

# **Granville High School**

**Granville, Ohio**



**2023-2024**

**Course Description Guide**

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# **Introduction to Granville High School**

Granville High School is a four-year comprehensive public high school, accredited by the State of Ohio. We hold memberships in the state and national associations for College Admission Counseling as well as the College Scholarship Service Assembly. We are a member of the Licking County Athletic League of the Ohio High School Athletic Association. We believe that a life of honesty and integrity is at the core of human endeavors. Building character, exhibiting integrity, and promoting academic success are priorities at GHS. We challenge students to make honest decisions in their academic, extra-curricular and social commitments. The staff at GHS is comprised of more than 60 full-time teachers and staff, with the vast majority of teachers possessing a master's degree or higher.

The schedule at Granville High School is unique, featuring three bell schedules. The first is a traditional 8-period, 50 minutes per class framework. The Ace bell schedule creates time for targeted remediation and enrichment efforts. Finally, on late-arrival Wednesdays, the school has a one-hour delay schedule. This time allows for professional collaboration and integration to occur, as well as work on building Continuous Improvement Plans in the areas of technology, formative assessment, Project-Based Learning, and curricular integration of our Portrait of a Graduate competencies.

## **Technology**

Granville High School students have access to computers at a 1:1 student to computer ratio. The library houses the media center, where computer workstations designed to enhance student productions in the form of videos, poster art, and presentations are located. The global language classes utilize a mobile language lab with 30 laptop computers where students can record and interact verbally with their teacher in a digital environment. Students have access to course content and files outside of school via an online network and Schoology.

## **Extra-Curricular Activities**

We firmly believe in the value of extra-curricular activities. These activities not only extend learning beyond school walls, but also provide life lessons that cannot always be relayed in a classroom environment. Our Blue Ace athletic teams are members of the Licking County League. Sports that are fully-funded at GHS include field hockey, golf, volleyball, soccer, cross-country, football, bowling, swimming, basketball, wrestling, indoor track, cheerleading, lacrosse, baseball, softball, tennis and outdoor track and field. Other non-athletic activities that are not sport-based are available to students as well, including Mock Trial, Academic Team, Student Council, Youth in Government, music groups, and many others. Students wishing to participate in extra-curricular activities must have a 2.0 GPA and have passed 5 credits in the grading period prior to their participation. Students who have less than a 2.0 but are passing 5 credits may take a waiver and will be eligible if they show improvement in their class standing. Only two waivers used in non-consecutive grading periods are available during the school career for each student.

## **Academic Support**

Extra assistance is available to all GHS students in a tiered system of interventions. Tier 1 interventions at GHS are those that are universal and open to all or most students at any time. They include teacher help sessions (before school and after school), mentoring for all ninth-grade students in their study hall period (by upperclassmen in the Mentoring and Leadership class), and review sessions for exams and standardized tests that occur throughout the year. Tier 2 interventions are put in place when a student has not been successful using those available in Tier 1. Tier 2 interventions include 1-on-1 tutoring with a

peer or with a teacher during a “lab” period; partial introduction into the ISP (Individual Success Plan) program where the student will meet with the ISP coordinator at least one time per week; and possible schedule changes to accommodate opportunities for extra help. Tier 3 interventions are complete involvement in the ISP program, including a structured study hall each day with the ISP coordinator. The ISP program also includes regular communication with students, parents, and the ISP coordinator. Tier 2 and 3 interventions can be requested by a student, teacher, parent, administrator, or counselor. All inquiries should be forwarded to the student’s school counselor, the principal, or the assistant principal.

## Advanced Placement (AP) Classes

Advanced Placement exposes high school students to college-level courses. Students are able to take an AP exam, which would potentially grant them college credit for the course. Each test will cost the student approximately \$95, which must be paid before the test is administered. Students will register for the AP tests in the guidance office. A score of at least 3 out of 5 guarantees college credit at Ohio Public Institutions of Higher Learning. GHS offers the following AP courses:

- AP English Language and Composition (American Literature and Composition)
- AP English Literature and Composition (British Literature and Composition)
- AP United States Government
- AP United States History
- AP World History
- AP Psychology
- AP Spanish
- AP French
- AP Latin
- AP Pre-Calculus
- AP Calculus (AB, BC & ABC)
- AP Statistics
- AP Computer Science A
- AP Biology
- AP Environmental Science
- AP Chemistry
- AP Physics
- AP Music Theory

## Advanced Placement (AP) Guidelines

1. Advanced Placement courses are college-level courses taught at the high school. They are, therefore, more difficult and require more preparation by students. If a student demonstrates a lack of initiative, discipline problems in the class or neglect of homework preparation, the student **may be removed** from the class. Students in AP courses should be of the highest work ethic and seriousness in their approach to their studies.
2. Students who earn a final grade of B- or better in any AP course will receive an additional weight of 1.0 GPA points for that course. For example, a grade of “A” in a non-AP course is worth 4.0 GPA points. In AP courses, that “A” is worth 5.0 GPA points.
3. If a student receives a C- or lower in an AP class during any given quarter, he or she will be warned. If the student receives another C- or lower, the student could be dropped from the course. Grades of C+ and below in AP courses will result in no weighting of the grade.

4. Teachers may assign work to be completed before the actual AP course begins. Check with the AP teacher for this information. If summer work is not completed, the student could be dropped from the course.
5. Students new to the Granville School District will need to send proof (i.e. teacher recommendations and transcript) to support their placement into AP courses. They must also meet the same prerequisite requirements as current students.
6. In thinking about whether or not AP courses are the right choice, we suggest a student consider the following benchmarks. The student should achieve a minimum of 85-90% on tests and papers in their non-AP class leading to each particular AP class. If the previous class is an AP class (i.e. AP English 11 to AP English 12) the student should achieve a minimum average of 80% on tests and papers. Students still struggling with the thought of whether to take AP courses or not should talk to their current teachers and school counselors for guidance.
7. If a student is identified as cognitively gifted or gifted in a specific subject area, they are strongly encouraged to follow all the recommendations above as well as grade pre-requisites for specific AP courses. However, they will be eligible to enroll in AP courses outside of the guidelines above in the area of specified giftedness.

## **College Credit Plus (CCP)**

College Credit Plus is Ohio's program for creating advanced standing opportunities for high school students. Through CCP, high schools partner with public universities to create "pathways" of college classes in which they would receive university and high school credit. Additionally, students may elect to take college-level courses outside of the established pathways. For additional information, contact your school counselor or click [here](#) to access the CCP Guide created by the Ohio Department of Education and the Ohio Board of Regents.

## **Global Scholars Diploma**

The Global Scholars Diploma credential is designed to acknowledge students who demonstrate global competencies above and beyond the curriculum requirements at Granville High School. Students who earn this credential will create a portfolio for presentation of these competencies at the end of their senior year at GHS. The four categories of competencies that will be assessed are: investigating the world, recognizing perspectives, communicating ideas and taking action. Students will have opportunities and requirements for this credential that are in the community, school-based, and self-directed. Student travel opportunities are available as well. The capstone piece to the portfolio is an action research or service learning project and presentation. An annual orientation meeting is held for enrollment of rising 9<sup>th</sup> and 10<sup>th</sup> graders. More information can be found [here](#).

# GEVSD Portrait of a Graduate

## Blue Aces are...

### Adaptable

- ♠ Adjust to varied roles and responsibilities in a world of ambiguity and changing priorities.
- ♠ React productively to feedback, success and failure.
- ♠ Understand, balance, and navigate diverse views to reach workable solutions.

### Collaborative

- ♠ Assume shared responsibility and value individual contributions to achieve a common goal.
- ♠ Demonstrate the ability to work together in diverse teams.
- ♠ Articulate thoughts and ideas using oral, written, and nonverbal communication skills.

### Critical Thinkers

- ♠ Collect, assess and analyze information to make sound judgements and decisions.
- ♠ Refine and evaluate ideas in order to innovate and maximize creative efforts.
- ♠ Reflect on the learning process, feedback and solutions.

### Empathetic

- ♠ Demonstrate an understanding of the perspectives and needs of others.
- ♠ Examine the impact of external influences on beliefs and behaviors during interactions with others.
- ♠ Maintain an open-minded approach to new ideas or values.

### Resilient

- ♠ View failure as an opportunity to learn.
- ♠ Delay gratification, refocus after distractions and maintain momentum until goals are attained.
- ♠ Develop positive attitudes and beliefs about themselves as lifelong learners.

### Responsible

- ♠ Display personal integrity, honesty, and ethical behavior.
- ♠ Explore and expand personal learning experiences and opportunities to gain expertise.
- ♠ Understand the local, national, and global implications of civic decisions.

# Graduation Requirements

Twenty-one units of credit in the areas below is a requirement for all students.

Subject Area	Ohio Diploma	Recommended for College Preparation
<p><b>English</b></p> <p><i>(Adv) Lit Survey &amp; Composition, (Adv) World Lit &amp; Composition, (AP) American Lit &amp; Composition and (AP) British Lit &amp; Composition</i></p>	4	4
<p><b>Social Studies</b></p> <p><i>(Adv) US History, World Studies, AP US History, AP World History, (AP) Government</i></p>	3	
<p><b>Mathematics</b></p> <p><i>Students are required to have 4 math credits for graduation. Completion of Algebra II is required as a part of the four math credits for graduation.</i></p>	4	4
<p><b>Science</b></p> <p><i>1 unit of a life science (lab course) and 1 unit of a physical science (lab course) are required.</i></p>	3	4
<p><b>Health</b></p>	½	½
<p><b>Physical Education</b></p> <p><i>Students may waive their physical education requirement by participating in at least one season of 2 separate extracurricular, fully-funded athletic teams, marching band, or cheerleading. By waiving this requirement, these students will be required to take an additional ½ credit elective during their high school career. Forms indicating this option are due by September 1.</i></p>	½	½
<p><b>Technology/Fine Arts/ Global Language/Business</b></p> <p><i>Students must take 2 semesters (1 credit) of Fine Arts in grades 7-12.</i></p>	1	2 (same Global Language) 1 (Fine Art)
<p><b>Additional Credits/Financial Literacy</b></p> <p><i>Students must take a Financial Literacy component in a given course in grades 9-12. The course at the high school that fulfills this requirement is Financial Literacy.</i></p>	5	
<p><b>Successful Completion of Senior Research Paper</b></p>		
<p><b>Total Credits Required</b></p>	21	

**To enhance your chances for admission to the university and academic program of your choice, you are encouraged to take the most rigorous curriculum available that is appropriate for you.**

In addition to the curricular graduation requirements noted above, all students must fulfill the ODE graduation requirements their graduation year.

# Ohio's High School Graduation Requirements

## Classes of 2023 and Beyond



It's Your **Future.** Get **Ready.**

**Before you know it, you'll be receiving your high school diploma. Ohio is giving you new ways to show the world what you can do with it.**

As a student entering ninth grade on or after **July 1, 2019**, Ohio's new high school graduation requirements give you more flexibility to choose a graduation pathway that builds on your strengths and passions – one that ensures you are ready for your next steps and excited about the future.

### First, cover the basics

You must earn a minimum total of 20 credits in specified subjects and take your required tests. Then, decide how you will round out your diploma requirements.

English language arts	4 credits
Health	½ credit
Mathematics	4 credits
Physical education	½ credit
Science	3 credits
Social studies	3 credits
Electives	5 credits

#### Other Requirements

You also must receive instruction in economics and financial literacy and complete at least two semesters of fine arts. Your district may require more than 20 credits to graduate.

### Second, show competency

Earn a passing score on Ohio's high school Algebra I and English II tests. Students who do not pass the test will be offered additional support and must retake the test at least once.

**Is testing not your strength?** After you have taken your tests, there are three additional ways to show competency!

#### Option 1.

##### Demonstrate Two Career-Focused Activities<sup>1</sup>:

###### Foundational

- Proficient scores on WebXams
- A 12-point industry credential
- A pre-apprenticeship or acceptance into an approved apprenticeship program

###### Supporting

- Work-based learning
- Earn the required score on WorkKeys Earn the OhioMeansJobs Readiness Seal

#### Option 2.

##### Enlist in the Military

Show evidence that you have signed a contract to enter a branch of the U.S. armed services upon graduation.

#### Option 3.

##### Complete College Coursework

Earn credit for one college-level math and/or college-level English course through Ohio's free College Credit Plus program.

<sup>1</sup>At least one of the two must be a Foundational skill.



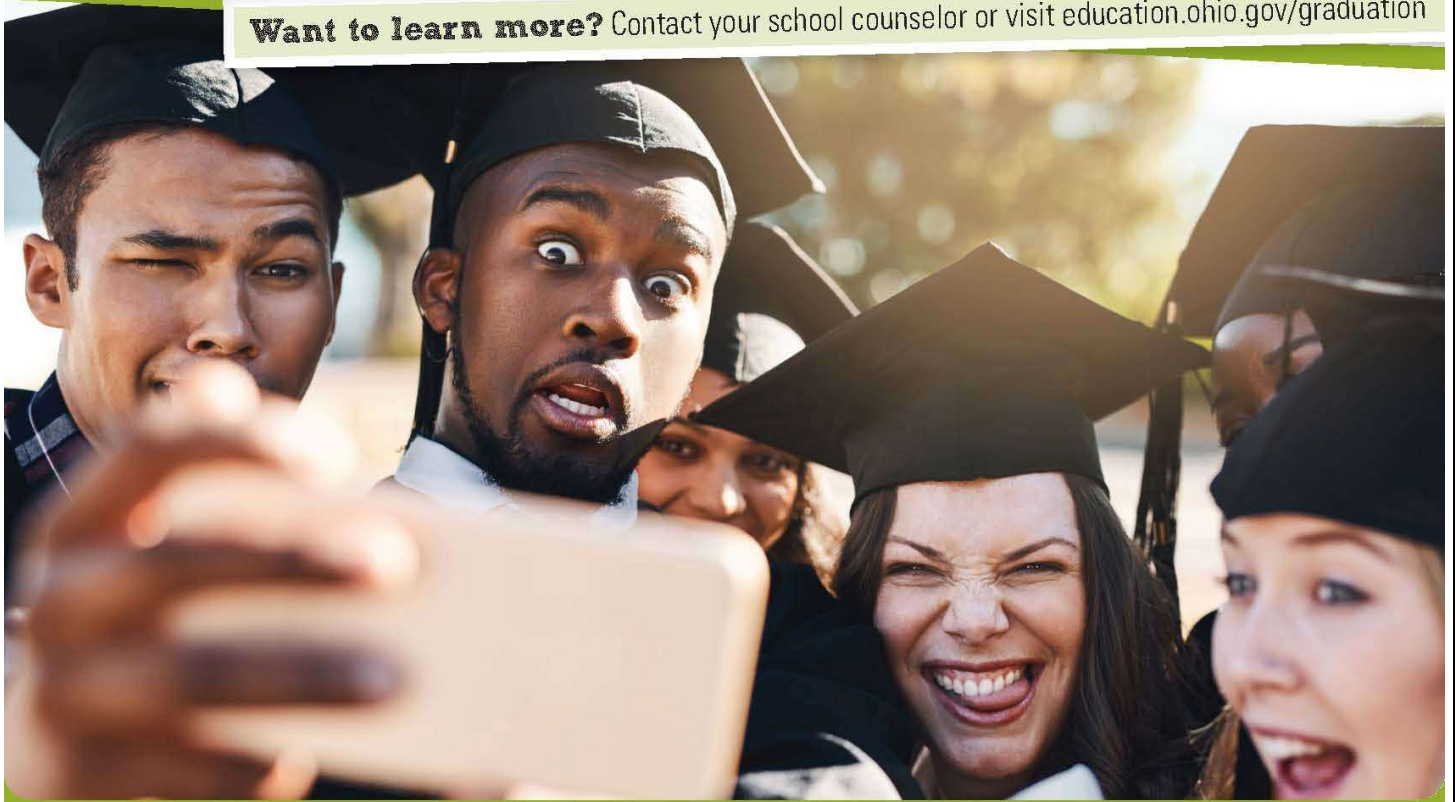
### **Third, show readiness**

Earn two of the following diploma seals, choosing those that line up with your goals and interests. These seals give you the chance to demonstrate academic, technical and professional skills and knowledge that align to your passions, interests and planned next steps after high school.

