary teaching license/certificate for the course. No courses, other than those listed above, will be accepted for credit.

Students electing to re-take any course will not receive high school credit or a grade for the course below the ninth grade.

**EARLY GRADUATION REQUIREMENTS**

Students desiring to accelerate their four-year high school academic program should contact the principal for approval. An *Early Graduation Request Form* obtained from Student Services should be completed prior to the parent/counselor/administrative conference.

**DIPLOMAS** – High School Academic Diploma with Honors - Students need to fulfill only 7 of the following 8 criteria:

<b>Subject</b>	<b>High School Academic Diploma with Honors</b>	<b>Career-Technical Diploma with Honors</b>
<b>English</b>	4 units	4 units
<b>Mathematics</b>	4 units, including Algebra I, Geometry, Algebra II or equivalent and another higher level course or a four-year sequence of courses that contain equivalent content	4 units, including Algebra I, Geometry, Algebra II or equivalent and another higher level course or a four-year sequence of courses that contain equivalent content.
<b>Science</b>	4 units, including physics and chemistry.	4 units, including 2 advanced sciences.
<b>Social Studies</b>	4 units	4 units
<b>Foreign Language</b>	3 units (must include no less than 2 units for which credit is sought) i.e., 3 units of one language or 2 units of each of two languages.	Not counted toward requirements.
<b>Fine Arts</b>	1 unit	Not counted toward requirements
<b>Career-Technical</b>	Not counted toward requirements, and may not be used to meet requirements	Now counted in Electives
<b>Electives</b>	Not counted toward requirements	4 units of Career-Technical minimum. Program must lead to an industry recognized credential, apprenticeship, or be part of an articulated career pathway which can lead to post secondary credit.
<b>Grade Point Average</b>	<b>3.5</b> on a 4.0 scale	<b>3.5</b> on a 4.0 scale
<b>ACT/SAT Score (excluding scores from the writing sections)*</b>	<b>27 ACT / 1210 SAT</b>	<b>27 ACT / 1210 SAT</b>
<b>Additional Assessment</b>	Not Applicable	Achieve proficiency benchmark established for appropriate Ohio Career-Technical Competency Assessment or equivalent.

\*Writing sections of either standardized test should not be included in the calculation of this score.

Diploma with Honors requirements pre-suppose completion of all high school diploma requirements in Ohio Revised Code including:

- ½ unit physical education
- ½ unit health
- ½ unit in American history
- ½ unit in government

**Regular diploma**

A diploma will be issued to students who meet all requirements of the State of Ohio and the Olentangy Board of Education for graduation.

**AWARDS AT GRADUATION:**

**Presidential Award for Educational Excellence**

This award was established to encourage students to achieve high academic standards by recognizing and rewarding them for educational excellence.

Selection criteria:

- A) Grade point average – Earn a cumulative grade point average of 3.5 on a 4.0 scale through the first semester of the senior year.
- B) Standardized Achievement Test - Achieve in the 85th percentile or higher in math or reading. (High school seniors may use college admissions examinations such as SAT or ACT)

## **SUGGESTED TRACKS OF STUDY**

(R) = Required class for that grade level

(RS) = Required class to graduate; suggested for this grade level but may be taken at another time

### COLLEGE EDUCATION CURRICULUM

#### 9<sup>th</sup> Grade

C.P. English 9 (R)	1 credit
*Math (R)	1 credit
Physical Science (R)	1 credit
World Studies 1750-Present (R)	1 credit
Physical Education I (RS)	¼ credit
Health (RS)	½ credit
World Language	1 credit
Other Electives	

#### 10<sup>th</sup> Grade

C.P. English 10 (R)	1 credit
*Math (R)	1 credit
Biology (R)	1 credit
US History 1877-Present (R)	1 credit
Physical Education II (RS)	¼ credit
World Language	1 credit
Other Electives	

#### 11<sup>th</sup> Grade

C.P. English 11 (R)	1 credit
*Math (R)	1 credit
Chemistry (R)	1 credit
World Language	1 credit
Economics (R)	½ credit
Other Electives	

#### 12<sup>th</sup> Grade

C.P. English 12 (R)	1 credit
*Math	1 credit
Advanced Science	1 credit
American Government (R)	½ credit
World Language	1 credit
Other Electives	

*Colleges may require world language for all majors.*

**\*Four credits of mathematics are required for graduation (through Algebra II).**

# What are my options?

## Business

Introduction to Business	½ credit
Professional Communications Strategies	½ credit
Business Tech	½ credit

## English

CP English 9	1 credit
Speech	½ credit
Intro to Journalism	1 credit

## Family & Consumer Sciences

Design	½ credit
Food for Fitness	½ credit
Human Relationships	½ credit

## Industrial Technology

CAD I	½ credit
CAD II	½ credit
Architectural Drafting	½ credit
Engineering I	½ credit
Basic Wood Technology	½ credit

## Mathematics

Algebra I	1 credit
Algebra I (Dbl-Blk)	1 crdt/ ½ non-Math elective crdt
Geometry	1 credit
Geometry (Dbl-Blk)	1 crdt/ ½ non-Math elective crdt
Honors Geometry	1 credit
Algebra II	1 credit
Algebra II (Dbl-Blk)	1 crdt/ ½ non-Math elective crdt
Honors Algebra II	1 credit
Algebra III	1 credit
Pre-Calculus	1 credit
Honors Pre-Calculus	1 credit
Introduction to Computer Science	½ credit