**At least one of the two must be Ohio-designed:**

- OhioMeansJobs Readiness Seal (Ohio)
- Industry-Recognized Credential Seal (Ohio)
- College-Ready Seal (Ohio)
- Military Enlistment Seal (Ohio)
- Citizenship Seal (Ohio)
- Science Seal (Ohio)
- Honors Diploma Seal (Ohio)
- Seal of Biliteracy (Ohio)
- Technology Seal (Ohio)
- Community Service Seal (Local)
- Fine and Performing Arts Seal (Local)
- Student Engagement Seal (Local)

**Want to learn more?** Contact your school counselor or visit [education.ohio.gov/graduation](http://education.ohio.gov/graduation)



# Graduation Seals – Local

Students must earn two graduation seals in order to fulfill the Readiness requirement for graduation. The Ohio Department of Education has developed nine state-level seals that are listed on the previous page; students must earn at least one seal from the state-level list. Specific information on the state-level seals can be found [here](#).

In addition to the seals developed at the state level, school districts have local control over three seal options. These are referred to as locally-developed seals. Granville High School's locally-developed seals are listed below:

## **Community Service Seal**

Students must complete 20 hours of community service with at least two non-profit organizations.

## **Fine and Performing Arts Seal**

Student must earn three points in the fine and/or performing arts based on the following:

- 0.5 points is earned for completion 0.5 credit class
- 1 point is earned for completion of 1 credit class
- 1 point is earned for participation in a theater production

## **Student Engagement Seal**

Students must participate in three or more seasons of school-sponsored, board-approved extracurricular activities.

## Comparison of Diplomas with Honors Criteria

*Students need to fulfill all but one criterion for any of the following Diplomas with Honors*

Subject	High School Academic Diploma with Honors	Career-Technical Diploma with Honors <i>(C-TEC Students)</i>	STEM Honors Diploma	Arts Honors Diploma <i>(Includes dance, drama/theatre, music, &amp; visual art)</i>	Social Science & Civic Engagement Honors Diploma
<b>English</b>	4 units	4 units	4 units	4 units	4 units
<b>Mathematics</b>	4 units, Algebra I, Geometry, Algebra II or equivalent and one higher level course or 4 course sequence that contains equivalent or higher content	4 units, Algebra I, Geometry, Algebra II or equivalent and one higher level course or 4 course sequence that contains equivalent or higher content	5 units, Algebra I, Geometry, Algebra II or equivalent and one higher level course or 4 course sequence that contains equivalent or higher content	4 units, Algebra I, Geometry, Algebra II or equivalent and one higher level course or 4 course sequence that contains equivalent or higher content	4 units, Algebra I, Geometry, Algebra II or equivalent and one higher level course or 4 course sequence that contains equivalent or higher content
<b>Science</b>	4 units, including two units of advanced science	4 units, including two units of advanced science	5 units, including two units of advanced science	3 units, including one unit of advanced science	3 units, including one unit of advanced science
<b>Social Studies</b>	4 units	4 units	3 units	3 units	5 units
<b>Global Language</b>	3 units of one world language, or no less than 2 units of each of two world languages studied	2 units of one world language studied	3 units of one world language, or no less than 2 units of each of two world languages studied	3 units of one world language, or no less than 2 units of each of two world languages studied	3 units of one world language, or no less than 2 units of each of two world languages studied
<b>Fine Arts</b>	1 unit	N/A	1 unit	4 units	1 unit
<b>Field Experience</b>	N/A	Complete a field experience and document the experience in a portfolio specific to the student's area of focus	Complete a field experience and document the experience in a portfolio specific to the student's area of focus	Complete a field experience and document the experience in a portfolio specific to the student's area of focus	Complete a field experience and document the experience in a portfolio specific to the student's area of focus
<b>Electives</b>	N/A	4 units of Career-Technical minimum.	2 units with a focus in STEM courses	2 units with a focus in fine arts course work	3 units with a focus in social sciences and/or civics
<b>Grade Point Average</b>	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale
<b>ACT/SAT Score</b> [excluding scores from the writing sections]*	27 ACT / 1280 SAT	27 ACT / 1280 SAT WorkKeys (6 Reading for information & 6 Applied Mathematics)	27 ACT / 1280 SAT	27 ACT / 1280 SAT	27 ACT / 1280 SAT
<b>Additional Assessment</b>	N/A	Earn an industry-recognized credential or achieve proficiency benchmark for appropriate Ohio Career-Technical Competency Assessment of equivalent	N/A	N/A	N/A

# NCAA Division I and II Eligibility Standards

## DIVISION I –16 Core-Course Rule

### 16 Core Courses:

4 years of English

3 years of mathematics (Algebra I or higher)

2 years of natural/physical science (1 year of lab if offered by high school)

1 year of additional English, mathematics or natural/physical science

2 years of social science

4 years of additional courses (from any area above, foreign language or non-doctrinal religion/philosophy)

10 of these core courses must be completed by the end of the student's junior year. These 10 courses are "locked" into their core course GPA calculation by the NCAA.

Only core courses are used in the calculation of the grade-point average. Be sure to look at the list of NCAA-approved core courses online.

**The Division I minimum GPA in core courses is a 2.0 to receive scholarship monies. A 2.3 GPA is required to compete as an incoming freshmen student at the college or university. A qualifying ACT or SAT score is also required based on the student's GPA. The higher the GPA, the lower the ACT/SAT score will be required. This sliding scale can be located on the GHS web site or the NCAA web site.**

## DIVISION II –16 Core-Course Rule

### 16 Core Courses:

3 years of English

2 years of mathematics (Algebra I or higher)

2 years of natural/physical science (1 year of lab if offered by high school)

3 years of additional English, mathematics or natural/physical science

2 years of social science

4 years of additional courses (from any area above, foreign language or non-doctrinal religion/philosophy)

**The Division II minimum GPA in core courses is a 2.0 to receive scholarship monies. A qualifying ACT or SAT score is also required based on the student's GPA. The higher the GPA, the lower the ACT/SAT score will be required. This sliding scale can be located on the GHS web site or the NCAA web site.**

## Test Scores

The SAT score used for NCAA purposes includes **only** the critical reading and math sections. The writing section of the SAT is not used. The ACT score used for NCAA purposes is a **sum** of the four sections on the ACT: English, mathematics, reading and science.

All SAT and ACT scores must be reported directly to the NCAA Eligibility Center by the testing agency. Test scores that appear on transcripts will not be used. When registering for the SAT or ACT, use the Eligibility Center code of 9999 to make sure the score is reported to the Eligibility Center.

## NCAA Core Classes at GHS

The list of NCAA Core class at Granville High School can be found [here](#). Enter the NCAA High School Code 362385 to search the course list.

# Hybrid Courses

New this year, Granville High School will be offering two Hybrid Courses. Hybrid courses will consist of a mix of in person and online lessons. Students will be required to report to class during their designated period at least two times per week. Students must meet minimum qualifications in order to not report certain days of the week for class. Students must remain above 75% in the course and have no fewer than 2 missing assignments. If a student consistently fails to meet these minimum requirements, they may be dropped from the Hybrid Model and placed into a traditional course setting.

## American Literature and Composition

One year  
1 credit  
Grade 11

Summer reading required  
Prerequisite: Successful completion of World  
Literature and Composition

**American Literature and Composition** is a third-year English course that emphasizes a critical approach to the study of American Literature. Readings will include various genres spanning the history of The United States. Emphasis is also placed on essay writing, and students will write analytical essays each quarter that focus on organizing and developing an argument. An MLA-formatted research paper of 6-8 pages is a required component of the course.

## British Literature and Composition

One year  
1 credit  
Grade 12

Summer reading required  
Prerequisite: Successful completion of American  
Literature and Composition

**British Literature and Composition** is a fourth-year English course that emphasizes a critical approach to the study of British Literature. Readings will include various genres from England, Ireland, and Scotland. Emphasis is also placed on essay writing, and students will write analytical essays each quarter that focus on organizing and developing an argument. An MLA-formatted research paper of 7-9 pages is a required component of the course.

# Online Courses

New this year, Granville High School will be offering the courses listed below as online courses. These courses are designed to help students with flexibility in their schedules and reduce scheduling conflicts. Students may take one of these courses any period in their schedule but will be placed in the Ace Period of the teacher conducting their online course. More information regarding can also be found in the specific subject area for the courses. The courses and important information are listed below:

1. Courses will consist of a set number of lessons each week:
  1. 5 Day School Week = 3 lessons
  2. 4 or 3 Day School Week = 2 lessons
  3. 2 or less School Day Week = 1 lesson
2. Lessons will be delivered the same time each week.
3. Lessons will be due at the same time each week.
4. Students will be required to meet with online instructor each Ace period if the following criteria is not met:
  - a. Minimum score of 75% in course
  - b. No more than 2 missing assignments
5. Students may be removed from the online course and placed in a traditional classroom if their progress consistently does not meet minimum requirements.
6. Assessments must be completed in person or at a scheduled online time via zoom to ensure academic integrity.
7. Students may use any academic period as a placeholder for their online course or use the course as a zero period.

## Financial Literacy

One semester	Fee may be required
½ credit	No prerequisite
Grades 10 to 12	

Semester-long course. This is the first course for the Business and Administrative Services, Finance and Marketing career fields. It introduces students to specializations within the three career fields. Students will obtain knowledge and skills in fundamental business activities. They will acquire knowledge of business processes, economics and business relationships. Students will use technology to synthesize and share business information. Employability skills, leadership and communications and personal financial literacy will be addressed.

## Art I

One year	Fee required
1 credit	No prerequisite
Grades 10 to 12	

This one-year online course includes application of the elements of art and principles of design and allows for student exploration of various media and techniques. These experiences will give students the opportunity to develop their individual style and creative problem-solving skills. Students will demonstrate their ability to respond, analyze and interpret their own artwork and the work of others through discussions, critiques, and writings. Art I is the required foundational course before the student may enroll in other art courses. Due to the online format, art supplies must be collected in person on a bi-quarterly basis and students will be expected to have access to the following materials at home: scissors,

pencil sharpener, ruler, glue stick, paper towels, and cup for watercolor. At the end of the year, students will return reusable materials such as scratchboard tools and watercolor palette.

## **Health**

One semester  
½ credit  
Grade 10 to 12

Fee required  
No prerequisite

This one semester course consists of a variety of lectures, group work, and guest speakers used to introduce and discuss all aspects of adolescent health. Students will gain an awareness and understanding of today's major health concerns. Emphasis will be placed on the following, but not limited to: health-related fitness components, skill-related fitness components, healthy relations, nutrition, mental health, substance abuse, first aid, CPR/AED training where you will become certified through the American Heart Association's Heartsaver program. Upon completion, students should be able to demonstrate an understanding of the factors necessary to maintain lifelong health and wellness.

## **Physical Fitness**

One semester  
¼ credit  
Grades 10 to 12

No prerequisite

This course is designed to educate students on the importance of exercise, physical activity, and living a healthy life style. The class includes written assignments, forum discussions, and a project. The topics include fitness goals, warm-up and cool-down, FITT principles, Health and Exercise related fitness, muscular strength, muscular endurance, cardiovascular fitness, and flexibility.



# SDL Courses

New this year, Granville High School will be offering Self-Directed Learning (SDL) Courses. The specifics of each course will vary by subject and teacher but will follow the same general guidelines. Students who select an SDL course will work with the instructor to develop a plan to how the student can demonstrate mastery of content standards. The design of the course is to allow students to have more autonomy to explore passions within a particular subject area.

Students must take an SDL course during the specific period in which it is offered. The course descriptions for SDL courses are below:

## US Government

One year  
1 credit  
Grade 11-12

Prerequisite: Brit Lit completed or concurrent  
Elective

This course is designed to provide an opportunity for students to take greater ownership of their learning by determining which parts of the US Government curriculum they would like to explore more in-depth. Students in this course will be guided through content required by the Ohio Department of Education standards for US Government, but the intent of the course is to allow students to devote time to the areas of the curriculum that they find the most interesting. Students will work with the teacher to develop projects that allow the student to explore different concepts, processes, and issues found in the US Government.

Students will have the opportunity to conduct thorough research in areas of interest, and/or create and implement take-action-projects that address areas of concern. Students will also have the opportunity to help determine the ways in which they will demonstrate their understanding; this may include: research papers, formal presentations/seminars, take-action projects, etc. Depending upon other course offerings and schedules, there may be opportunities for collaboration with other SDL courses.

## Modern History: A Literary Perspective

One year  
1 credit  
Grade 12

Prerequisite: Brit Lit completed or concurrent  
Elective

This project-based course will be built upon student interest and student-generated curriculum. Ultimately, each quarter will be spent researching the connection between literature and historical events. Topics and assessments, both formative and summative, will be determined through collaboration between the students and teacher, with a summative project at the end of each quarter. The summative quarter project will demonstrate knowledge of both literature and real-world events, ultimately building awareness of global issues for both the school and local community.

## English I

One year  
1 credit  
Grade 11-12

Prerequisite: Brit Lit completed or concurrent  
Elective

This course, guided by Ohio's Learning Standards for the English Language Arts, is built upon student curiosity and student-generated curriculum. Those enrolled will be provided with an area of English focus (a time period in literary history, a genre of literature or writing, a research or speech format, a particular literary or language device) and will choose how to pursue and demonstrate understanding of the concept based on their interest. A formal presentation, research paper, reading of various literary works, and analytical writing are required components of the course throughout the year, as is a final capstone project - potentially in collaboration with other SDL courses. Successful completion of the course will serve as one of the four English credits needed to graduate from GHS. For the 2023-24 school year, enrollment is open to juniors and seniors only.

# Work Based Learning

Granville High School defines work-based learning as “sustained interactions with industry or community professionals in real workplace settings, to the extent practicable, or simulated environments at an educational institution that fosters in-depth, firsthand engagement with the tasks required in a given career field, that are aligned to curriculum and instruction.”

Work-based learning consists of six possible categories that are listed with descriptions below. Students who are interested in possible work-based learning opportunities should speak to their counselor. Students may take up to 2 periods each semester of WBL. Only 12th grade students are eligible for off-campus WBL opportunities.

 <h3>Off-Site Placement or Internship</h3> <p>In an off-site placement or internship experience, the student is a paid employee or non-paid intern for a business or community partner. The student performs tasks and demonstrates skills necessary for the operation of the business or organization, as determined by the employer with additional guidance from the instructor or educational supervisor. In this type of work-based learning experience, work occurs off-site and can take place during school hours or when school is not in session.</p>	 <h3>Apprenticeship/ Pre-Apprenticeship</h3> <p>Pre-apprenticeships offer students an opportunity to participate in work-based learning experiences in designated occupations or industry sectors in preparation for formal registered apprenticeship training programs. Pre-apprenticeships follow recognition procedures as outlined by <a href="#">ApprenticeOhio</a>, Ohio's State Apprenticeship Council. Apprenticeships have similar but distinct registration requirements through <a href="#">ApprenticeOhio</a> to teach a skilled occupation pursuant to a registered apprenticeship agreement. Apprentices must be at least 16 years old, except when a higher minimum age standard is fixed by law.</p>	 <h3>Remote or Virtual Placement</h3> <p>In a virtual or remote placement experience, the student is a paid employee or non-paid intern for a business or community partner, but work-based learning most often takes place outside of the physical location of the employer. The student performs tasks and demonstrates skills necessary for the operation of the business or organization, as determined by the employer with additional guidance from the instructor or educational supervisor. Work can be completed during school hours or when school is not in session.</p>
 <h3>Entrepreneurship</h3> <p>In an entrepreneurship experience, the student operates his or her own business or service, including oversight of all operational and risk-management decisions. The student performs tasks and demonstrates skills necessary for the operation of the business, as determined in a business plan with input and guidance from the instructor or educational supervisor, as well as an external business mentor. Facilities, resources and equipment can be provided by the school or an outside source, if necessary. Work can be completed during school hours or when school is not in session. Planning completed prior to the operation of the business would not qualify as work-based learning experience.</p>	 <h3>School-based Enterprise</h3> <p>In a school-based enterprise, students work cooperatively to operate a business or service, with facilities, resources and equipment most often provided by the school. The students perform tasks and demonstrate skills necessary for the operation of the business, as determined in a business plan with input and guidance from the instructor or educational supervisor, as well as an external business mentor. The experience can be structured as a partnership or cooperative with an outside entity; when this is the case, a partnership agreement should define roles, responsibilities and profit distribution between participants. In this type of work-based learning experience, work often will be completed during school hours.</p>	 <h3>Simulated Work Environment</h3> <p>In a simulated work experience, the student works cooperatively with a business mentor to perform work in a simulated environment. The student performs tasks and demonstrates skills necessary for success in a particular industry, as determined by the business mentor with input and additional guidance from the instructor or educational supervisor. Facilities, resources and equipment can be provided by the school or an outside source, if necessary. The student should have the opportunity to practice interaction with customers or community members as is commiserate with the typical experience of the industry. Work can be completed during school hours or when school is not in session.</p>

# Business Pathway

## 9th Grade

Professional & Technical  
Sales  
Financial Literacy  
Human Resource  
Management  
Marketing  
Strategic  
Entrepreneurship

## 10th Grade

Professional & Technical  
Sales  
Financial Literacy  
Human Resource  
Management  
Marketing  
Strategic  
Entrepreneurship  
Online Financial Literacy

## 11th Grade

Professional & Technical  
Sales  
Financial Literacy  
Human Resource  
Management  
Marketing  
Strategic  
Entrepreneurship  
Online Financial Literacy

## 12th Grade

Professional & Technical  
Sales  
Financial Literacy  
Human Resource  
Management  
Marketing  
Strategic  
Entrepreneurship  
Online Financial Literacy

## Professional & Technical Sales

One semester  
½ credit  
Grades 9 to 12

Fee may be required  
No Prerequisite

Semester-long course. In this course, students will demonstrate sales processes and techniques used in a business-to-business environment. They will develop, grow, and maintain positive business relationships. Students will monitor trends and the business environment to determine the impact on their sales, customers, and competitors. They will negotiate and adjust prices and sales terms. Students will manage sales activities and territories. Technology, employability skills, leadership and communications will be incorporated in classroom activities.

## Financial Literacy

One semester  
½ credit  
Grades 9 to 12

Fee may be required  
No prerequisite

Semester-long course. This is the first course for the Business and Administrative Services, Finance and Marketing career fields. It introduces students to specializations within the three career fields. Students will obtain knowledge and skills in fundamental business activities. They will acquire knowledge of business processes, economics and business relationships. Students will use technology to synthesize and share business information. Employability skills, leadership and communications and personal financial literacy will be addressed.

## Marketing

One Semester  
1/2 credit  
Grades 9 to 12

Fee may be required  
No prerequisite

Students will obtain fundamental knowledge of marketing activities, including sales channels, marketing information management, marketing research, market planning, marketing communications, pricing, product and service management, branding and selling. They will conduct marketing research, identify target markets, conduct market and competitive analyses, forecast sales, set marketing goals, establish a marketing budget and develop a marketing plan. Legal and ethical issues in marketing will be addressed.

Employability skills, technology, leadership and communications will be incorporated in classroom activities.

## **Entrepreneurship**

One Year

Fee may be required

1 credit

No Prerequisite

Grades 9 to 12

Year long course. Students will build their "entrepreneurial mindset". Students will use innovation skills to generate ideas for new products and services, evaluate the feasibility of ideas, and develop a strategy for commercialization. They will use technology to select target markets, profile target customers, define the venture's mission, and create business plans. Students will take initial steps to establish a business. Students will calculate and forecast costs, break-even, and sales. They will establish a brand, set prices, promote products, and manage customer relationships. This course will include time building and maintaining the Student-Based Enterprise through hands-on work-based learning both in and out of the classroom.

# English

## 9th Grade

Literature Survey  
and Composition  
Advanced Literature  
Survey and  
Composition  
Creative Writing  
Elements of Literature  
Public Speaking

## 10th Grade

World Literature  
and Composition  
Advanced World  
Literature and  
Composition  
Creative Writing  
High School Publications  
Journalism  
Elements of Literature  
Public Speaking

## 11th Grade

American Literature  
and Composition  
AP English Language  
and Composition  
Creative Writing  
High School Publications  
Journalism  
Elements of Literature  
Public Speaking  
Film I: Film & Literature  
Film II: Film Production  
Hybrid American Lit.  
SDL English I

## 12th Grade

British Literature  
and Composition  
AP English Literature  
and Composition  
Creative Writing  
High School Publications  
Journalism  
Elements of Literature  
Modern History: A  
Literary Perspective  
Public Speaking  
Film I: Film & Literature  
Film II: Film Production  
Hybrid British Literature  
SDL English I

## POLICY FOR STUDENTS WHO INTEND TO GRADUATE EARLY

With the English Department's agreement, students who intend to graduate in three years rather than the traditional four, have the following options outside of testing out of the subject:

1. Students may take World Literature and Composition in summer school and then take American Literature and Composition in the tenth grade year and British Literature and Composition in the eleventh grade year.
- or
2. Students may take World Literature and Composition and American Literature and Composition together in the tenth grade year and then enroll in British Literature and Composition in the eleventh grade year.

Students who do not pass their required English course for the year may, upon successful completion of summer school or correspondence school, enroll in the next progressive level of English. If such students do not successfully complete the summer school or correspondence school course, they must enroll, again, for the course they failed and complete that course.

## Literature Survey and Composition

One year  
1 credit  
Grade 9

Summer reading required  
Prerequisite: Successful completion of  
8<sup>th</sup> grade English

**Literature Survey and Composition** is a first-year English course that emphasizes a critical approach to the study of general literature. Reading will include all genres, including fiction, non-fiction, drama, and poetry. Emphasis is also placed on essay writing. Students will write analytical essays each quarter that focus on organizing and developing an argument. An MLA-formatted research paper of 3-5 pages is a required component of the course.

## Advanced Literature Survey and Composition

One year  
1 credit  
Grade 9

Summer reading required  
Prerequisite: See below

**Advanced Literature Survey and Composition** is an intensive study of general literature. In reading, emphasis will be placed on critical thinking, making assertions, and analyzing the impact of literary devices within a work. Students will also write a great number of analytical essays each quarter that will focus not only on organizing an argument, but also effective argument development. An MLA-formatted research paper of 4-6 pages is a required component of the course. This course is open to first-year English students who have demonstrated proficiency and enthusiasm in English. It is also recommended that students who enroll in advanced English have an essay average of at least a 90% in general English and 80% in advanced English.

## World Literature and Composition

One year  
1 credit  
Grade 10

Summer reading required  
Prerequisite: Successful completion of Literature Survey and Composition

**World Literature and Composition** is a second-year English course that emphasizes a critical approach to the study of world literature. Readings will include various genres from Latin America, Asia, Africa, and Russia. Emphasis is also placed on essay writing, and students will write analytical essays each quarter that focus on organizing and developing an argument. An MLA-formatted research paper of 5-7 pages is a required component of the course.

## Advanced World Literature and Composition

One year  
1 credit  
Grade 10

Summer reading required  
Prerequisite: See below

**Advanced World Literature and Composition** is an intensive study of World Literature. In reading, emphasis will be placed on critical thinking, making assertions, and analyzing the impact of literary devices and rhetorical strategies within a work. Students will also write a great number of analytical essays each quarter that will focus not only on organizing an argument, but also effective argument development. An MLA-formatted research paper of 6-8 pages is a required component of the course. This course is open to second-year English students who have demonstrated proficiency and enthusiasm in English. It is also recommended that students who enroll in advanced English have an essay average of at least a 90% in general English and 80% in advanced English.

## American Literature and Composition

One year  
1 credit  
Grade 11

Summer reading required  
Prerequisite: Successful completion of World Literature and Composition

**American Literature and Composition** is a third-year English course that emphasizes a critical approach to the study of American Literature. Readings will include various genres spanning the history of The United States. Emphasis is also placed on essay writing, and students will write analytical essays each quarter that focus on organizing and developing an argument. An MLA-formatted research paper of 6-8 pages is a required component of the course.

## AP English Language and Composition

One year  
1 credit  
Grade 11

AP exam fee required  
Prerequisite: See below; Summer reading required

**Advanced Placement English Language and Composition** is an intensive study of language and argument. According to The College Board, the intention of this course is to “guide students in becoming curious, critical, and responsive readers of diverse texts, and becoming flexible, reflective writers of texts addressed to diverse audiences for diverse purposes.” Readings will include various genres with a focus on American Literature, and analytical essays will focus on argument, synthesis, and rhetorical analysis. An MLA-formatted research paper of 7-9 pages is a required component of the course. AP English Language and Composition is a preparatory course for the Advanced Placement test given in May of each year. Depending upon the student’s score on the test, college credit may be awarded to incoming freshmen. This course moves at a fast pace and requires much writing and independent, critical thinking of the student. This course is open to third-year English students who have demonstrated proficiency and enthusiasm in English. It is also recommended that students who enroll in AP Language and Composition have an essay average of at least a 90% in general English and 80% in advanced English.

## British Literature and Composition

One year  
1 credit  
Grade 12

Summer reading required  
Prerequisite: Successful completion of American Literature and Composition

**British Literature and Composition** is a fourth-year English course that emphasizes a critical approach to the study of British Literature. Readings will include various genres from England, Ireland, and Scotland. Emphasis is also placed on essay writing, and students will write analytical essays each quarter that focus on organizing and developing an argument. An MLA-formatted research paper of 7-9 pages is a required component of the course.

## AP English Literature and Composition

One year  
1 credit  
Grade 12

AP exam fee required  
Prerequisite: See below; Summer reading required

**Advanced Placement Literature and Composition** is an intensive study of literature and argument. According to The College Board, the course “engages students in the careful reading and critical analysis of imaginative literature.” Readings will include various genres, spanning the sixteenth century to present day, and including pieces by African, Russian, British, American, and Indian authors. As they read, students will consider a work’s structure, style, themes, and other literary elements. Additionally, students will write a great number of analytical essays focusing on analysis, interpretation, and evaluation of various works. An MLA-formatted research paper of 8-10 pages is a required component of the course. AP Literature and Composition is a preparatory course for the Advanced Placement test given in May of each year. Depending upon the student’s score on the test, college credit may be awarded to incoming freshmen. This course moves at a fast pace and requires much writing and independent, critical thinking of the student. This course is open to fourth-year English students who have demonstrated proficiency and enthusiasm in English. It is also recommended that students who enroll in AP Literature and Composition have an essay average of at least a 90% in general English and 80% in advanced English.



## High School Publications

One year	No fee required
1 credit	Elective
Grades 10 and 12	Prerequisite: Teacher approval by interview

**Publications** is open to sophomores through seniors who will be responsible for creation of the Granville High School Yearbook, *The Blue and White*. Members of the class will select a theme, organize content, sell advertising, take photographs, design layout and set copy. Work during lunch periods, study halls, and before and after school may be necessary.

## Creative Writing

One semester	No fee required
1/2 credit	Elective
Grades 9 to 12	Prerequisite: B or better in previous year's English course

**Creative Writing** is an English elective course open to students in all grade levels. Students will study examples of all genres of literature, including short stories, plays, and poems. As writing is completed, it will be compiled into a final, summative portfolio. Because of the breadth of this course, competence in writing is assumed.

## Public Speaking

One semester	No fee required
1/2 credit	Elective
Grades 9 to 12	No prerequisite

**Public Speaking** is an elective semester course designed to prepare students for collegiate and professional public speaking situations as well as high school competitive speech and debate. Students will learn many types of public speaking events taken from the Ohio Speech and Debate Association. These events will include impromptu speaking, debate, extemporaneous speaking, original oratory, duo, and oral interpretation as well as several others. Students will gain confidence in their public speaking skills while also perfecting their speech writing and interpretation.

## Film I: Film and Literature

One semester	No fee required
1/2 credit	Elective
Grades 11 and 12	No prerequisite

**Film and Literature** is open to juniors and seniors and is designed to help students become more knowledgeable about a media that exerts tremendous influence over our society. The course is focused on making connections by analyzing the relationship between literature, film, and society. During the semester, students will study the history of film and the mechanics of filmmaking from cinematography, directing, and screenwriting. After a common background in film is gained, students will read various works of literature and analyze their adaptation into film, presenting a full critique to classmates. Students will help design the themes and issues to explore during the semester.

## Film II: Film Production

One semester	No fee required
1/2 credit	Elective
Grades 11 and 12	Prerequisite: Film I

**Film II: Film Production** is a semester class for those students that have completed Film I with a specific interest in making films and pursuing Film Studies to greater depth. During the semester, students will study the foundations of film production. The students will form production teams and work a story concept through the production pipeline from screenplay, storyboard, filming, editing and post-production to create a short film.

## Multimedia Journalism

One semester	No fee required
1/2 credit	Elective
Grades 10 to 12	No prerequisite

Multimedia Journalism provides students with a solid foundation in the fundamentals of journalism while helping them develop multimedia skills through the production of school publications, including a newsmagazine, website, and social media. They will research, develop, and create compelling stories in a variety of forms including videos, podcasts, photo galleries, and traditional stories. Students will have opportunities to attend state and national conventions and enter competitions. This is a semester class, but students may take it both semesters, and they may take it over multiple years.

## Elements of Literature

One semester	Elective
1/2 credit	No prerequisite
Grades 9 to 12	

**Elements of Literature** is an elective course that corresponds to each English class in grades 9-12. It is intended to extend the concepts taught in English class, focusing on reading strategies, test-taking techniques, writing development, and the study of vocabulary and grammar.

## Modern History: A Literary Perspective

One year	Prerequisite: Brit Lit completed or concurrent
1 credit	Elective
Grade 12	

This project-based course will be built upon student interest and student-generated curriculum. Ultimately, each quarter will be spent researching the connection between literature and historical events. Topics and assessments, both formative and summative, will be determined through collaboration between the students and teacher, with a summative project at the end of each quarter. The summative quarter project will demonstrate knowledge of both literature and real-world events, ultimately building awareness of global issues for both the school and local community.

# Fine Arts

## 9th Grade

Art I  
 Digital I/II  
 Photography I/II  
 Blue Steel  
 Marching Band  
 Concert Band  
 Symphonic Band  
 Jazz Band  
 Prelude Orchestra  
 Sinfonia  
 Symphonic Choir  
 Tenor-Bass Chorus  
 Treble Chorus  
 Advanced Treble Chorus  
 AP Music Theory  
 Music Theory  
 Blue Notes  
 Ace-appellas  
 Drama I/II  
 Readers Theater

## 10th Grade

Art I  
 Digital I/II  
 Photography I/II  
 Drawing & Design I/II  
 Painting I/II  
 2-D/3-D Exploration I/II  
 Blue Steel  
 Marching Band  
 Concert Band  
 Symphonic Band  
 Jazz Band  
 Chamber Singers  
 Prelude Orchestra  
 Sinfonia  
 Symphonic Choir  
 Tenor-Bass Chorus  
 Treble Chorus  
 Advanced Treble Chorus  
 AP Music Theory  
 Music Theory  
 Blue Notes  
 Ace-appellas  
 Drama I/II  
 Acting & Improvisation  
 Online Art I

## 11th Grade

Art I  
 Digital I/II  
 Photography I/II  
 Drawing & Design I/II  
 Painting I/II  
 2-D/3-D Exploration I/II  
 Blue Steel  
 Marching Band  
 Concert Band  
 Symphonic Band  
 Jazz Band  
 Chamber Singers  
 Prelude Orchestra  
 Sinfonia  
 Symphonic Choir  
 Tenor-Bass Chorus  
 Treble Chorus  
 Advanced Treble Chorus  
 AP Music Theory  
 Music Theory  
 Blue Notes  
 Ace-appellas  
 Drama I/II  
 Acting & Improvisation  
 Online Art I

## 12th Grade

Art I  
 Digital I/II  
 Photography I/II  
 Drawing & Design I/II  
 Painting I/II  
 2-D/3-D Exploration I/II  
 Advanced Art/Portfolio I/II  
 Blue Steel  
 Marching Band  
 Concert Band  
 Symphonic Band  
 Jazz Band  
 Chamber Singers  
 Prelude Orchestra  
 Sinfonia  
 Symphonic Choir  
 Tenor-Bass Chorus  
 Treble Chorus  
 Advanced Treble Chorus  
 AP Music Theory  
 Music Theory  
 Blue Notes  
 Ace-appellas  
 Drama I/II  
 Acting & Improvisation  
 Online Art I

## The Fine Arts Department includes Art, Music, and Performing Arts

Every student must complete one credit in visual and/or performing arts to fulfill the Ohio Board of Regents' recommended college core for state-supported universities. Any course offered in any of these areas will fulfill that requirement. In the case of a Fine Arts offering that carries only 1/2 credit, two courses would be necessary to fulfill the requirement. One fine art credit is required for graduation and can be taken in any grade, 7-12.