## Performing Arts

Acting	½ credit
Stagecraft	½ credit
Concert/Marching Band	1 credit
Band Auxiliary/Flag Corps	½ credit
Jazz Band	1 credit
Music Appreciation	½ credit
Music Theory	½ credit
Concert Orchestra	1 credit
Men's Chorus	1 credit
Women's Chorus	1 credit
Advanced Select Choir	1 credit
Concert Choir	1 credit
Show Choir	1 credit
Ensemble Choir	1 credit

## Physical Education/Health

Physical Education/Dual/ Individual Activities & Fitness	¼ credit
Physical Education/Team Activities & Fitness	¼ credit
Physical Education/Activities & Fitness Health	¼ credit
Lifetime Fitness I	½ credit
Lifetime Fitness II	¼ credit

## Science

Physical Science	1 credit
Honors Physical Science	1 credit

## Social Studies

World History 1750-Present	1 credit
Honors World History 1750-Present	1 credit

## Visual Arts

Art I	½ credit
Ceramics I	½ credit
Sculpture I	½ credit
Computer Graphics I	½ credit
Drawing I	½ credit
Jewelry I	½ credit
Painting I	½ credit
Photography I	½ credit
Digital Imaging	½ credit

## World Languages

French I	1 credit
French II	1 credit
German I	1 credit
German II	1 credit
Spanish I	1 credit
Spanish II	1 credit

## Aerospace Science

ROTC

## BUSINESS

### **INTRODUCTION TO BUSINESS (03830)**

**(1/2 Credit)**

**Grades: 9, 10, 11, 12**  
**Prerequisite Guidelines:** *None*

**Elective Course**  
**Fee Required**

Students will gain a better understanding of the economic resources used in producing goods and services in a global economy. Marketing, entrepreneurship, and financial systems will be taught to enhance the students' knowledge of successful business operations. This course is suggested for students planning to take Marketing in their junior or senior year.

### **PROFESSIONAL COMMUNICATIONS STRATEGIES (03790)**

**(1/2 credit)**

**Grades: 9, 10, 11, 12**  
**Prerequisite Guidelines:** *None*

**Elective Course**  
**No Fee**

Students will learn to collaborate in teams, solve problems, gather information and use technology to communicate effectively utilizing software, e-mail, multimedia, and the Internet. Writing, listening, speaking, computing, research, and critical thinking skills will be refined to help prepare students for career success in the professional work environment.

### **BUSINESS TECH (03860)**

**(1/2 credit)**

**Grades: 9, 10, 11, 12**  
**Prerequisite Guidelines:** *None*

**Elective Course**  
**No Fee**

This comprehensive course will acquaint students with the capabilities of various software programs used in businesses and by college students today. Students will learn core skills in the Microsoft Office software suite and apply them to simulations that reflect real world applications such as letters, forms, and publications, spreadsheets that incorporate formulas and graphs, and quality presentations that integrate text, graphics, and special effects. Students will also have an opportunity to earn Microsoft Office Specialist (MOS) certification through additional advanced independent study projects. Additionally, students will explore information technology issues related to risk management/security and effective communication strategies.

## ENGLISH

Grade Level	Olentangy Graduation Requirement	Ohio's "Core Curriculum" Recommendation
9	C.P. English 9	C.P. English 9
10	C.P. English 10	C.P. English 10
11	C.P. English 11 OR A.P. Literature & Composition	C.P. English 11 OR A.P. Literature & Composition
12	English 12 OR C.P. English 12 OR A.P. Language & Composition	C.P. English 12 OR A.P. Language & Composition

### **COLLEGE PREP ENGLISH 9 (05110)**

**(1 credit)**

**Grades: 9**  
**Prerequisite Guidelines:** *None*

**Required Course**  
**Fee Required**

This course introduces freshmen to high school-level literacy study. Reading instruction includes strategies to comprehend and analyze features of fiction and non-fiction through study of varieties of genres representing different authors and cultures. Students will apply the reading process to achieve a deeper understanding of authors' purposes and to analyze literary and rhetorical elements of texts. Writing instruction includes development of skills in pre-writing, drafting, revising, editing, and publishing. Students will write narrative, expository, and persuasive compositions as well as informal and functional assignments. Instruction will also focus on acquisition of vocabulary and writing conventions skills. Students will be introduced to research skills and resources and will develop communication skills that include listening and speaking strategies. The reading of a novel will be required in the summer, and the purchase of one or two paperbacks may be required. The instruction of this curriculum may be delivered via an accelerated interdisciplinary approach, a Humanities perspective or a departmentalized format. Each will incorporate various forms of enrichment depending on the strengths associated with each instructor and building. Regardless, the same curriculum will be taught, no matter the instructional methodology.

### **SPEECH (05230)**

**(1/2 credit)**

**Grades: 9, 10, 11, 12**  
**Prerequisite Guidelines:** *None*

**Elective Course**  
**No Fee**

This semester course will expose students to a wide variety of public speaking experiences. Communication concepts such as discussion, public speaking modes, research, and delivery of speeches allow the student a full exposure to the speaking and listening process and the opportunity to develop speaking skills and strategies. Instruction will also focus on the finding, synthesizing, and documentation of research into speeches. All students will participate in the presentation and delivery of impromptu, extemporaneous, and prepared material.



## ENGLISH – JOURNALISM

### INTRODUCTION TO JOURNALISM (05910)

(1 credit)

**Grades: 9, 10, 11**

**Prerequisite guidelines:** *"B" average in the previous core English course*

**Elective Course  
No Fee**

This course examines the principles and practices of journalism with emphasis on reporting and writing news, features, interviews, and editing for various mediums including broadcast, newspaper, magazine and yearbook layout and design, and photography. Students will also examine current media trends, ethics, current events and the history of American Journalism and the changing role of the media. This course is a foundational journalism course and a pre-requisite for advanced journalism courses such as Newspaper Journalism, Advanced News Journalism, Yearbook Journalism and Broadcast and Video Production.

## FAMILY AND CONSUMER SCIENCES

### DESIGN (23880)

(1/2 credit)

**Grades: 9, 10, 11, 12**

**Prerequisite Guidelines:** *None*

**Elective Course/Applied Arts Credit  
Fee Required**

This is a course designed for students interested in interior design, architecture, fashion, and related fields. The course will entail an introduction to elements and principles of design, color theory, merchandising, fashion design, and architectural trends. This course is project based.

### FOODS FOR FITNESS (23810)

(1/2 credit)

**Grades: 9, 10, 11, 12**

**Prerequisite Guidelines:** *None*

**Elective Course/Applied Arts Credit  
Fee Required**

This course is for any student who will need to prepare quick meals in college and beyond. Students will select, prepare and meet lifestyle nutritional needs. Areas to be covered include: preparation techniques, nutrition, and weight and time management. Food laboratory experiences will be an integral part of this course.

## INDUSTRIAL TECHNOLOGY

### CAD I (10810)

(1/2 credit)

**Grades: 9, 10, 11, 12**

**Prerequisite Guidelines:** *None*

**Elective Course/Applied Arts Credit  
Fee Required**

This course places emphasis on the development of the ability to express ideas graphically through the use of traditional drafting and computer assisted drafting processes and techniques. Areas of study will include but are not limited to: geometric constructions, orthographic projection, pictorial systems, and conventional practices in dimensioning, sectioning and computer based drafting. The two main themes of this course include establishing skill in drafting and CAD and applying this skill to problem based situations founded in the architectural and engineering industries. Students will be exposed to various CAD and 3D modeling programs.

### CAD II (ENGINEERING DESIGN AND PROBLEM SOLVING) (10820)

(1/2 credit)

**Grades: 9, 10, 11, 12**

**Prerequisite Guidelines:** *CAD I*

**Elective Course/Applied Arts Credit  
Fee Required**

This intermediate level course for students interested in engineering continues the themes started in CAD I. Computer assisted drafting and design and traditional drafting skills are reinforced, enhanced, and challenged in this course. A significant portion of the course is dedicated to applying the learned drafting and CAD skills to challenging engineering and architectural problems. Students will be given problems in which they must create graphical solutions. They are then required to build the solution based on their design. Students will also gain an understanding of how automation is used in industry.

### ARCHITECTURAL DRAFTING (10830)

(1/2 credit)

**Grades: 9, 10, 11, 12**

**Prerequisite Guidelines:** *CAD I*

**Elective Course/Applied Arts Credit  
Fee Required**

This course provides students the opportunity to learn about the principles of architecture and related drafting practices and techniques. Students will design and draw a set of plans for a residential or commercial building. Studies include the creation and utilization of CAD standards as found in architectural firms.

**ENGINEERING I (10840)****(1/2 credit)****Grades: 9, 10, 11, 12**  
**Prerequisite Guidelines: None****Elective Course/Applied Arts Credit**  
**Fee Required**

This is a hands-on exploratory course designed to give students exposure to a variety of technologies associated with engineering. Students work individually and in teams to solve a variety of problems using tools and machines unique to various fields of engineering. Students will reinforce their scientific, mathematical, and communication skills through class activities using the engineering problem solving method. The class is designed to strengthen the development of skills in team cooperation, decision-making, critical thinking, troubleshooting, problem solving and independent learning. A design portfolio will be required by all students. This is an excellent elective for the college bound student.

**BASIC WOOD TECHNOLOGY (10910)****(1/2 credit)****Grades: 9, 10, 11, 12**  
**Prerequisite Guidelines: CAD I****Elective Course/Applied Arts Credit**  
**Fee Required**

This course will provide the opportunity for students to develop knowledge and abilities of the proper and safe use of machinery and tools. Three projects are required. Reading, math, writing, and research are also important. Aspects of the technological world and work habits, as well as therapeutic values are stressed. Upon completion of the course requirements, a quality project worthy of being displayed is required. Emphasis is placed on the development of safe work practices, good working relationships and economical use of time and materials. Laboratory exercises are required on a daily basis and are very important in grading.

**MATHEMATICS**

<b>If you are currently enrolled in:</b>	<b>Suggested college-bound options are:</b>
Algebra I	Geometry, Honors Geometry
Geometry OR Honors Geometry	Algebra II, Honors Algebra II
Algebra II OR Honors Algebra II	Pre-Calculus, Honors Pre-Calculus, Electives
Pre-Calculus OR Honors Pre-Calculus	Calculus, AP Calculus, Discrete Math, AP Statistics

**ALGEBRA I (11110)****(1 credit)****Grades: 9, 10, 11, 12**  
**Prerequisite Guidelines: None****Required Course**  
**No Fee**

This course covers the basic operations with signed numbers and variables, as well as factoring. Equation solving of linear, simultaneous, data analysis and probability, and quadratic equations is presented as well as various graphing techniques. Problem solving strategies are emphasized. **TI-83+ or TI-84+ calculator required.**