### Art I

One year

1 credit

Grades 9 to 12

Fee required

No prerequisite

This one-year course includes studio application of the elements of art and principles of design and allows for student exploration of various media and techniques. These studio experiences will give students opportunities to work with a variety of media while developing student's individual style and creative problem-solving skills. Students will demonstrate their ability to respond, to analyze and to interpret their own artwork and the work of others through discussions, critiques, and writings. Art I is the required foundational course before the student may enroll in other art courses.

## **Drawing & Design I**

One semester  
1/2 credit  
Grades 10 to 12

Fee required  
Prerequisite: Art I

This course builds upon the students' technical skills and foundation of knowledge developed in Art I. Students will explore different approaches to drawing while rendering from observation, original and appropriated images, and imagination. Students will develop technical skills and communicate personal expression through creative problem solving. Students will demonstrate their ability to respond, analyze and interpret their own artwork and the work of others through discussions, critiques, and writings.

## **Drawing & Design II**

One semester  
1/2 credit  
Grades 10 to 12

Fee required  
Prerequisite: Art I and Drawing & Design I

This course builds upon the students' technical skills and foundation of knowledge developed in Drawing and Design I and allows for more individualized expression. The students' exploration of conceptual or thematic involvement becomes more central to their work. Students will use visual arts to express, communicate, and make meaning. Students will demonstrate their ability to respond, analyze and interpret their own artwork and the work of others through discussions, critiques, and writings.

## **Painting I**

One semester  
1/2 credit  
Grades 10 to 12

Fee required  
Prerequisite: Art I

This course allows students access to a wide range of technical and conceptual tools that expand upon the foundations learned in Art I. Further exploration of painting techniques that analyze the individual physical characteristics of various mediums will be introduced. Students will develop technical skills and communicate personal expression through creative problem solving. Students will demonstrate their ability to respond, analyze and interpret their own artwork and the work of others through discussions, critiques, and writings.

## **Painting II**

One semester  
1/2 credit  
Grades 10 to 12

Fee required  
Prerequisite: Art I and Painting I

This course builds on the skills and concepts learned in Painting I. Students will experiment with more complex techniques and processes, while learning to make a clear visual statement in a painting. Students will work from photos, observation, and imagination. Various art procedures and theories are presented in a project-based approach, allowing for critical thinking and personal solutions to problems. Students will demonstrate their ability to respond, analyze and interpret their own artwork and the work of others through discussions, critiques, and writings.

## 2-D/3-D Explorations I

One semester  
1/2 credit  
Grade 10-12

Fee required  
Prerequisite: Art 1

2D/3D Explorations I is a semester course and is designed for art students who want to explore various media of two and three-dimensional design. Students will have the opportunity to explore and gain an understanding and appreciation of art through working with materials such as clay, wire, plaster, cardboard, fiber, and textile processes. Students will expand their understanding of the elements and principles of design while examining, analyzing, and interpreting, historical and contemporary works of art through class discussions, critiques, and writings. Students will be expected to show a high level of quality, craftsmanship, and complexity in their artwork to demonstrate growth in problem solving and strengthening artistic expression and critical thinking.

## 2-D/3-D Explorations II

One semester  
1/2 credit  
Grade 10-12

Fee required  
Prerequisite: Art I and 2-D/3-D Explorations I

2D/3D Explorations II is a semester course that builds on the skills and concepts learned in 2D/3D Explorations I. Students will experiment with more complex techniques and processes, while learning to make a clear visual statement in their work. The students' exploration of conceptual ideas becomes more central to their work. The study of the elements of art and principles of design, vocabulary, and art history continues in 2D/3D Explorations II, with the potential exploration of new media and ideas. Students will use visual arts to express, communicate, and make meaning through composition while exploring conceptual ideas. Students will demonstrate their ability to respond, analyze and to interpret their own artwork and the work of others through discussions, critiques, and writings.

## Digital I

One semester  
1/2 credit  
teacher  
Grades 9 to 12

Fee required  
Prerequisite: Art I completed or concurrent with  
approval

This course focuses on the basics of digital art making within Photoshop and Illustrator. Students become comfortable working within raster and vector programs as they delve into the world of editing digital photos, illustrations, and other artwork. They learn to adjust resolution and exposure, modify color, compress data, and format and manage files. Students will use problem-solving strategies to create original artwork that is ready for web and print.

## Digital II

One semester  
1/2 credit  
teacher

Grades 9 to 12

Fee required  
Prerequisite: Art I completed or concurrent with approval and Digital I

This course builds upon skills learned in Digital 1 as students continue to become more independent in their artmaking endeavors. They will hone their individual digital art making skills based on personal career goals and interests. Students will use problem-solving strategies to individually create work and collaboratively engage in the creative process with artists, clients, printers, and/or web developers

## Photography I

One semester  
1/2 credit  
teacher

Grades 9 to 12

Fee required  
Prerequisite: Art I completed or concurrent with approval

This course starts with the basics of photography in order for students to gain more creative control using settings and functions, image manipulation, and compositional techniques. Photographs are shot in various studio, indoor, and outdoor settings using a digital camera. Students will also demonstrate the ability to respond, analyze and interpret their own artwork and the work of others through discussions, critiques, and writings. By the end of the semester, projects allow for more self-driven work based on individual interests.

## Photography II

One semester  
1/2 credit  
Grades 9 to 12

Fee required  
Prerequisite: Art I completed or concurrent with teacher approval and Photography I

This course builds upon the skills learned in Photography 1 and provides space for more self-directed artmaking. There is a focus on how to be intentional with light manipulation and composition in order to achieve individual goals. Students will develop their visual literacy skills as they critically examine their own imagery and that of professional photographers. By the end of the course, students use their camera to create purposeful photo-based artwork that speaks to a specific audience for commercial or expressive purposes.

## Advanced Art/Portfolio I: Traditional or Digital Pathway

One year  
1 credit  
Grade 12

Fee required  
Prerequisite: Art I + 1 sequence of art courses (ie: Drawing I & Drawing II)

This course is intended for the motivated, advanced art student who desires an individual approach to their studies as well as direction toward compiling a senior portfolio. In Advanced Art/Portfolio I, students will develop and expand their own visual style through in-depth independent exploration of media, techniques, and processes. Students will focus on painting, sculpture, drawing, photography, or digital art making respectively based on their previous class credits (e.g. a student who took Digital I and Digital II will focus on digital artmaking, students who have credits for Painting I and Painting II will focus on painting, etc.). Students will begin to develop their portfolio with the goal to demonstrate a

mastery of skills while showing their artistic range and ability. Students will demonstrate their ability to respond, analyze, and interpret their own artwork and the work of others through discussions, critiques, and writings.

## **Advanced Art/Portfolio II: Traditional or Digital Pathway**

One year  
1 credit  
Grade 12

Fee required  
Prerequisite: Art I + 1 sequence of art courses  
(ie: Drawing I & Drawing II) and  
Advanced Art/Portfolio I

This course is a continuation of Advanced Art/Portfolio I. Students will continue to develop and expand their own visual style through in-depth independent exploration of media, techniques, and processes. Coursework is designed to build mastery in technique, composition/design, research, experimentation, and creative problem solving. A completed senior portfolio will demonstrate high quality works of art based around a common theme or sustained investigation. The majority of the projects are individualized, so advanced art students need to be self-directed learners and will be responsible for developing a 9-week plan at the beginning of each grading period. Students will demonstrate their ability to respond, analyze, and interpret their own artwork and the work of others through discussions, critiques, and writings.

## **Blue Steel**

One year  
1/2 credit  
Grades 9 to 12

Must purchase mallets through instructor  
Prerequisite: Must be a member of band and either  
audition or have director's approval

Students in Blue Steel learn about the soca and calypso styles of steel drum playing. The history of the development of the steel drum is studied. Students learn proper performance protocol for steel drums, as well as proper playing techniques. Teamwork and comradeship are also expanded within the group. Blue Steel meets before school each morning. Practice time outside of class is limited due to the availability of the drums. Performance opportunities include football games, concerts and assemblies as well as contests.

## **Marching Band**

One semester  
1/2 credit  
Grades 9 to 12

Purchase of summer uniform and misc. uniform items  
Prerequisite: Full-year membership in band is  
required of all members to receive credit

Marching Band will meet in the fall four to five times a week after school for practices (usually between three to six hours a week) and will perform at the varsity football games on Friday nights. Marching Band will perform in the Homecoming Parade with other performances to be considered by the group. Marching Band students are also expected to attend pep band performances at basketball games. There will also be summer practices before school begins including pre-camp, band camp, and post-camp. Exact times are announced at parent meetings in February. Students will be expected to purchase their own summer uniforms, gloves, socks and shoes (summer uniforms, gloves and shoes must be purchased through the band director). Grades will be based upon participation, attitude, attendance, playing tests, and having proper equipment. Membership in Symphonic/Concert Band is required of all members unless granted special permission by the director.

## Symphonic Band

One year  
1 credit  
Grades 9 to 12

Fee required  
Prerequisite: Students must demonstrate advanced level skills on their instruments

Band literature for this group is very advanced and requires commitment to excellence and a strong personal desire to further instrumental skills. Music is taught in the regularly scheduled class time with the responsibility of perfecting the individual performance with individual practice time outside of the class. Students are graded on individual performance, written tests, daily participation and attendance at all performances. Students perform in all concerts including OMEA Large Group Contest and Solo and Ensemble Contest. Membership to this group is based on auditions done the previous year.

## Concert Band

One year  
1 credit  
Grades 9 to 12

Fee required  
No prerequisite

Band literature for this group becomes more challenging and requires commitment to excellence and a strong work ethic. Music is taught in the regularly scheduled class time with the responsibility of perfecting the individual performance with individual practice time outside of the class. Students are graded on individual performance, written tests, daily participation and attendance at all performances. Students perform in all concerts including OMEA Large Group Contest and Solo and Ensemble Contest.

## Jazz Band

One semester  
1/2 credit  
Grades 9 to 12

No fee required  
Prerequisite: Full-year membership in band is required of all members to receive credit

Students explore a variety of jazz styles and musical interpretations of them. Some jazz history is covered, but the focus of the course is performance. Students will also learn the basics of improvisation for solos. The jazz band will be split in to two groups based on auditions and will meet weekly on Monday and Wednesday after school from 3-4pm. The group will participate in jazz festival, other gigs around the community, and school concerts. Students will purchase their own t-shirt for the casual performances and be issued blue accessories to accent their school issued concert attire.

## Prelude Orchestra

One year  
1 credit  
Grades 9 to 12

No fee required  
No prerequisite

Prelude Orchestra is open to orchestra students in grades 9 and 10. Prelude Orchestra will participate in the Fall Concert, Holiday Concert, Solo and Ensemble Contest, State Orchestra Contest, Spring Concert and perform for Graduation. String technique, basic music theory and music history will be studied as it applies to the music studied. Juniors and seniors may participate with permission of the instructor.



## Sinfonia (Symphonic Orchestra)

One year  
1 credit  
Grades 9 to 12

No fee required  
No prerequisite

Sinfonia is open primarily to junior and senior orchestra members who want to perform in a chamber ensemble that puts more technical and musical demands on the individual. Members of this ensemble will study traditional orchestral chamber music, much of which will be at the High School class A and B levels, and will learn history and music theory that correlates with that music. This ensemble will perform at all traditional school concerts, will have the opportunity to perform at special events, and will perform in the annual Solo and Ensemble Contest. Members will perform in the Concert (full) Orchestra for the Holiday Concert, Orchestra Contest Concert, and State Orchestra Contest. Freshmen and sophomores may participate in this orchestra with permission of the instructor.

## Symphonic Choir

One year  
1 credit  
Grades 9 to 12

No fee required  
Prerequisite: Audition and instructor approval required.

**Symphonic choir** is a mixed group, typically juniors and seniors, of approximately 50-60 singers. Admission to this group requires an audition and instructor approval. Students must exhibit advanced vocal and musical skills. Literature for this choir requires consists of all styles and requires commitment to choral excellence and a strong desire to further vocal skills. There is required attendance at concerts and adjudicated events in addition to the classroom work. This choir will prepare literature to be performed with a symphony orchestra, as well as the adjudicated Ohio Music Education Association District Large Group event in March and state event in April. Students will be graded on vocal and written tests as well as performance participation. Private study is encouraged.

## Tenor-Bass Chorus

One year  
1 credit  
Grades 9 to 12

No fee required  
No prerequisite

This choir consists of all lower range voices in grades 9-12 with no audition required. Music performed by this group consists of all styles. Proper vocal techniques and music skills are stressed. Attendance is required at concerts and adjudicated events in addition to classroom work. Students will be graded on vocal and written tests as well as on performance participation.

## Treble Chorus

One year  
1 credit  
Grade 9-12

No fee required  
No prerequisite

This choir consists of all treble range voices with no audition required. Music performed by this group consists of all styles. Proper vocal techniques and music skills are stressed. Attendance is required at concerts and adjudicated events in addition to classroom work. Students will be graded on vocal and written tests as well as on performance participation.

## Advanced Treble Chorus

One year  
1 credit  
Grades 9-12

No fee required  
Prerequisite: Audition Required

This choir consists of treble range voices typically in grades 10-11, though enrollment is open to students in all grades. Admission to this group requires an audition and instructor approval. Students must exhibit advanced vocal and musical skills. Literature for this choir consists of all styles and requires commitment to choral excellence and a strong desire to further vocal skills. There is required attendance at concerts and adjudicated events in addition to the classroom work. Students will be graded on vocal and written tests as well as performance participation. Private study is encouraged.

## Music Theory

One semester  
1/2 credit  
Grades 9 to 12

Fee required  
No prerequisite

Grades 9 to 12 Students will explore the basic components of music (Pitch, Duration, Harmony Rhythm, and Form). Students will gain a working knowledge of how music is written by using the basic components of music and analyzing them through pre-written examples and later by writing their own selections. It is helpful for the student to have a working musical background and/or be actively involved in a musical activity. This course will also be beneficial for the student desiring to pursue music at the collegiate level.

## AP Music Theory

One year  
1 credit  
Grades 9 to 12

Fee required  
Prerequisite: Students must be enrolled in at least one class in our music dept. with signed approval from that teacher. Audition Required

Grades 9 to 12 Students will explore the basic components of music (Pitch, Duration, Harmony Rhythm, and Form). Students will gain a working knowledge of how music is written by using the basic components of music and analyzing them through pre-written examples and later by writing their own selections. It is important for the student to have a working musical background and/or be actively involved in a musical activity. This course will also be beneficial for the student desiring to pursue music at the collegiate level.

## Blue Notes

One year  
1/2 credit  
Grades 9 to 12

No fee required  
Prerequisite: Audition Required

**Blue Notes** is an a cappella mixed ensemble of 12-16 students grades 9-12. This ensemble includes singers and a vocal percussionist. Auditions are held in May of the previous school year. Students must be enrolled in band, choir, or orchestra to participate. Music will be from the jazz and popular genres. This group meets on late arrival days when possible, on Wednesdays after school, and will also make use of some Ace Periods. A camp is held the second week of August to prepare for the year. Grading is based on regular rehearsal attendance as well as several performances at festivals, concerts, and other events throughout the community.