**ALGEBRA I DOUBLE BLOCK (11110DB)****(1 Math credit and ½ non Math elective credit)****Grades: 9, 10, 11, 12**  
**Prerequisite Guidelines: None****Elective Course**  
*(replaces Algebra I requirement)*  
**No Fee**

This course will meet for two consecutive periods within the school day for the entire school year. Students should be sure to reserve two periods on their schedule worksheet when selecting this class. This course covers the basic operations with signed numbers and variables, as well as factoring. Equation solving of linear, simultaneous, and quadratic equations is presented as well as various graphing techniques. Problem solving strategies are emphasized. **TI-83+ or TI-84+ calculator required.**

**GEOMETRY (11210)****(1 credit)****Grades: 9, 10, 11, 12**  
**Prerequisite Guidelines: Algebra I****Required Course**  
**No Fee**

This course is the study of geometric figures in 2 and 3 dimensional space. Inductive and deductive reasoning, the nature of proof, constructions and discovery of relationships are included in the course, as well as data analysis and probability. **TI-83+ or TI-84+ calculator required.**

**GEOMETRY DOUBLE BLOCK (11210DB)****(1 Math credit and ½ non Math elective credit)****Grades: 9, 10, 11, 12**  
**Prerequisite Guidelines: Algebra I and teacher recommendation****Elective Course**  
*(replaces Geometry requirement)*  
**No Fee**

This course will meet for two consecutive periods within the school day for the entire school year. Students should be sure to reserve two periods on their schedule worksheet when selecting this class. This course is the study of geometric figures in 2 and 3 dimensional space. Inductive and deductive reasoning, the nature of proof, constructions and discovery of relationships are included in the course as well as data analysis and probability. **TI-83+ or TI-84+ calculator required.**

**HONORS GEOMETRY (11215)****(1 credit)****Grades: 9, 10, 11, 12****Elective Course**  
*(replaces Geometry requirement)*  
**No Fee****Prerequisite Guidelines:** *Algebra I and teacher recommendation*

The Honors Geometry course covers the curriculum of regular Geometry at an accelerated pace with the addition of rigorous enrichment topics. **TI-83+ or TI-84+ calculator required.**

**ALGEBRA II (11310)****(1 credit)****Grades: 9, 10, 11, 12****Required Course**  
**No Fee****Prerequisite Guidelines:** *Algebra I, Geometry.*

The second course in Algebra is designed to expand the student's initial study of linear and quadratic equations. Practical applications are emphasized throughout. Additional topics include matrices, conic sections, complex numbers and trigonometry. **TI-83+ or TI-84+ calculator required.**

**ALGEBRA II DOUBLE BLOCK(11310DB)****(1 Math credit and ½ non Math elective credit)****Grades: 9, 10, 11, 12****Elective Course**  
*(replaces Algebra II requirement)*  
**No Fee****Prerequisite Guidelines:** *Algebra I, Geometry and Teacher Recommendation*

This course will meet for two consecutive periods within the school day for the entire school year. Students should be sure to reserve two periods on their schedule worksheet when selecting this class. The second course in Algebra is designed to expand the student's initial study of linear and quadratic equations. Practical applications are emphasized throughout. Additional topics include matrices, conic sections, complex numbers and trigonometry. **TI-83+ or TI-84+ calculator required.**

**HONORS ALGEBRA II (11315)****(1 credit)****Grades: 9, 10, 11, 12****Elective Course**  
*(Replaces Algebra II)*  
**No Fee****Prerequisite Guidelines:** *Algebra I, Geometry and Teacher Recommendation*

The Honors Algebra II course covers the curriculum of regular Algebra II at an accelerated pace with the addition of rigorous enrichment topics. **TI-83+ or TI-84+ calculator required.**

**PRE-CALCULUS (11420)****(1 credit)****Grades: 9, 10, 11, 12****Elective Course**  
**No Fee****Prerequisite Guidelines:** *Algebra II*

This course explores function theory and involves an in-depth study of trigonometry. Emphasis is also placed upon analytical geometry ideas. Related topics such as the nature of graphs, exponential and logarithmic functions, sequences, series, vectors, polar coordinates, parametric, and complex numbers will be covered. **TI-83+ or TI-84+ calculator required.**

**HONORS PRE-CALCULUS (11425)****(1credit)****Grades: 9, 10, 11, 12****Elective Course**  
**No Fee****Prerequisite Guidelines:** *Algebra II*

The honors Pre-Calculus course covers the curriculum of regular Pre-Calculus at an accelerated pace with the addition of rigorous enrichment topics. **TI-83+ or TI-84+ calculator required.**

**MATHEMATICS – COMPUTER SCIENCE****INTRODUCTION TO COMPUTER SCIENCE (11810)****(1/2 credit)****Grades: 9,10,11,12****Elective Course**  
**No Fee****Prerequisite Guidelines:** *"C-" or better in Geometry.*  
*Concurrent enrollment with Geometry permitted*

This course is an introduction to computer science and programming using a sequential and object-oriented approach. Languages investigated may include Basic++, and Java.

## PERFORMING ARTS – BAND

### CONCERT/MARCHING BAND (12810)

(1 credit)

**Grades: 9, 10, 11, 12**

**Prerequisite Guidelines:** *Previous membership or permission of director*

**Elective Course/Fine Arts Credit  
Fee required**

This course builds on previous year's experience in rhythm, counting, improving tone quality, expression, various articulations, and increasing musical vocabulary. Attendance at out of class rehearsals and performances, marching or concert, is viewed as the extension of the classroom and is required.

Marching band component: from June to November, this group will be in marching band mode. Attendance at football games, parades, or marching contests is the main requirement for this course (exceptions are to be determined by the director). Marching rehearsals begin in the summer (to be determined by each high school's individual staff). Marching band is a component of the total band experience, not a separate one.

### BAND AUXILIARY-FLAG CORPS (12811)

(1/2 credit)

**Grades: 9, 10, 11, 12**

**Prerequisite Guidelines:** *Audition required*

**Elective Course/Fine Arts Credit  
Fee required**

From June to November, this group will be in marching band mode. Attendance at football games, parades, or marching contests is the main requirement for this course. Marching rehearsals begin in the summer (to be determined by each high school's individual staff).

### JAZZ BAND (12820)

(1 credit)

**Grades: 9, 10, 11, 12**

**Prerequisite Guidelines:** *Audition required*

**Elective Course/Fine Arts Credit  
Fee Required**

This group will work on music characteristics of the jazz idiom. They will perform at various community functions as well as school concerts. Enrollment is limited due to specific instrumentation. Mandatory performances outside of the school day are required.

## PERFORMING ARTS – CHOIR

### MEN'S CHORUS (12910)

(1 credit)

**Grades: 9, 10, 11, 12**

**Prerequisite Guidelines:** *None*

**Elective Course/Fine Arts Credit  
Fee Required**

Students involved in the choir will enjoy a year long opportunity to perform a wide range of choral literature as an ensemble in class and in public performances. The purpose of the choir is to promote proper use of the singing voice, to develop blend and balance required for the ensemble, and to develop skills in sight-reading, music theory, and interpretation. Mandatory performances and rehearsals outside of the school day are required.

### WOMEN'S CHORUS (12920)

(1 credit)

**Grades: 9, 10, 11, 12**

**Prerequisite Guidelines:** *None*

**Elective Course/Fine Arts Credit  
Fee Required**

Students involved in choir will enjoy a year long opportunity to perform a wide range of choral literature as an ensemble in class as well as public performances. The purpose of this choir is to promote proper use of the singing voice, to develop blend and balance required for the ensemble, and to develop skills in sight-reading, music theory, and interpretation. Mandatory performances and rehearsals outside of the school day are required.

### ENSEMBLE CHOIR (12960)

(1 credit)

**Grades: 9, 10, 11, 12**

**Prerequisite Guidelines:** *Audition or Director's Permission*

**Co requisite:** *Students must enroll in another vocal ensemble other than Show Choir*

**Elective Course/Fine Arts Credit  
Fee Required**

This group is a supplement to the training offered in other vocal ensembles and enrollment in another choir is required. Students who elect to join this group perform popular genre of music. Mandatory performances and rehearsals outside of the school day are required.

### ADVANCED SELECT CHOIR (12930)

(1 credit)

**Grades: 10, 11, 12**

**Prerequisite Guidelines:** *One year of high school choir and audition*

**Elective Course/Fine Arts Credit  
Fee Required**

This select vocal group works for the highest standards of achievement in vocal sound and performance. Class experiences include sight singing, music theory and in-depth vocal training. Mandatory performances outside the school day will include concerts, community appearances and OMEA large group contests. There will be mandatory rehearsals outside of the school day. This is the most select ensemble and requires a serious musical commitment.

**CONCERT CHOIR (12940)****(1 credit)****Grades: 10, 11, 12****Prerequisite Guidelines:** *One year of high school choir and audition or permission of director***Elective Course/Fine Arts Credit  
Fee Required**

This choir will continue the development of concepts begun in Women's/Men's chorus. Students will work on vocal production and music reading skills. Mandatory rehearsals and performances outside of the school day are required. This choir will participate in OMEA large group contests and concerts.

**SHOW CHOIR (12950)****(1 credit)****Grades: 9, 10, 11, 12****Prerequisite Guidelines:** *Audition***Co requisite:** *Students must enroll in another vocal ensemble (see Director for details)***Elective Course/Fine Arts Credit  
Fee Required**

Since this group is a supplement to the training offered in other vocal ensembles, enrollment in another choir is required. Students who elect to join this group perform popular genre of music which may be combined with choreography or staging. Mandatory performances and rehearsals outside of the school day are required.

**PERFORMING ARTS – MUSIC****MUSIC APPRECIATION (12850)****(1/2 credit)****Grades: 9, 10, 11, 12****Prerequisite Guidelines:** *None***Elective Course/Fine Arts Credit  
No Fee**

Music Appreciation is for the student who is interested in the history and inner workings of western and non-western music, as well as a better understanding of the global community and its cultures. Material covered includes: composers, time periods, genres, cultures, etc.

**MUSIC THEORY (12870)****(1/2 credit)****Grades: 9, 10, 11, 12****Prerequisite Guidelines:** *None***Elective Course/Fine Arts Credit  
No Fee**

Music Theory is for the student who wants to learn the basic workings of music. Students will be writing music by the end of the course. This is an detailed study of music and the student should have some background in traditional music training.

**PERFORMING ARTS – THEATER****ACTING (05950)****(1/2 credit)****Grades: 9, 10, 11, 12****Prerequisite Guidelines:** *None***Elective Course/Fine Arts Credit  
Fee Required**

This course is designed to introduce and familiarize students with theatre arts and acting in particular. The class is a mixture of performance, participation activities and script reading making it an excellent course for those who wish to overcome stage fright. The course focuses on characterization, movement and vocal interpretation to build a foundation for acting. In addition, an overview of theatre history through dramatic literature, a study of the role of theatre within society and theatre appreciation and etiquette will be taught during the course. Mandatory course requirement: Practicum hours served outside the regular school day.