## Ace-appellas

One year  
1/2 credit  
Grades 9 to 12

No fee required  
Prerequisite: Audition Required

**Ace-appellas** is an a cappella ensemble of 12-16 treble range voices. This ensemble includes singers and a vocal percussionist. Auditions are held in May of the previous school year. Students must be enrolled in band, choir, or orchestra to participate. Music will be from the jazz and popular genres. This group meets on Tuesdays after school and during some Ace Periods. A camp is held the second week of August to prepare for the year. Grading is based on regular rehearsal attendance as well as several performances at festivals, concerts, and other events throughout the community.

## Chamber Singers

One year  
1/2 credit  
Grades 10 to 12

No fee required  
Prerequisite: Students must be a current member of Symphonic Choir. Audition required.

Enrollment is limited to 24 members with required director approval and an audition. This group meets during regularly scheduled Symphonic Choir time as well some Ace Periods and over lunch. Choral Literature for this choir is advanced, mostly a cappella. Auditions will be held after the fall concert each year. Attendance is required at concerts and holiday “gigs” throughout the community during the holiday season as well as OMEA Solo and Ensemble in addition to the classroom work. Private study is recommended.

## Drama I

One semester  
1/2 credit  
Grades 9 to 12

No fee required  
No prerequisite  
This course does not fulfill an English credit.

Drama will be a survey course that includes all elements of production. It is designed for the student who has the interest to pursue the study of theatre as it relates to production. Plays will be discussed in terms of acting, scenery, costume and makeup design, lighting, directing, and dramatic structure. Students will do unit projects to apply concepts. Actual production application will be possible. Emphasis will be placed upon advanced actor training and directing and technical design.

## Drama II

One semester  
1/2 credit  
Grades 9 to 12

No fee required  
Prerequisite: Drama I  
This course does not fulfill an English credit.

Emphasis is placed on independent projects. The experience from Drama I will be expanded to include more in-depth study of acting and production technique. Practical application will result in the production of a one-act play to be entered in the Ohio Theatre Alliance One-Act Play Festival or an elementary production.

## **Acting & Improvisation**

One semester

1/2 credit

Grades 10 to 12

No fee required

Prerequisite: Drama I & II or by audition

This course does not fulfill an English credit.

This course builds on the acting and improvisational skills and techniques learned in Drama I and II. Students will build self-awareness, imagination and concentration, and develop strong presentation and performance skills. Students will perform monologues, scenes and improvisations on a weekly basis.

# Global Languages

## 9th Grade

French I  
French II  
Latin I  
Spanish I  
Spanish II

## 10th Grade

French I  
French II  
French III  
Latin I  
Latin II  
Spanish I  
Spanish II  
Spanish III

## 11th Grade

French I  
French II  
French III  
French IV  
Latin I  
Latin II  
Latin III  
Spanish I  
Spanish II  
Spanish III  
Spanish IV

## 12th Grade

French I  
French II  
French III  
French IV  
AP French V  
Latin I  
Latin II  
Latin III  
AP Latin IV  
Spanish I  
Spanish II  
Spanish III  
Spanish IV  
AP Spanish V

A student who has completed two years of French or Spanish study at the middle school level may enroll in level II of the same language or level I of a different language. Enrollment in a level II course coming from middle school requires that the level I grade be included on the student's transcript.

French and Spanish students have weekly access to a computer lab in which they have the opportunity to improve their aural and verbal skills. Students listen and respond to authentic recordings of native speakers and also record their own voices to improve their speaking skills.

Additionally, all world language students have the opportunity to practice grammar, vocabulary and culture by accessing the Quia website and other Internet sites appropriate to their specific course of study.

## French I

One year  
1 credit  
Grades 9 to 12

Students purchase workbook  
No prerequisite

The French I course develops beginning skills in speaking, writing, reading and listening. Students are introduced to culture, vocabulary and grammatical structures to express personal information, meet basic needs and discuss familiar topics. The text presents scenes of daily life in France and other Francophone countries from around the world. Students learn about the lives of French speakers from France, Canada, Africa, Polynesia, and the Caribbean.

## French II

One year  
1 credit  
Grades 9 to 12

Students purchase workbook  
French/English dictionary recommended  
Prerequisite: French I or 7th & 8th grade  
**French (C or above recommended)**

French II is a course which strengthens and builds on the communication skills and proficiencies developed in French I or 7<sup>th</sup>/8<sup>th</sup> grade French. Students will continue to develop and refine speaking,

reading, listening and writing proficiencies. Our course will begin with a review of previously learned material which is the foundation for this course. We will supplement units from the **T'es Branché** textbook with a variety of authentic documents, short stories, plays, videos, films, and contemporary and traditional music. Students will continue to explore the cultures of French speaking communities with an emphasis on daily life and customs.

### French III

One year	Students purchase workbook
1 credit	French/English dictionary required
Grades 10 to 12	Prerequisite: French II ( <b>C or above recommended</b> )

This course incorporates speaking, listening, reading, and writing activities. Grammatical structures are reviewed, and a few new structures are introduced. Students will read various short stories and excerpts, as well as cultural information on francophone countries. Students will have the opportunity to create skits and to role-play, and to participate in group and individual presentations. Students will practice writing by means of creative writing and essays. Aspects of French culture, especially an in-depth look at the various regions and provinces of France, will be part of the curriculum.

### French IV

One year	Students purchase workbook
1 credit	French/English dictionary required
Grades 11 and 12	Prerequisite: French III ( <b>C or above recommended</b> )

Reading of various works in French is an important element of this course. We will be reading short stories and longer texts such as *Le Comte de Monte-Cristo*. Students will have writing practice in the form of essays and creative writing, and they will listen to audio materials for listening comprehension practice. Students will have the opportunity to practice speaking French daily, and grammatical structures will be reviewed. French culture will be included, especially the history of France.

### AP French V

One year	AP exam and workbook fee required
1 credit	English/French dictionary required
Grade 12	Prerequisite: French IV ( <b>83% average or above on major tests and papers</b> )

Advanced Placement French is a preparatory course for the AP test given in May of each year. Depending on the student's score on the test, college credit may be awarded at the college where the student enrolls as a first-year student. Since different colleges and departments within the colleges have varying standards, students may wish to consult their prospective colleges regarding credit. This course is weighted an additional 1.0 GPA point for all final grades of B- and above.

Students read selections by authors from the seventeenth century to the present, with attendant vocabulary study, analysis, compositions and topics for discussion. Special emphasis is given to Zola (*J'Accuse*), Sartre (*Huis Clos*), and the Theater of the Absurd. Grammar will be reviewed, and students will have ample practice of speaking and listening comprehension. Aspects of modern French and francophone culture will also be included.

Students may be required to take an official practice AP exam during either the third or fourth quarter. The score for this test will count up to 15% of that quarter's grade.

## Latin I

One year  
1 credit  
Grades 9 to 12

Students purchase workbook  
No prerequisite

Latin I is designed to provide an initial understanding of Latin, the language of the Romans and the many societies who used the language as well as the backbone to a number of modern languages. Using a variety of resources and techniques, the course prepares students to connect their knowledge and interests from all facets of life to the expansive world offered through Latin. Implementing modern concepts and techniques for our understanding of how the past shapes our present and future, we will explore the ways in which Latin influences our English heritage, what it was like to be a Roman, and how we can take the valuable lessons provided through Latin and make them useful in our modern lives. Mythology, history, science, grammar, politics, war, the arts, and so much more all come together through the innovative lessons found in this course.

## Latin II

One year  
1 credit  
Grades 10 to 12

Students purchase workbook  
Prerequisite: Latin I (**C or above recommended**)

Latin II focuses on increased Latin comprehension while reviewing important principles of Latin I. The course continues the program's focus of providing culture, mythology, history, and connections to other high school courses, including science, English, and Social Studies courses. Latin grammar and vocabulary is taught through stories ranging from heroes to gods to life stories of Roman people. Innovative lessons help students connect to the course in ways that promote their personal interests and growth. The ability for students to explore and use the course as a way to impact their personal life and interests is encouraged, using Latin as their primary mode of communication to make these connections.

## Latin III

One year  
1 credit  
Grades 11 and 12

Students purchase workbook and dictionary  
Prerequisite: Latin II (**C or above recommended**)

During the first semester, students will continue to study the language and other connections as offered in the first two levels of the program. This also allows for finer details of Latin to be covered so a deeper understanding of the language and its vocabulary can take place. In the second semester, an emphasis is placed on authors from the Roman period to provide our understanding of the language and the lessons offered within. Students also have an opportunity to complete their understanding of how Latin and its lessons can impact their personal lives through personalized projects. These projects provide student freedom to express themselves and their perspective of who they are and what they want to become through their knowledge gained in the Latin program.

## AP Latin IV

One year  
1 credit  
Grade 12

AP exam fee and course resources required  
Prerequisite: Latin III (**80% average or above on major tests and papers**)

In the final year of Latin, students read the *Aeneid*, Vergil's epic poetical masterpiece and the *Gallic Wars*, written by Julius Caesar. Selections from throughout each author are read in Latin, while the remaining material is presented in English translation. Special attention is given to Vergil and Caesar's style and literary devices, as well as their most famous verses/chapters. Grammar and vocabulary study are included, as needed. Continued derivative study is offered. Following the syllabus published by the College Board, these students are expected to be able to translate accurately the *Aeneid* and the *Gallic Wars* from Latin into English and to demonstrate a grasp of the grammatical structures and vocabulary used by Vergil.

Advanced Placement Latin is a preparatory course for the AP test given in May of each year. Depending on the student's score on the test, college credit may be awarded at the college where the student enrolls as a first-year student. Since different colleges and departments within the colleges have varying standards, students may wish to consult their prospective colleges regarding credit. This course is weighted an additional 1.0 GPA point for all final grades of B- and above.

All students will be required to take practice AP exams throughout the entire year and complete work relevant to these authors for the purpose of being prepared to take the AP exam in May.

## Spanish I

One year

1 credit

Grades 9 to 12

Students purchase reader

No prerequisite

In Spanish I, students begin to understand, speak, read, and write beginning-level Spanish, always working toward developing communicative competence. Various vocabulary themes that focus on everyday life are introduced and students learn grammatical structures to support meaningful communication. Students also begin to understand and appreciate the diversity of the Spanish-speaking cultures. The study of Latin American countries is highlighted, along with a study of Latin communities in the United States. In studying the Spanish language and many Spanish-speaking cultures, students will make connections with other subject areas and make comparisons with their own language and culture.

## Spanish II

One year

1 credit

Grades 9 to 12

Students purchase reader

Prerequisite: Spanish I (**C or above recommended**)

Spanish II students review the vocabulary, grammar and culture introduced in level I and continue to work on the two state standards of Communication and Culture. The most commonly used vocabulary and grammatical structures are presented within a meaningful context to aid in the acquisition of the language. Focus is placed on the interpretive skills of reading and listening as a means of giving students substantial input of the language. The expressive skills of speaking and writing will also be evaluated with the understanding that receptive skills precede expressive skills. Various stories, movie clips, music, videos along with on-line authentic resources, will be used to reinforce language acquisition.



## Spanish III

One year  
1 credit  
Grades 10 to 12

Students purchase workbook  
Prerequisite: Spanish II (**C or above recommended**)

This course incorporates speaking, listening, reading and writing activities. Students will continue to learn new grammatical structures as well as review those already learned. They will also review/learn how to perform linguistic functions (e.g. making recommendations or expressing displeasure). In order to improve their language skills, students are encouraged to speak Spanish through a wide variety of activities, such as group/individual projects/presentations, role-playing activities, paired activities, language lab activities, etc.

## Spanish IV

One year  
1 credit  
Grades 11 and 12

Students purchase workbook  
Prerequisite: Spanish III (**C or above recommended**)

This course is a continuation of Spanish III with great emphasis placed on oral-aural skills. It is designed to improve speaking, listening, reading and writing skills through the use of recordings, videos, and short stories. Students continue a review of previously learned grammatical topics and also learn new grammatical concepts. In order to increase their linguistic ability, students are given many opportunities to speak Spanish in this class.

## AP Spanish V

One year  
1 credit  
Grade 12

AP exam fee and workbook fee required  
Prerequisite: Spanish IV (88% average or  
above on major tests and papers)

This is a preparatory course for the AP Test given in May of each year. Depending on the student's score on the test, college credit may be awarded at the college where the student enrolls as a first-year student. Since different colleges and department within the colleges have varying standards, students may wish to consult their prospective colleges regarding credit. This course is weighted an additional 1.0 GPA point for all final grades of B- and above.

The AP Spanish language exam includes reading comprehension, grammar, speaking and essays. The students selecting this AP course should be aware that they need to do additional outside work (writing essays, reading extra novels or stories, practicing grammar on the computer and practicing speaking in the lab). It is absolutely imperative that students in this course take advantage of every opportunity to speak, listen to, read, and write Spanish. Students may be required to take an official practice AP exam during either the third or fourth quarter. The score for this test will count up to 15% of that quarter's grade.

# Leadership

**9th Grade**

**10th Grade**

Mentoring and School  
Leadership

**11th Grade**

Mentoring and School  
Leadership

**12th Grade**

Mentoring and School  
Leadership

## **Mentoring and School Leadership**

One year

1/2 credit

Grades 10 to 12

No fee required

Prerequisite: Completion of application

and acceptance into the program

The Mentoring and School Leadership program is a year-long course designed as a mentoring program to assist freshmen in transitioning to high school life. This program is open only to sophomores thru seniors and requires they have a year-long study hall during the same period. Upperclassmen (including sophomores) interested in this program will be required to fill out an application to be selected for this program. If selected, the student will be a mentor for a small group of freshmen during his/her study hall. Students in this program will be required to take part in an orientation before school starts. Student mentors will plan mini-lessons for freshmen in the areas of study skills, organization, and other aspects of high school life. Student mentors will also assist in peer tutoring and act as liaisons for extra help for their freshmen group members.

# Mathematics

## 9th Grade

Introduction to Algebra  
Algebra I  
Geometry  
Advanced Geometry  
Algebra II  
Advanced Algebra II

## 10th Grade

Algebra I  
Geometry  
Advanced Geometry  
Algebra II  
Advanced Algebra II

## 11th Grade

Geometry  
Algebra II  
Fundamentals of Calculus  
Pre-Calculus  
IAP  
Statistics/AP Statistics  
AP Calculus

## 12th Grade

Algebra II  
IAP  
Statistics/AP Statistics  
Pre-Calculus  
Fundamentals of Calculus  
AP Calculus  
Algebra II Modeling &  
Reasoning

**A TI-84 or TI-84 Plus graphing calculator is required for all math classes.**

## Algebra I (Blocked with Intro to Algebra)

One year  
2 credits  
Grade 9

No fee required  
Prerequisite: Not open to students with  
Algebra I credit

This course is designed for the student who is in need of additional support to complete the algebra curriculum. The course revisits all topics covered in 8<sup>th</sup> grade Math and then immediately begins the Algebra I curriculum. The course is designed to allow additional time to support those who have gaps in their math skills.

## Algebra I

One year  
1 credit  
Grades 9 to 10

No fee required  
No prerequisite

Algebra I is a course requiring the student to think and understand in an abstract fashion, and is a continuation of topics from previous courses. The following topics are covered: the number system; exponents; solving, graphing, and writing linear equations and inequalities; linear systems; polynomials; factoring; nonlinear relationships including quadratic and exponential functions; and the basic concepts of data analysis and probability. Algebra I is essential for good understanding in taking Geometry and Algebra II, as well as other advanced mathematics.

## Geometry

One year  
1 credit  
Grades 9 to 11

No fee required  
Prerequisite: Algebra I or the equivalent

This course begins with a review of linear equations followed by a section of probability. The majority of the year will be spent discovering and applying relationships involving lines, angles, triangles, quadrilaterals, circles, and regular polygons. This will include an introduction to proof writing. Then the students will move on to more problem-based material including coordinate geometry, ratios and proportions, trigonometry, and transformations. Algebra is consistently embedded in this course.