**STAGECRAFT (05970)****(1/2 credit)****Grades: 9, 10, 11, 12****Prerequisite Guidelines:** *None***Elective Course/Fine Arts Credit  
Fee Required**

This course is designed to introduce students to technical theatre, the "behind-the-scenes" work that goes into a theatrical production. Students will study how technical elements are important to theatre productions and implement their knowledge with hands-on activities and projects. Mandatory course requirements: practicum hours may be required outside regular school day.

**PERFORMING ARTS – ORCHESTRA****ORCHESTRA (12830)****(1 credit)****Grades: 9, 10, 11, 12****Prerequisite Guidelines:** *None***Elective Course/Fine Arts Credit  
Fee Required**

Emphasis will be placed on improving technical skills, musicianship, ensemble training and interpretive and group performance skills. Musical literature is varied and includes all styles from Baroque to Contemporary. Attendance at out of class rehearsals and performances are viewed as an extension of the classroom and are required. If sufficient numbers warrant it, auditions will be used to determine placement in one orchestra or multiple orchestras.

## PHYSICAL EDUCATION / HEALTH

### PHYSICAL EDUCATION/DUAL/INDIVIDUAL ACTIVITIES AND FITNESS (08110AB)

(1/4 credit)

**Grades: 9, 10**  
**Prerequisite Guidelines:** *None*

**Required Course**  
**Fee Required**

This class is a combination of dual/individual activities with a fitness component. The activities will focus on teaching the etiquette, technique and skills related to the sports highlighted during the quarter. These activities may include (but not limited to) badminton, disc golf, fencing, fishing, table tennis, golf, juggling and tennis. During the fitness part of the class students will participate in the five fitness components while they learn to design, incorporate and live a healthy and active life. Activities may include (but are not limited to) weight training, jogging, circuit training, Tae-bo and Pilates.

### PHYSICAL EDUCATION/TEAM ACTIVITIES AND FITNESS (08110AC)

(1/4 credit)

**Grades: 9, 10**  
**Prerequisite Guidelines:** *None*

**Required Course**  
**Fee Required**

This class will blend team activities with a fitness component. Students who select this class will participate in large and small team activities. These activities include, but are not limited to softball, volleyball, floor hockey, ultimate Frisbee, soccer, basketball, touch football, group games and team handball. During the fitness part of the class students will participate in the five fitness components while they learn to design, incorporate and live a healthy and active life. Activities may include (but are not limited to) weight training, jogging, circuit training, tae-bo and Pilates.

### PHYSICAL EDUCATION/ACTIVITIES AND FITNESS (08110BC)

(1/4 credit)

**Grades: 9, 10**  
**Prerequisite Guidelines:** *None*

**Required Course**  
**Fee Required**

This class targets the fitness component of physical education, along with an activity focus. During the fitness part of the class, students will participate in the five fitness components as they learn to design, and make healthy lifestyle choices as a part of an active life. Activities may include, but are not limited to: weight training, walking, jogging, circuit training, tae-bo, yoga and Pilates. During the activities part of the class, students will focus on the etiquette, technique and skills related to sports. The activities may include, but are not limited to: golf, bowling, Frisbee.

### LIFETIME FITNESS I (08110D)

(1/4 credit)

**Grades: 09, 10, 11, 12**  
**Location: All Classes Will Meet Off-Campus**

**Required Course**  
**Fee Required**

Students may enroll in Lifetime Fitness I to fulfill their high school requirement. Lifetime Fitness I will introduce students to a variety of physical activities. Classes will meet throughout the semester. The schedule and course requirements may be obtained on the web site: [oohs.olentangy.k12.oh.us/teachers/elaine\\_eddy](http://oohs.olentangy.k12.oh.us/teachers/elaine_eddy) ATTENDANCE OF ALL CLASSES IS MANDATORY.

### LIFETIME FITNESS II (08110E)

(1/4 credit)

**Grades: 09, 10, 11, 12**  
**Location: All Classes Will Meet Off-Campus**

**Required Course**  
**Fee Required**

Students may enroll in Lifetime Fitness II to fulfill their high school requirement. Lifetime Fitness II will introduce students to a variety of physical activities. Classes will meet throughout the semester. The schedule and course requirements may be obtained on the web site: [oohs.olentangy.k12.oh.us/teachers/elaine\\_eddy](http://oohs.olentangy.k12.oh.us/teachers/elaine_eddy) ATTENDANCE OF ALL CLASSES IS MANDATORY.

### HEALTH (08210)

(1/2 credit)

**Grades: 9, 10**  
**Prerequisite Guidelines:** *None*

**Required Course**  
**Fee Required**

Topics to be covered: mental health, including personality, emotions, and mental illness; the nature of disease; body systems, substance abuse, including tobacco, alcohol and drugs; physical fitness and nutrition; human sexuality and reproduction; first aid and CPR, along with making healthy choices and current health issues.

## SCIENCE

Grade Level	Olentangy Graduation Requirement	Ohio's "Core Curriculum" Recommendation
9	Physical Science OR Honors Physical Science	Physical Science OR Honors Physical Science
10	Biology OR Honors Biology	Biology OR Honors Biology
11	A third lab science course, usually Chemistry OR Earth Science	Chemistry OR Honors Chemistry
12		Physics OR Anatomy & Physiology OR Advanced Placement Science course

### **PHYSICAL SCIENCE (13110)**

**(1 credit)**

**Grades: 9**

**Prerequisite Guidelines:** *None*

**Required Course  
Fee Required**

The content of this course includes an introduction to physics (motion, forces, energy) and to chemistry (properties and interaction of matter). Laboratory activities will introduce, support and apply concepts.

### **HONORS PHYSICAL SCIENCE (13115)**

**(1 credit)**

**Grades: 9**

**Prerequisite Guidelines:** *Concurrent enrollment in Geometry or higher, "A-" or higher in previous science course. Teacher recommendation*

**Required Course  
(replaces Physical Science requirement)  
Fee Required**

The content of this course includes an introduction to physics (motion, forces, energy) and to chemistry (properties and interaction of matter). It is recommended for the student with a strong background and/or interest in science concepts and careers, especially those related to physics and chemistry. Laboratory activities will introduce, support and apply concepts. The Honors curriculum will challenge the student to acquire knowledge independently, to master abstract concepts, and apply content to new situations. An independent project may be required outside class each quarter.

## SOCIAL STUDIES

Grade Level	Olentangy Graduation Requirement and Ohio's "Core Curriculum Recommendation"
9	World History 1750 – Present Honors World History 1750-Present
10	US History 1877- Present OR A.P. US History
11	Two Electives OR A.P. US History
12	U.S. Government OR A.P. U.S. Government

### WORLD HISTORY 1750-PRESENT (15210)

**(1 credit)**

**Grades: 9**  
**Prerequisite Guidelines:** *None*

**Required Course**  
**No Fee**

This course provides a survey of World History with special emphasis on geographic settings, cultural perspectives, economics systems, and various forms of government within Europe, Asia, Africa, and the Americas. The students will analyze these eras and specific events such as the Enlightenment, American & French Revolutions, Industrialization, Imperialism, the Rise of Communism, two World Wars, the Cold War, and Contemporary Issues of today. Historical review and research will also be integral parts of the course. The instruction of this curriculum may be delivered via an accelerated Interdisciplinary approach, a humanities perspective or a departmentalized format. Each will incorporate various forms of enrichment depending on the strengths associated with each instructor and building. Regardless, the same curriculum will be taught, no matter the instructional methodology.

### HONORS WORLD HISTORY 1750-PRESENT (15215)

**(1 credit)**

**Grades: 9**  
**Prerequisite Guidelines:** *A or B in Social Studies and ELA*

**Required Course**  
**No Fee**

The Honors World History course includes the curriculum of standard World History delivered at an accelerated pace with additional depth and rigor. There is an emphasis on reading, analysis and writing in the content area.

## VISUAL ARTS

### ART I (02110)

**(1/2 credit)**

**Grades: 9, 10, 11, 12**  
**Prerequisite Guidelines:** *None*

**Elective Course/Fine Art**  
**Fee Required**

This course is designed as a general survey course encompassing a variety of content areas. Emphasis will be placed on developing an understanding of visual expression and response through vocabulary, art history, methods, techniques, skills, and basic art fundamentals.

### CERAMICS I (02210)

**(1/2 credit)**

**Grades: 9, 10, 11, 12**  
**Prerequisite Guidelines:** *Art I*

**Elective Course/Fine Art**  
**Fee Required**

A course designed to offer a basic understanding of an amazingly versatile medium. Emphasis is placed on various hand-building methods and technical aspects involved.

### SCULPTURE I (02230)

**(1/2 credit)**

**Grades: 9, 10, 11, 12**  
**Prerequisite Guidelines:** *Art I*

**Elective Course/Fine Art**  
**Fee Required**

This course encompasses both sculptural methods, additive and subtractive, to create forms. Emphasis is placed on understanding the 3-dimensional realm of form in addition to sculptural elements, design, and technology.



**COMPUTER GRAPHICS I (02310)****(1/2 credit)****Grades: 9, 10, 11, 12**  
**Prerequisite Guidelines: Art I****Elective Course/Fine Art**  
**Fee Required**

This course offers an introduction to the world of computer-generated art. Using various graphic programs, works of art can be created with ease and precision in a fraction of the time it would take using traditional techniques. Emphasis will be placed on object construction, an understanding of computer-generated animations, and 3-D ray traced images.

**DRAWING I (02410)****(1/2 credit)****Grades: 9, 10, 11, 12**  
**Prerequisite Guidelines: Art I****Elective Course/Fine Art**  
**Fee Required**

The emphasis of this course is concrete academic fundamentals and the creative aspects of drawing. It is designed to reflect the extensive range of drawing and the unique importance it holds as a service to other disciplines of art.

**JEWELRY I (02610)****(1/2 credit)****Grades: 9, 10, 11, 12**  
**Prerequisite Guidelines: Art I****Elective Course/Fine Art**  
**Fee Required**

An introduction to jewelry design based on sheet construction, focusing on the concepts of metalworking: cutting, and finishing. Emphasis is placed on the organizational and expressive power of design elements and principles, as well as the technical characteristics of the medium and tools.

**PAINTING I (02710)****(1/2 credit)****Grades: 10, 11, 12**  
**Prerequisite Guidelines: Drawing I****Elective Course/Fine Art**  
**Fee Required**

This course is designed to create a greater awareness of the fundamental techniques and approaches to painting as well as focusing on materials, mediums, and their effective use in painting.