## Advanced Geometry

One year  
1 credit  
Grades 9 to 10

No fee required  
Prerequisite: Grade of A or better in Algebra I and  
teacher recommendation

This course follows the same curriculum as regular Geometry. However, students should expect a more rigorous experience involving intense algebra processes and open-ended proof writing. In order for students to be successful in this class, they should have received a grade of A or better in their Algebra I course.

## Algebra II

One year  
1 credit  
Grades 9 to 12

No fee required  
Prerequisite: Geometry and Algebra I  
grade of C or better

This course includes a review of the basics of first year Algebra and the development of the real and complex number systems. The students will also study linear, quadratic and exponential functions, logarithms and conic sections. The course stresses both the structure of Algebra and the development of computational skills. Problem-solving techniques are emphasized and refined through practical applications. This course should provide the student with the mathematical background necessary for the study of the physical sciences and further study of mathematics.

## Advanced Algebra II

One year  
1 credit  
Grades 9 to 10

No fee required  
Prerequisite: Geometry and Algebra I  
grade of A or better and teacher  
recommendation

Advanced Algebra II will include all of the topics in our traditional Algebra II class omitting the Algebra I review and computational skills. In addition, Advanced Algebra II will be more in-depth, move at a quicker pace, include more challenging problems, and overall sustain a **very high cognitive level**. This class will also include a complete trigonometry unit and prepare the student for more advanced honors level mathematic courses.

## Statistics

One year  
1 credit  
Grades 11 to 12

No fee required  
Elective  
Prerequisite: Algebra II or Alg. II w/Physics

The purpose of a course in probability and statistics is to introduce students to major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to the following broad conceptual themes:

1. Exploring Data: Describing patterns and departures from patterns
2. Sampling and Experimentation: Planning and conducting a survey
3. Anticipating Patterns: Exploring random phenomena using probability and simulation.
4. Statistical Inference: Estimating population parameters and testing hypotheses.
5. Use of technology: Learn to use statistical software to organize, display and calculate statistical information from data.

6. Probability: Apply basic rules of probability and the law of large numbers to explore the connections between probability and statistics.

The course is designed for the student with a strong interest in going to college in a field of study outside of mathematics and/or sciences. The course will provide a strong foundation in statistics and probability.

## AP Statistics

One year	AP exam fee required
1 credit	Prerequisite: Algebra II
Grades 11 to 12	

The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data at a collegiate level. Students are exposed to the following broad conceptual themes:

1. Exploring Data: Describing patterns and departures from patterns
2. Sampling and Experimentation: Planning and conducting a study
3. Anticipating Patterns: Exploring random phenomena using probability and simulation
4. Statistical Inference: Estimating population parameters and testing hypotheses
5. Probability: Apply basic rules of probability and the law of large numbers to explore the connections between probability and statistics.

Students who successfully complete the course and exam may receive credit, advanced placement, or both for a one-semester introductory college statistics course.

## Algebra II Modeling and Reasoning

One year	No fee required
1 credit	Prerequisite: Geometry
Grade 12	

Quantitative Reasoning is the application of mathematics to the analysis and interpretation of real-world information. This course promotes reasoning, problem-solving and modeling through thematic units focused on mathematical practices while reinforcing and extending content in, algebra, functions, statistics, probability, geometry, number, and quantity. The main objective of this course is for students to learn how to interpret real-life situations in ways that allow mathematical tools to be used to generate useful solutions. This course is not for students who plan to need calculus for their college or careers. This course is an algebra II equivalent that meets the graduation requirement.

## Pre-Calculus

One year	No fee required
1 credit	Prerequisite: Grade of C or higher in Algebra II or on the ALPh exam
Grades 11 to 12	

Students who have enjoyed a reasonable amount of success in previous math studies should consider this course in advanced math a good way to summarize and expand their math knowledge to date. Students who wish to maintain their option to pursue a career in technical or scientific fields are strongly advised to participate in this course. Pre-Calculus introduces and develops concepts of linear, polynomial and rational functions. Trigonometric graphs, identities, and trig equations are explored in depth. Basic vector operations, polar coordinates, complex numbers and exponential/logarithmic functions make up the latter part of the year.

## AP Pre-Calculus - Integrated with Physics (I.A.P.)

One year  
1 credit  
Grades 10 to 12

Lab fee required  
Prerequisite: Grade of B or higher in  
Algebra II

I.A.P. is the integration of pre-calculus and trigonometry with physics. Due to this integration this course is a blocked schedule earning a science and math credit. This integrated approach provides for a deeper understanding of both the mathematics and science. Students will incorporate a variety of critical thinking, synthesis, and analysis skills. Students soon realize how knowledge of mathematics facilitates a deeper understanding of physics, and how physics provides an immediate application of the mathematics concepts. This college preparatory lab course examines kinematics, forces, momentum, energy, waves including, sound & light, electricity, circular motion, projectiles, finite and infinite series, limits, polynomial functions, calculus, exponentials/logarithms and trigonometry. Students will participate in a variety of assignments, laboratories, and projects that show the relevance of physics and mathematics to everyday life.

## Fundamentals of Calculus

One year  
1 credit  
Grades 11 to 12

No fee required  
Prerequisite: IAP or Pre-Calculus

This course is designed for the student who was challenged by Pre-Calculus or IAP but did not qualify for AP Calculus. This course is an introduction to Calculus concepts including limits and continuity, derivatives and their applications, and integrals and their applications.

## AP Calculus AB

One year  
One credit  
Grades 11 to 12

AP exam fee required  
Prerequisite: Grade of 83% average or  
higher in IAP or Pre-Calculus  
Summer work required

This course is the next step in the sequence of courses to be taken by students who plan to continue studying mathematics or science at the college level. The syllabus for this course is the Calculus AB syllabus published by The College Board.

## AP Calculus ABC

One year  
2 credits  
Grades 11 to 12

AP exam fee required  
Prerequisite: Grade of 90% average or  
higher in IAP or Pre-Calculus

ABC Calculus is a double-blocked course for students interested in preparing for the BC calculus exam. This course will cover all of the topics of calculus AB and calculus BC as outlined by the College Board. It is a rigorous course that will meet for two periods on certain days to be able to cover all of the required materials before the AP exam. This course is for students who have completed Pre-Calculus or IAP and who **are recommended by their previous math teacher**. Students who take this course and take the AP Calculus BC exam have the opportunity to earn college credit for 2 semesters of calculus depending on their AP test score and the institution which they attend for college.

## AP Calculus BC

One year  
1 credit  
Grades 11 to 12

AP exam fee required  
Prerequisite: Grade of 83% average or  
higher in AP Calculus AB

This course is the next step in the sequence of courses to be taken by students who plan to continue studying mathematics or science at the college level. The syllabus for this course is the Calculus BC syllabus published by The College Board.

## Study Skills Math

One semester  
1/2 credit  
Grades 9 to 12

No fee required  
No prerequisite

**Study Skills Math** is an elective course that supports math classes in grades 9-12. It is designed to extend and support skills and concepts learned in math courses throughout high school. Students should expect targeted academic reinforcement as well as additional opportunities for practice.

# Physical Education/Health

## 9th Grade

Coed Team Sports  
 Core Training  
 Health  
 Physical Fitness  
 Sports Medicine  
 Weight Training  
 Strength Training  
 Yoga and Mindfulness

## 10th Grade

Coed Team Sports  
 Core Training  
 Health  
 Physical Fitness  
 Sports Medicine  
 Weight Training  
 Strength Training  
 Yoga and Mindfulness  
 Online Health  
 Online Physical Fitness

## 11th Grade

Coed Team Sports  
 Core Training  
 Health  
 Physical Fitness  
 Sports Medicine  
 Weight Training  
 Strength Training  
 Yoga and Mindfulness  
 Online Health  
 Online Physical Fitness

## 12th Grade

Coed Team Sports  
 Core Training  
 Health  
 Physical Fitness  
 Sports Medicine  
 Weight Training  
 Strength Training  
 Yoga and Mindfulness  
 Online Health  
 Online Physical Fitness

Every student must complete 0.5 credits of Physical Education (PE) and 0.5 credits of Health to satisfy graduation requirements. In the case of PE offerings, each course is worth 0.25 credits. Successful completion of two PE courses would be necessary to fulfill the graduation requirement. Students may waive their physical education requirement by participating in at least one season of two separate extra-curricular, fully-funded athletic teams, marching band, or cheerleading. By waiving this requirement, these students will be required to take an additional ½ credit elective during their high school career. Students must fill out a *Physical Education Exemption* form in the guidance office with their intended plan to waive their PE classes. Students must begin the exemption requirement during their 9<sup>th</sup> grade year, and complete it by the end of their sophomore year.

## Coed Team Sports

One semester  
 ¼ credit  
 Grades 9 to 12

No prerequisite

This course is designed to integrate cooperative skills in the areas of technique and strategy as they pertain to team sports. Sports may include but are not limited to court sports, field sports, net/wall sports and will involve student choice upon enrollment. Students will learn rules, strategies, techniques, and fundamentals of each team sport. Fitness concepts and activities will be incorporated to enhance student's well-being. Students will be evaluated on their participation, ability to execute rules, incorporate strategy, and exhibit good sportsmanship.

## Core Training

One semester  
 ¼ credit  
 Grades 9 to 12

No prerequisite

This course is designed to build core strength through body weight exercises and the use of medicine balls and free weights (dumbbells) to build core strength and functional fitness. Designed to tone the entire body with special emphasis on progressively challenging the spinal extensors and deep abdominal muscles.



## Health

One semester  
½ credit  
Grade 9 to 12

Fee required  
No prerequisite

This one semester course consists of a variety of lectures, group work, and guest speakers used to introduce and discuss all aspects of adolescent health. Students will gain an awareness and understanding of today's major health concerns. Emphasis will be placed on the following, but not limited to: health-related fitness components, skill-related fitness components, healthy relations, nutrition, mental health, substance abuse, first aid, CPR/AED training where you will become certified through the American Heart Association's Heartsaver program. Upon completion, students should be able to demonstrate an understanding of the factors necessary to maintain lifelong health and wellness.

## Physical Fitness

One semester  
¼ credit  
Grades 9 to 12

No prerequisite

This course is designed to educate students on the importance of exercise, physical activity, and living a healthy life style. The class includes written assignments, forum discussions, and a project. The topics include fitness goals, warm-up and cool-down, FITT principles, Health and Exercise related fitness, muscular strength, muscular endurance, cardiovascular fitness, and flexibility.

## Sports Medicine

One semester  
½ credit  
Grade 9 to 12

Fee required  
Prerequisite: Health

This one semester elective course consists of both lecture and lab-based instruction to provide students with an overview of the various divisions of Sports Medicine. As an introductory course, this class orients students to the basic concepts involved in assessing, treating and rehabilitating athletic injuries. Students will evaluate, treat and conduct different testing techniques related to athletic training. Students will be introduced to various therapeutic modalities with time spent in the athletic training room and weight room facility. Additionally, students will be taught how to properly apply basic taping, wrapping, bracing, and padding techniques that are common practice in athletic training and sports medicine.

## Yoga and Mindfulness

One semester  
¼ credit  
Grades 9 to 12

No prerequisite

Every student can benefit from mindful movement and mental stillness. Yoga and Mindfulness class is designed to help students experience the benefits of mindful practice and help them incorporate stress-reduction techniques into their everyday lives

## **Weight Training /Strength Training**

One semester  
¼ credit  
Grades 9 to 12

No prerequisite

Focuses on muscular strength and endurance through resistance training with use of free weights. Emphasizes safe and effective resistance training principles and muscular strength and endurance. This course is designed for all students regardless of prior strength training experience and weight room use. In this course students will be instructed in proper lifting and spotting techniques along with safety procedures. Students will be introduced to the benefits of strength training and its contributions to overall health. Workouts will be customized to meet individual's desired results. It will help the students develop activity and personal fitness plans to meet their needs now and in the future. This course has the flexibility of working with coaches and athletes to help with conditioning and training during the season and off season.

# Science

## 9th Grade

Biology  
Advanced Biology  
Physical Science

## 10th Grade

Biology  
Environmental Studies  
Applied Ecology in  
Sustainable Systems  
Chemistry  
Advanced Chemistry  
Physics and Astronomy  
IAP

## 11th Grade

Applied Ecology in  
Sustainable Systems  
Chemistry  
Advanced Chemistry  
AP Chemistry  
AP Physics  
AP Env. Science  
Environmental Studies  
Physics and Astronomy  
IAP  
AP Biology  
ASP

## 12th Grade

Applied Ecology in  
Sustainable Systems  
Chemistry  
Advanced Chemistry  
AP Chemistry  
AP Physics  
AP Env. Science  
Environmental Studies  
Physics and Astronomy  
IAP  
AP Biology  
ASP  
Intro. to Forensic Science

Three science credits are required for graduation. One science credit must be a physical science credit and one must be a life science credit. Although three science credits are required, four are recommended.

## Physical Science - Physical

One year  
1 credit  
Grade 9

Fee required  
No prerequisite

Physical science features a focus on hands-on and laboratory activities to develop class content and reinforce math concepts. This course will include the following units: Motion, Energy, Electricity and Waves, Forces, Basic Chemistry, and Astronomy. The laboratory approach will be used to allow students to develop inquiry skills and construct and interpret appropriate data tables.

## Biology - Life

One year  
1 credit  
Grades 9 to 10

Fee required  
No prerequisite

Biology is a year-long course open to ninth and tenth grade students. It will introduce biological concepts by using the scientific method, critical thinking, and problem-solving skills. The course is designed to be both hands-on and minds-on with a curriculum emphasizing labs, activities and projects, allowing all students to be challenged and to succeed. Topics will include (but are not limited to): the tools and/or processes of science, basic biochemistry, cell structure and function, energy flow in living systems, metabolism, genetics, biodiversity, and evolution. In coordination with other ninth grade courses, study skills and scientific literacy will be emphasized.

## Advanced Biology – Life

One year  
1 credit  
Grade 9

Fee required  
Prerequisite: A in previous science course

Advanced Biology is a year-long course open to ninth grade students. Advanced Biology will cover all topics listed in the Biology course description with greater depth and a faster pace. Emphasis will be placed on experimental design, scientific literacy and scientific argumentation. Students interested in this course should be highly motivated and have a genuine interest in the Biological Sciences. In addition, they should possess advanced critical thinking skills and a desire to work in a collaborative environment. Students are required to complete a summer writing assignment that will be due on the first day of school. This course will help prepare students to take AP Biology later in high school. However, students who take this course are not required to take AP Biology.

## AP Biology – Life

One year  
1 credit  
Grades 11 to 12

Fee required  
Prerequisite: B or better in Biology or Advanced  
Biology and Chemistry or Advanced  
Chemistry

AP Biology is an elective course designed for college-bound upperclassmen with an interest in Biology. The course is based on The College Board's AP Biology curriculum, which includes content equivalent to a college-level introductory biology course usually taken by biology majors. Topics covered include, but are not limited to: chemistry of life, cells, cellular energetics, heredity, molecular genetics, evolution, animal body systems, plant structure and function, and ecology. Students taking AP Biology are expected to take the Advanced Placement Test in the spring. Depending on the student's score on the test, college biology credit may be awarded to the student.

This course will move at a challenging, fast pace, and students will be expected to maintain a high level of responsibility and self-motivation in order to succeed in the class. Laboratory exercises, readings, cooperative learning groups, and classroom discussions will be utilized; and much of the content will require students to employ advanced critical thinking skills. A B or better in Biology and Chemistry is recommended for success in this course. Having taken, or being concurrently enrolled in AP Statistics or Statistics is also recommended for success in this course. This course is weighted an additional 1.0 GPA point for all final grades of B- and above.

## Chemistry - Physical

One year  
1 credit  
Grades 10 to 12

Lab fee required  
Prerequisite: Biology and Algebra II  
(concurrent or completed)

Chemistry is an introductory course in fundamental chemical concepts and laboratory techniques. The curriculum challenges students to develop their critical thinking and mathematical application skills, as well as, improve their verbal and written expression of scientific models. The course is taught at a pace to allow for in depth student discussion to improve conceptual understanding and to apply scientific models to the world around them. Topics covered include, but are not limited to; Data Analysis, Kinetic Molecular Theory, Gas Laws, Energy, Atomic Theory, Periodic Trends, Bonding, and Reactions. A TI-84 Plus is used in laboratory and is required.

## Advanced Chemistry - Physical

One year  
1 credit  
Grades 10 to 12

Lab fee required  
Prerequisite: B or higher in Advanced Biology or A in Biology and Algebra II (concurrent or completed)

Advanced Chemistry is a rigorous course for those students who are interested in a science, medicine or for those who just want to learn more at a challenging level. In this course students will study all of the topics taught in Chemistry, plus additional topics. Advanced Chemistry will be more in-depth, move at a quicker pace, include more challenging problems, and overall sustain a high cognitive level. Students interested in this course should possess advanced critical thinking abilities, high levels of organization, and the study skills of a motivated student. A graphing or scientific calculator is required.

## AP Chemistry - Physical

One year  
2 credits  
Grades 11 to 12

Lab fee required  
Prerequisite: Advanced Chemistry or Chemistry and Advanced Physics (IAP) strongly recommended. Completion or concurrent enrollment Pre-Calculus or instructor approval. There is suggested summer work but it is not required.

AP Chemistry is designed to be the equivalent of a first-year college Chemistry lecture and lab course. The curriculum challenges students to improve critical thinking skills and scientific communication. An emphasis is placed on drawing conclusions independently and quantitatively. Topics covered include, but are not limited to; Bonding, Chemical Reactions, Kinetics, Thermodynamics, Equilibrium, Electrochemistry, Organic Chemistry and Laboratory Techniques.

## Applied Ecology in Sustainable Systems – Life

Eight weeks in summer (4 hr./day)  
1 credit  
Grades 10 to 12 (elective)

Fee required  
Prerequisite: Biology

This course is designed for students who have successfully completed Biology and are looking for an additional life science course. The course is being offered over the summer to accommodate those students who are emphasizing science but are unable to fit additional science classes into the traditional schedule. The focus of the class will be ecology and environmental science with the curriculum built around the high school's sustainable agricultural system. Lessons will reflect both pure and applied science as students study the biology of plants, bio-chemical cycles, energy flow, interactions among plants and other garden inhabitants, and holistic garden management. Students will also discuss the practical side of sustainable agriculture as they deal with many current environmental issues. The objectives of this class are to educate students about the world around them and their impact on that world and to maintain a productive, sustainable agricultural system emphasizing heirloom plants, composting, seed saving, and organic practices. Through this course, students will be involved in the post-production side of agriculture through such activities as farmer's markets, marketing, and community service and education programs.

## **Environmental Studies – Life**

One year  
1 credit  
Grades 10 to 12

Fee required  
Prerequisite: Must have earned one  
credit in science

This course is designed for both the science and non-science student who is interested in the environment and how we as humans are connected to it. The course will cover, but is not limited to: the history of environmentalism, world population growth, food production, wildlife resources and conservation, energy use and efficiency, climate change, pollution and solid waste, and land use. The goal of the course is to inform students of current environmental issues in a comprehensive and productive manner and to provide an atmosphere in which they feel empowered to meet the challenges of the future. Students will be encouraged to develop their own opinions and attitudes about their role in the environment. Emphasis will be placed on current research, discussion and group projects. Students will be expected to participate in activities ranging from recycling and environmental engineering to stream water testing and working in the sustainable garden.

## **AP Environmental Science - Life**

One year  
1 credit  
Grades 11 to 12

Fee required  
Prerequisite: Chemistry

This course is designed for the science student who is interested in the environment and how we as humans are connected to it. Students who have already received credit for Environmental Studies are not eligible. The course will cover, but is not limited to: ecology, the history of environmentalism, environmental policy and legislation, world population growth, food production, wildlife resources and conservation, natural resources and conservation, energy use and efficiency, global change, air and water pollution and solid waste, and land use. The goal of the course is to provide a strong foundation in environmental science for those students who may be considering a career in this field. The pace is more accelerated than Environmental Studies allowing students to cover topics in greater depth. Students may be asked to complete readings and other assignments over the summer along with extensive reading assignments during the year. Emphasis will be placed on current research, discussion and lab activities. Students will have the necessary background to take the AP Environmental Science Exam, which is an expectation for this course. This course is weighted an additional 1.0 GPA point for all final grades of B- and above.

## **Physics and Astronomy - Physical**

One year  
1 credit  
Grades 10 to 12

Lab fee required/Students purchase workbook  
Prerequisite: Algebra I credit with a C+ or higher

What is the structure of the atom? What is the structure of our galaxy? Students will use the methods of scientists as they engage in the process of answering these and other questions that deal with the nature of our universe. Students will also engage in project work that will require them to apply knowledge to a practical situation, engineer a solution to a problem, as well as reflect upon and communicate what they have learned. Content areas will include Newton's Laws, energy, waves, electricity, magnetism, and astronomy. Students will use tools ranging from graphing calculators and computers to glue guns and soldering irons. Note: (a) this is a college prep physics class, and (b) do NOT take this class if you plan to take Integrated Analysis and Physics (IAP).

## **Advanced Physics – Integrated with Analysis (I.A.P.) - Physical**

One year  
1 credit  
Grades 10 to 12

Lab fee required/Students purchase workbook  
Prerequisite: Grade of B or higher in Algebra II

I.A.P. is the integration of pre-calculus and trigonometry with physics. This integrated approach provides for a deeper understanding of both the mathematics and science. Students will incorporate a variety of critical thinking, synthesis, and analysis skills. Students soon realize how knowledge of mathematics facilitates a deeper understanding of physics, and how physics provides an immediate application of the mathematics concepts. This college preparatory lab course examines kinematics, forces, momentum, energy, waves including sound & light, electricity, 2-dimensional motion, finite and infinite series, limits, polynomial functions, calculus, exponentials/logarithms and trigonometry. Students will participate in a variety of assignments, laboratories, and projects that show the relevance of physics and mathematics to everyday life.

## **AP Physics - Physical**

One year  
1 credit  
Grade 11-12

Lab fee required  
Prerequisite: B+ or higher in Advanced Physics (IAP)  
and concurrently or previously taken  
AP Calculus.

AP Physics C is designed to be the equivalent of a first semester, introductory college physics course. It is a 1-year, 1-period class intended to prepare students to take the AP Physics C Mechanics exam for possible college credit for a college physics course intended for Physics, Engineering, or physical science majors. Students will study the laws and principles of physics including Kinematics, Newton's Laws of Motion, Work, Energy & Power, Linear and Angular Momentum; Circular Motion and Rotation, Oscillations and Gravitation as well as Electricity and Magnetism topics as time permits. The course includes laboratory work, lectures, outside reading, class discussions, and extensive problem solving. The mathematical models used to describe and understand concepts include basic concepts of calculus. If a student drops Calculus during the school year, the student must also drop this course. This course is weighted an additional 1.0 GPA point for all final grades of B- and above.

## **Advanced Science Projects**

One semester  
1/2 credit (may be repeated once)  
Grades 11 to 12

No fee required  
Elective  
Prerequisite: see below

Is there an area of science that you just can't get enough of? If so, then ASP may be just for you. This course is designed for juniors and seniors with a strong interest in science and who are interested in taking an in-depth look at a specific topic relating to physical science, life science, or engineering. Students will do independent research/project work and study under a mentor and/or teacher. The goal of this course is to encourage students to think, learn, and work independently, to effectively communicate ideas and concepts through various media, to problem solve, and to evaluate scientific information for the purpose of drawing supported conclusions. Depending on the direction of the project, students may expect to review scientific design, analyze and evaluate current research in various scientific fields, design and perform long-term experiments, and communicate their results through reports, presentations, and/or oral examinations. Past areas of study include: microbiology and molecular genetics, studies in engine design, civil and oceanographic engineering, quantum mechanics, biomedical ethics, biomechanical engineering, stem cells, and astrophotography, to name a few.

**Prerequisites:** Students must have a minimum of two (2) science credits. Additionally, before being accepted for this course, a student must submit – for approval by the course advisor – (1) an application for ASP (see course advisor for application), (2) a recommendation for ASP from two previous GHS science teachers, (3) a brief statement from the mentor indicating that they agree to act as the student’s mentor in accordance with the guidelines of the course. Item 1 must be submitted for approval no less than one week prior to course scheduling; items 2 and 3 must be submitted to the course advisor no less than one week prior to the beginning of the semester. A word about mentors: The role of the mentor is to help guide the student in his/her research or directed project. Mentors must be approved by the course advisor and must have expertise in the student’s area of interest.

## **Introduction to Forensic Science**

One year  
1 credit  
Grade 12

Lab fee required  
Prerequisite: Biology & Chemistry

The course will examine the procedures that take place during a crime scene investigation. Students will explore crime scene analysis, physical evidence, forensic entomology, relevant biological and chemical concepts, and apply physical principles. Students will also learn how to work independently and collaboratively in a lab setting. Case studies will be read and discussed. Due to the subject matter, some content may be graphic and disturbing in nature.



# Social Studies

## 9th Grade

US History  
Advanced US History  
Global Issues

## 10th Grade

World Studies  
AP World History  
AP U. S. History  
Global Issues

## 11th Grade

American Government  
AP American Gov't  
AP U. S. History  
AP World History  
Psychology  
AP Psychology  
Sociology  
Global Issues  
SDL American Gov't

## 12th Grade

American Government  
AP American Gov't  
AP U. S. History  
AP World History  
Psychology  
AP Psychology  
Sociology  
Global Issues  
SDL American Gov't

## United States History

One year	No fee required
1 credit	No prerequisite
Grade 9 (Required)	

The course in United States History (1877 through the present) is based on the belief that historical study is as essential to coping with the present and the future as it is to understanding the past. This course stresses the importance of conceptual thinking, generalizing and valuing, but it gives appropriate attention to the examination of a relevant body of factual knowledge as a necessary step in the development of inquiry skills.

## Advanced United States History

One year	No prerequisite
1 credit	
Grade 9 (Required as alternative to US History)	

Advanced United States History is an elective course offered to freshmen who have demonstrated adeptness and interest in History. The course is designed for the most serious of students seeking advanced placement and the opportunity to proceed to AP United States History, typically taken in the 11<sup>th</sup> or 12<sup>th</sup> grade, which will prepare students to take the AP US History exam. This course uses lecture, discussion, and readings of primary sources, supplemental books, and the textbook. This course is different from US History in that it entails an intense and arduous curriculum that requires critical thinking and analytical skills from each student.

## AP United States History

One year	AP study guide fee
1 credit	AP exam fee required
Grades 10 to 12	No prerequisite w/teacher recommendation

AP US History is a course for those interested in taking the nationally recognized AP U.S. History Examination given the first week of May each year. The course requires each student to purchase a copy of the AP test guide and be willing to learn American history in extensive detail. There will be frequent lectures, video programming, extensive outside readings, and lengthy reading assignments from the

textbook. Classroom discussion and analysis are an important component with continuous consideration of specific parallels between events in the past and today's news. This exploration of American history will involve discussion of the creation of a unique American culture based on contributions from other cultures, the growth of the American political system, and the role America has played on the world stage during each period of our history. Test taking skills and techniques applicable to standardized tests will be emphasized in preparation for the AP U.S. History Exam. A culminating group project will be assigned. College level work is required and self-motivation a necessity.

All students may be required to take an official practice AP exam during either the third or fourth quarter. The score for this test will count as 15% of that quarter's grade.

## World Studies

One year	No fee required
1 credit	No prerequisite
Grade 10 (Required)	

In this course, the history of the world will be viewed as the non-fiction story of people. A variety of instructional methods and evaluations will be used in this course so that students will have the opportunity to use and develop their many and diverse talents. The emphasis will be on attempts to discern patterns and progressions in the development of societies throughout the world. While European history will be the primary focus of this course, contributions to history from other regions of the world must and will also be examined in order to help students obtain a more complete understanding of the present world.

## AP World History

One year	AP exam fee required
1 credit	No prerequisite w/teacher recommendation
Grades 10, 11, and 12 (Required for 10 <sup>th</sup> graders as an alternative to World Studies)	

AP World History focuses on developing students' abilities to think conceptually about world history from approximately 8000 BCE to the present and apply historical thinking skills as they learn about the past. The course covers five themes of equal importance:

- Focusing on the Environment
- Cultures
- State-building
- Economic Systems
- Social Structures

These themes provide areas of historical inquiry for investigation throughout the course. AP World History encompasses the history of the five major geographical regions of the globe: Africa, the Americas, Asia, Europe, and Oceania, with special focus on historical developments and processes that cross multiple regions.

AP World History is a preparatory course for the Advanced Placement exam that is given in May. Depending upon the student's score on the exam, college credit may be awarded to incoming freshmen.

## American Government

One year  
1 credit  
Grade 11 (Required)

Purchase of *Time*  
Prerequisite: U.S. History and World Studies

A course designed to instruct the student in American Government in the following units: the fundamental ideas, principles, origins, concepts, and institutions of American democracy, the personalities, powers, organization, and relationship of the government levels and their branches; the recognition of the important provisions of the seven Articles and twenty-seven Amendments of the U.S. Constitution; the study of our government's procedures, personnel, and finances; the complete study of the election process and the citizens' rights and responsibilities pertaining to the government's success. This course will also include an introduction to economics focusing on the basic concepts of American capitalism covered in the following units: the study of competition in the marketplace, personal and corporate income and spending, the measurement of economic change, as well as discussing the role of the government in the United States economy.

## AP U.S. Government and Politics

One year  
1 credit  
Grade 11 (*Required as  
alternative to Government*)

Purchase of *Time* and supplemental reader  
AP exam fee required  
Prerequisite: See below

AP U.S. Government and Politics is an elective course open only to college-bound seniors who have demonstrated proficiency and interest in government and history. In order to enroll in this course, students must have a minimum average of 85 - 90% on tests and papers in American History or an 80% on tests and papers in AP American History.

The AP U.S. Government & Politics course provides an analytical perspective on government and politics in the United States. This course involves both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. political reality. The course focuses on six main topics: Constitutional Underpinnings of U.S. Government; Political Beliefs and Behaviors; Political Parties, Interest Groups and Mass Media; Institutions of National Government: The Congress, The Presidency, the Bureaucracy, and the Federal Courts; Public Policy; Civil Rights and Civil Liberties.

Students taking the AP U.S. Government and Politics course should be aware that the class moves at a rapid pace and that the assignments given will require an ability to analyze and synthesize information. In addition to the textbook, students will be required to purchase a supplemental reader. Upon completion of the course, students will take the College Board's AP exam.

## AP Psychology

One year  
1 credit  
Grades 11 to 12

AP exam fee required  
No prerequisite

AP Psychology is a yearlong course designed to introduce students to the systematic and scientific study of the behavior and mental processes. Topics follow the AP Psychology curriculum, and they include:

- History and Approaches
- Research Methods
- Biological Bases of Behavior

- Sensation and Perception
- States of Consciousness
- Learning
- Cognition
- Motivation and Emotion
- Developmental Psychology
- Personality
- Testing and Individual Differences
- Abnormal Psychology
- Treatment of Psychological Disorders
- Social Psychology

AP Psychology is a preparatory course for the Advanced Placement exam that is given in May. Depending upon the student's score on the exam, college credit may be awarded to incoming freshmen by any college that is a member of the association.

## **Sociology**

One semester

No fee required

1/2 credit

No prerequisite

Grades 11 to 12

The High School level Sociology course is designed to introduce students to the sociological study of society. Sociology focuses on the systematic understanding of social interaction, social organization, social institutions, and social change. Major themes in sociological thinking include the interplay between the individual and society, how society is both stable and changing, the causes and consequences of social inequality, and the social construction of human life. Understanding sociology helps discover and explain social patterns and see how such patterns change over time and in different settings. By making vivid the social basis of everyday life, sociology also develops critical thinking by revealing the social structures and processes that shape diverse forms of human life.