**PHOTOGRAPHY I (02810)****(1/2 credit)****Grades: 9, 10, 11, 12**  
**Prerequisite Guidelines: Art I****Elective Course/Fine Art**  
**Fee Required**

This course is designed to offer the basic understanding of the complete photographic process - from the moment light goes through the lens to the time a finished print is made. The course focuses on basic techniques in shooting and printing. A camera is required, ask your art department teachers about camera details.

**DIGITAL IMAGING (02830)****(1/2 credit)****Grades: 9, 10, 11, 12**  
**Prerequisite Guidelines: Art I****Elective Course/Fine Art**  
**Fee Required**

A course designed to explore the principles and elements of design through various digital processes. With the focus on visual communication theory, students will learn techniques used for manipulating images, designs, and concepts in a digital format.

**WORLD LANGUAGES****FRENCH I (06110)****(1 credit)****Grades: 9, 10, 11, 12**  
**Prerequisite Guidelines: None****Elective Course**  
**Fee Required**

Grammatical structures, vocabulary and culture topics of immediate interest and use are introduced. Listening, speaking, reading, writing, and culture are all integral parts of the course. Aspects of daily life in France are introduced, as well as important contributions of the French-speaking world.

**FRENCH II (06120)****(1 credit)****Grades: 9, 10, 11, 12**  
**Prerequisite Guidelines: "C" or better in French I or teacher recommendation****Elective Course**  
**Fee Required**

In French II students continue to study the language through the context of real-life situations that are encountered in French-speaking countries. Listening, speaking, reading and writing, as well as culture, are all integral parts of the course. Mastery of concepts at this level is critical for advancement to the next. Students are expected to use French to communicate in this class.

**GERMAN I (06210)****(1 credit)****Grades: 9, 10, 11, 12****Prerequisite Guidelines:** *None***Elective Course  
Fee Required**

This course introduces grammatical structures, vocabulary, and culture topics of immediate interest and use. Listening, speaking, reading, writing, and culture are all integral parts of the course. Aspects of daily life in Germany, Austria, and Switzerland, are introduced, as well as important contributions of the German-speaking world.

**GERMAN II (06220)****(1 credit)****Grades: 9, 10, 11, 12****Prerequisite Guidelines:** *"C" or better in German I or teacher recommendation***Elective Course  
Fee Required**

German II students continue to study the language through the context of real-life situations that are encountered in German-speaking countries. The four language skills (listening, speaking, reading, and writing) and culture are integrated throughout the course. There is a strong emphasis on oral communication and grammatical structures. Mastery of concepts at this level is critical for advancement to the next. Students are expected to use German to communicate in this class.

**SPANISH I (06310)****(1 credit)****Grades: 9, 10, 11, 12****Prerequisite Guidelines:** *None***Elective Course  
Fee Required**

This course introduces grammatical structures, vocabulary, and culture topics. Listening, speaking, reading, writing, and culture are all integral parts of the course. Aspects of daily life in Hispanic countries are introduced, as well as important contributions of the Spanish-speaking world.

**SPANISH II (06320)****(1 credit)****Grades: 9, 10, 11, 12****Prerequisite Guidelines:** *"C" or better in Spanish I or teacher recommendation***Elective Course  
Fee Required**

Spanish II students continue to study the language through the context of real-life situations that are encountered in Hispanic countries. The four language skills (listening, speaking, reading, and writing) and culture are integrated throughout the course. Mastery of concepts at this level is critical for advancement to the next. Students are expected to use Spanish to communicate in this class.

**AEROSPACE SCIENCE (AIR FORCE JUNIOR ROTC)**

Air Force Junior ROTC is a citizenship- and character-building program offered at R.B. Hayes High School and available to students of Hayes, Olentangy, Olentangy Liberty, Olentangy Orange, Buckeye Valley, and Big Walnut High Schools. Chartered by Congress in 1966, Junior ROTC units are charged with integrating programs of aerospace education, citizenship-, leadership- and team-building skills and community service with the curricula of their host high schools. The program is not an extension of the recruiting services of any branch of armed service, is not directly connected with college- or university-level ROTC programs, carries no obligation to enter military service, and does not actively encourage any student to choose a career in the armed service. The program offers elective coursework in the science and history of aviation, the exploration of space, and global studies, astronomy, and survival skills. The program offers extensive extracurricular activities such as field trips, interscholastic drill and air rifle marksmanship teams, rocket club, and community service projects.

**Aerospace Science 1: Science of Flight and Leadership 1 - 1st Sem. (Elective)****Credit: ½ C.U.****Aerospace Science 1: Science of Flight and Leadership 1 - 2nd Sem. (Elective)****Credit: ½ C.U.**

Offered alternate years with History of Flight. 40% of the course is a study of weather elements and basic forecasting systems, the physiology of flight, impacts on the human body, aerospace medicine-special physical needs to cope in flight, and protective equipment. Investigates the forces that enable flight, aerodynamics and propulsion systems. Introduces elements of navigation, map reading, course plotting, and flight instruments. Leadership 1 (40% of the course) studies respect for the flag, wear of the uniform, military drill, inspections, first aid, and study habits. Concepts of integrity, unity, and honor are emphasized. Also covers the basic aspects of drill and ceremonies to include traditional customs and courtesies, flag honors, drill and ceremonies, drill positions and movements, drill leadership, marching movements, and organizing and leading parades, retreats, and color guards. Evaluation is divided into academic, marching, and performing ceremonies in the community. 20% of the course is oriented to fitness and wellness.

**\$25 Activity Fee Annual**