## **Global Issues**

One semester

Fee required

1/2 credit

No prerequisite

Grades 9 to 12

Global Issues is a semester-long elective course offered through the Social Studies Department. This course focuses on both current events and geography. Units of study are based upon the eight topics presented in the "Great Decisions" discussion book that is published by the Foreign Policy Association each year. The current events topics in the "Great Decisions" discussion book change each year in order to remain current and relevant, which means that the content of the course also changes each year. The class requires students to explore topics through reading, discussions, and projects. Although the course is required for those who are enrolled in the Global Scholars Program, it is OPEN TO ANY STUDENT at GHS. Students may take the course for one semester each year making it possible for students to take the class four times during their high school experience. Taking this course twice fulfills the additional Social Studies credit needed for an honors diploma.

## **Psychology**

One semester

1/2 credit

Grades 11 to 12

No fees

No prerequisite

Psychology is an elective course designed for juniors and seniors interested in learning more about the behavioral and social sciences. This course is structured as an introductory course which will focus upon such topics as personality theory, learning and memory, sensation and perception, motivation, physical and cognitive development, thought and language, psychological disorders, treatment of psychological disorders, intelligence, consciousness, and other important topics related to this field. Activities, films, experiments, and interesting discussions pertaining to the above topics will be a major part of this class.

# S.T.A.R.

## **S.T.A.R. (Student Technology Aides and Resources)**

One semester

1/2 credit

Grades 9 to 12

Application necessary

No fee required

Prerequisite: Instructor Approval

Students work with the school's technology resources, becoming local experts and liaisons for the use of technology in the school, and taking leadership roles in the areas of technology support, classroom computer use, and web development. Students taking S.T.A.R. should set aside one period during the academic day. All students will coordinate their efforts as a team, while developing individual skills through projects, working on various types of technology certification, and assisting in the selection and use of new technology in the school. S.T.A.R. is an independent study. An application is required.

# Technology Education

## 9th Grade

Intro. to Technology  
 Construction Technology  
 Home Maintenance &  
 Repair Technology  
 Architecture Design  
 Engineering Design  
 Robotic Design I  
 Programming I/II  
 Web Design  
 Game Design  
 Intro to Computer &  
 Mobile Apps  
 Computer Hardware  
 AP Computer Science

## 10th Grade

Intro. to Technology  
 Construction Technology  
 Home Maintenance &  
 Repair Technology  
 Technology  
 Architecture Design  
 Engineering Design  
 Robotic Design  
 Programming I/II  
 Web Design  
 Game Design  
 Intro to Computer &  
 Mobile Apps  
 Computer Hardware  
 AP Computer Science  
 Info Technology  
 Capstone

## 11th Grade

Intro. to Technology  
 Construction Technology  
 Home Maintenance &  
 Repair Technology  
 Technology  
 Advanced Technology  
 Architecture Design  
 Engineering Design  
 Robotic Design  
 Programming I/II  
 Web Design  
 Game Design  
 Intro to Computer &  
 Mobile Apps  
 Computer Hardware  
 AP Computer Science  
 Info Technology  
 Capstone

## 12th Grade

Intro. to Technology  
 Construction Technology  
 Home Maintenance &  
 Repair Technology  
 Technology  
 Advanced Technology  
 Architecture Design  
 Engineering Design  
 Robotic Design  
 Programming I/II  
 Web Design  
 Game Design  
 Intro to Computer &  
 Mobile Apps  
 Computer Hardware  
 AP Computer Science  
 Info Technology  
 Capstone  
 Technology &  
 Programming

## Introduction to Technology

One semester  
 1/2 credit  
 Grades 9 to 12

Fees required  
 No prerequisite

This course introduces students to all aspects of machining applications in manufacturing. They will be able to perform routine calculations, interpret basic drawings, begin the process of performing accurate measurements and be able to plan simple machining processes. Students will learn the fundamental principles and practices of cutting, drilling and grinding using modern machine tools, hand tools and precision measuring instruments.

## Technology

One year  
 1 credit  
 Grades 10 to 12

Fees required  
 Prerequisite: Intro to Technology or Construction  
 Technology

Technology is a continuation of the previous year's orientation to technological materials and processes. However, fundamentals should have been learned and emphasis is now placed upon the development of skills by the students. Several projects will be required over various topics and the students will be allowed to construct an elective project. Safety expectations will continue to be presented, discussed and observed.

## Advanced Technology

One year  
1 credit  
Grades 11 and 12

Fees required  
Prerequisite: Technology

The Advanced Technology classes have both third and fourth year students together. It is believed that at this stage of the student's experience in shop work, he is capable of choosing an area or field of specialized interest to further develop his skills and to pursue projects of particular interest. Choices are made after individual conferences with the instructor, and a student can pursue other projects upon satisfactory completion of the first. Work that is done in any of the areas is expected to be advanced and well done, and it is necessary that project work be identified and completed.

All Advanced Technology students will be required to choose one of six woodworking projects in the fall before working on an elective project. This is followed with a required project on the CNC metal lathe. The project will be designed on the computer's CADD system.

## Construction Technology

One semester  
1/2 credit  
Grades 9 to 12

Fees required  
No prerequisite

This course is designed to give students a better understanding of the world of Construction. The development of skills will be placed on the following objectives:

- Discuss the importance of technological advancement in areas related to the construction industry.
- Describe the various occupations in the construction industry.
- Develop Architectural skills through the understanding of blueprints and symbols.
- Consumer awareness of various products and processes.
- Recognize how the economy affects the construction industry.

Students will work in groups and individually constructing prototypes and actual full-scale models. The course will include guest speakers, and field trips to current job sites. The semester will be concluded with the class constructing an exterior shed or similar structure that will be sold for the business aspect of construction. Throughout the course an emphasis is placed on the appreciation of materials, hand tools, machines and safety.

## Home Maintenance and Repair Technology

One semester  
1/2 credit  
Grades 9 to 12

Fees required  
No prerequisite

Home Maintenance and Repair Tech provides students with the opportunity to experience and explore the many different areas in repair and maintenance that relate to owning a home. This course will allow students to develop essential life skills to foster independence in maintaining or updating a residential structure. Students will learn and practice many different home repair procedures and techniques that will save them from needing to pay someone to do it for them. Emphasis will be placed on safety, using tools in a respectable manner, and quality of work. Possible topics include electrical wiring, basic wall framing, portable power tools, and other topics based upon students' interests.



## Architecture Design

One semester  
1/2 credit  
Grades 9 to 12

Fees required  
No prerequisite

Students will use architecture design principles to organize and arrange structures to create a perspective of a building. Students will use orthographic/pictorial projection, freehand technical sketching and computer-aided drafting (CAD) skills to generate floor and wall plans, elevations, sections, details and schedules. Students will develop sets of structural framing and mechanical working drawings that include plumbing, HVAC and electrical power and lighting plans.

## Engineering Design

One semester  
1/2 credit  
Grades 9 to 12

Fees required  
No prerequisite

The focus of Engineering Design is the application of the engineering design process. Topics include work-processes, optimization methods, design optimization, and risk management tools. Students will use 2D and 3D modeling software to help them design solutions to solve proposed problems, document their work, and communicate solutions. Additionally, students will interpret industry prints, and create working drawings from functional models. Emphasis is given to experimental problem solving in real systems.

## Robotic Design

One year  
1 credit  
Grades 9 to 12

Lab fee required  
No prerequisite

The Robotic Design course is intended for students interested in learning how to design and build robots to solve an array of real-world challenges and compete in local/national robotic competitions. The class will start by learning the fundamentals of virtual 3D modeling and then explore the technological design process to synthesize unique and effective solutions. Students enrolled in this course will focus on microcontroller programming, feedback processing, electrical wiring, sensing and actuating, drivetrain design, and pneumatic controls. Prior experience with robotics is not required as this course is designed for all levels of experience. This hands-on course is a practical application of Science, Technology, Engineering and Mathematics (STEM).

## Game Design

One Semester  
1/2 credit  
Grades 9 to 12

Lab fee required  
No prerequisite

This course will prepare students to design and program games using commercial and open source programs and applications. Students will learn industry standard programming language constructs to write programs that integrate classes, class methods, and class instances. Students will learn input method handling, animation, collision detection, game physics, and basic artificial intelligence.

## Web Design

One Semester  
1/2 credit  
Grades 8 to 12

Lab fee required  
No prerequisite

Students will learn the dynamics of the Web environment while pursuing an in-depth study of both Hypertext Markup Language (HTML) and Cascading Style Sheets (CSS). Web based protocols such as FTP, TCP/IP, and HTTP will be addressed. Students will create a website with tag text elements, special characters, lines, graphics, hypertext links, and graphical tables.

## Introduction to Computer and Mobile Apps

One semester  
1/2 credit  
Grades 8 to 12

Lab fee required  
Prerequisite: Concurrent enrollment in or successful completion of Algebra I

In this introductory course, students will learn to create applications for smartphones and tablets. Students will propose, develop, debug, and test applications they create. Students will learn various programming languages used in application development. Students will also learn about the design process and emerging technologies in application development.

## Programming I

One semester  
1/2 credit  
Grades 8 to 12

Lab fee required  
No prerequisite

In this introductory course, students will develop simple programs using a variety of block coding languages. Students will create event-driven programs using object oriented programming techniques for use in web based and standalone applications. Students will map out, design, and test computer applications, web applications, and mobile applications.

## Programming II

One semester  
1/2 credit  
Grades 8 to 12

Lab fee required  
Prerequisite: Successful completion of Programming I

In this course, students will learn the basics of building simple interactive applications in python, javascript, and java. Students will learn the basic units of logic: sequence, selection, and loop. Students will apply algorithmic solutions to problem-domain scenarios. Students will gain experience in using commercial and open source languages, programs, and applications.

## Computer Hardware

One semester  
1/2 credit  
Grades 9 to 12

Lab fee required  
No prerequisite

Students will learn to install, repair, and troubleshoot computer hardware systems. They will perform preventative maintenance practices and learn techniques for maintaining computer hardware security. Communication skills and professionalism in troubleshooting situations will be emphasized.

## **AP Computer Science Principles**

One year  
1 credit  
Grades 9 to 12

Lab fee required  
No Prerequisite

This course is designed to provide students with a working knowledge of computer concepts and essential skills necessary for work and communication in today's society. Students will learn safety, security, and ethical issues in computing and social networking. Students will also learn about input/output systems, computer hardware and operating systems, and office applications. Students will learn basic javascript to build web based applications.

## **Info Technology Capstone**

Semester or Year  
1/2 or 1 credit  
Grades 10 to 12

Lab fee required  
Prerequisite: Completion of 3 IT courses or  
concurrently enrolled in the second course and  
instructor approval

The capstone course provides opportunities for students to apply knowledge, attitudes and skills that were learned in their information technology program in a more comprehensive and authentic way. Capstones often include project/problem based learning opportunities that occur both in and away from school. Under supervision of the school and through community partnerships, students may combine classroom learning with work experience. This course can be delivered through a variety of delivery methods including cooperative education or apprenticeship.

## **Technology & Programming**

One year  
1 credit  
Grade 12

Lab fee required  
Prerequisite: Instructor and/or counselor approval

The Technology & Programming course allows senior students to meet the requirements for the Technology Graduation Seal while completing the Programming I and II courses. It is a year-long course requiring instructor and/or school counselor permission prior to enrolling.

# C-TEC Course Offerings

In a partnership with the Career and Technical Education Center (C-TEC) of Licking County, GHS is proud to offer courses in the following pathways:

- Business
- Information Technologies
- Visual Arts

Courses in these pathways are taught by GHS and C-TEC instructors onsite at GHS. The accompanying course descriptions can be found in the Fine Arts, Business and Technology sections of this document.

## COTC Courses

GHS partners with COTC to offer courses for high school and college credit. These courses are all taught by COTC professors and require admission to COTC. College Credit Plus (CCP) options are available. Refer to the CCP section of this handbook for more details.

# Educational Options

Educational Options at GHS includes learning opportunities and experiences that occur outside the realm of a “normal” school day. We fully realize the educational nature of such ventures, and we encourage students to take advantage of these opportunities by offering credit based on their experiences. Any educational option needs to be pre-approved by multiple parties if high school credit is to be earned. This application is the first step in that process. Educational Options at GHS include:

**Independent study:** Independent studies are designed for those students who demonstrate the ability, interest, and maturity to accept personal responsibility for their learning in a selected curricular area and have the opportunity to pursue it outside of GHS. The purpose of these programs is to develop learners who plan their own research, learning objectives, and a plan whereby they will attain those objectives outside of the traditional classroom with an experienced mentor. For independent study students, the mentor is a GHS teacher (Teacher of Record), and the student will be required to meet with the teacher periodically to monitor progress and provide feedback.

**Credit flexibility:** Credit flexibility offers students a chance to expand on the independent study opportunities as the mentor is not a GHS teacher. The method of assessment will be up to the student, a GHS teacher in a related subject and/or their mentor, their school counselor, and the administration and will require a presentation to the Educational Options Board. The Board is comprised of an administrator, a school counselor, and a teacher in the subject area. These options are designed to capitalize on educational experiences for students outside of normal school hours, or to allow students to take classes that may not fit in their academic schedules.

**Testing out/demonstrating mastery:** The testing out/demonstrating mastery option is an opportunity for a student to test out of and receive credit for a course prior to taking it. This allows students who have mastered course content to accelerate through the curriculum at an individual pace. The testing out option will be available to students at various times before and during the school year (August and January). GHS has set mastery level at 85%, meaning a student must receive an 85% on the test to opt-out and receive credit for the class. Students doing this at the semester must score at least an 85% on the first semester exam to be eligible to take the second semester test-out option. Students who want to test out of AP courses must take the AP test the prior spring and score a 3 (B), 4 (A-) or 5 (A+). Due to College Board guidelines, we cannot put “AP” as part of the course name if a student tests out of the AP class. AP is only placed on the transcript if the student completes the AP course at GHS or other high school. So, a student who receives a 5 on an AP Government test would have an A+ in Government placed on their transcript instead of “AP” Government. The testing out option for receiving credit may not meet NCAA Clearinghouse standards for prospective college athletes. Students who are testing out may receive a textbook and course outline from GHS in order to prepare for the exam.

All educational options listed and described prior can be taken for credit or for pass/fail status. Regardless, all need to be pre-approved by the GHS administration. No credit will be granted for retroactive activities. Any student participating in these options is still subject to school policies, and all grades earned will be calculated in the final GPA. Any questions about these options can be forwarded to the school counselors or administration.

## **Items to Consider Before Pursuing an Educational Option:**

1. All materials, facilities, resources, equipment, and transportation required for an educational option are the responsibility of the student.

2. Students who do not complete their educational option will receive an "F" or "Fail" on their transcript. Students may request an extension of their timeline through the GHS administration.
3. Students are responsible for maintaining the required credits for GHS and OHSAA extracurricular (including athletics) eligibility. Testing out does not add to credit for a given quarter. Students must receive a grade or passing status to receive credit towards eligibility in a previous quarter.
4. Pre-approval is required. No exceptions will be made to this policy.
5. A written plan or agreement between the student and mentor, including the type of option they are pursuing, is required.
6. All educational option classes must be added and dropped within the same timelines of dropping and adding other classes – 2 weeks after the semester has started. Graded options will appear on student transcripts and grade cards.
7. A GHS teacher in a subject area related to a credit-flexibility proposal should be a part of the creation and assessment of the credit flex opportunity.

#### **How to Apply for an Educational Options Program:**

1. Retrieve Educational Options Packet from Guidance and complete the proposal.
2. Talk to the mentor in a subject area corresponding to your topic. Complete the "Proposal for Educational Options Form" (attached) with the identified mentor to determine the Plan for Assessment to Receive Grades (pg. 3).
3. Proposal must be signed by the student, parent/guardian, teacher, school counselor, and principal.
4. Signed/Approved Proposal must be turned in to the student's school counselor in Guidance prior to the 2<sup>nd</sup> week of each semester.
5. Student is responsible for completing all assignments and assessments determined in the Plan for Assessment to Receive Grades in order to receive a grade and credit.