

Crestwood High School



Course Selection Guide 2023-2024

Table of Contents

Using the Course Selection Guide	1
Course Registration	1
Schedule Requirements	1
Special Education	1
Graduation Requirements	2
Graduation Credit Worksheet	3
Honors Diploma	4
College Readiness Curriculum	5
Educational Options	5
Flex Credit	6
Senior Option	7
College Credit Plus at CHS	8
Advanced Placement Courses	9
Maplewood Career Center Enrollment Information	11
Grade Calculation	12
Extracurricular Eligibility	12
Home Access Center	12
Transcripts	13
NCAA Eligibility	13
Testing Information	13
Scoir	15
American Experience Academy	16
Art	17
Broadcast Media Arts/Computer	19
Engineering	20
English	22
Family and Consumer Science	26
Health and Physical Education	28
Internship Program	30
Mathematics	31
Music	35
Science	38
Social Studies	41
Work Study	44
World Languages	45
Yearbook	47

Using the Course Selection Guide:

Registration for courses is one of the most important parts of a student's educational experience. Care and consideration must be given to selecting the schedule that will best prepare the student for post high school plans--whether to enter college, technical school, armed services, or seek employment. This guide contains all of the essential information needed for students to plan their educational career. This should be read carefully by both students and parents/guardians prior to making course selections.

Course Registration

The courses students select determine how many sections of a particular class are needed which therefore creates the master schedule of classes, staffing for each class and textbooks and supplies needed. Changes will not be made based on teacher preference. ***Course selections must be FIRM. Schedule changes will not be considered except when academic placement is inappropriate or a schedule conflict exists.***

The school administration reserves the right to cancel any course that has inadequate enrollment in order to efficiently use personnel and space to best serve our students. Courses and/or programs listed in this catalog may be canceled and additional fees or pay to participate charges added if the school district has to make cutbacks due to insufficient funding.

Students may choose to add an elective class to a study hall period. **NO schedules will be changed after five (5) days into the semester unless deemed necessary by administration.**

Schedule Requirements

All students are required to register for a full schedule of seven classes each semester. When you register, please pay attention to the following:

1. Required courses
2. Number of total credits you are taking
3. Prerequisites for courses
4. Teacher recommendation if requesting an honors level course.

Special Education

Crestwood High School endeavors to meet the educational needs of all students. Appropriate courses for each student's special needs will be selected through a team process including special education teachers, parents and the student. Critical to the course decisions will be the specifics as outlined in the student's IEP.

Graduation Requirements (Class of 2023 and beyond):

To earn an Ohio high school diploma, all students must fulfill the following graduation requirements.

- 1) Earn 22 high school credits as listed below.
- 2) Earn a passing score on Ohio's high school Algebra 1 and English II tests.
- 3) Earn two diploma seals as listed below.

Subject	Credits	Notes
English	4	One each year.
Math	4	Must include Algebra I, Geometry, Algebra II and a math elective.
Science	3	Must include 1 credit of physical science.
Social Studies	4	Must include 1 credit of World History, 1 credit of US History, 1 credit of American Govt/ Economics and 1 social studies elective.
Health	½ (one semester)	
Physical Education	½ (two semesters)	
College & Career Readiness	1	½ credit is taken during grade 9 and ½ credit is taken during grade 11
Financial Management	½	
Fine Art	1	Courses to be selected from visual and performing arts classes listed in this course selection guide.
Electives	3.5	
Total Credits	22	

Maplewood students: 21 total credits are needed for students attending Maplewood. Financial Management and the Social Studies elective are not required. Students must complete PE and health before attending Maplewood their Junior year.

Earn two of the following diploma seals: 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 Art Seal (Local)
- Student Engagement Seal (Local)

Graduation Credit WORKSHEET- Suggested sequence of courses

Grade 9	Credit	Grade 10	Credit	Grade 11	Credit	Grade 12	Credit
English 9	1	English 10	1	English 11	1	English 12	1
Math	1	Math	1	Math	1	Math	1
World History	1	US History	1	Govt/Economics	1	Social Studies elective	1
Science (Biology or Physical Science)	1	Science (Biology or Chemistry)	1	Science elective	1	elective	1
Physical Education	0.25	Physical Education	0.25	College & Career Readiness	0.5	elective	1
College & Career Readiness	0.5	Health	0.5	Financial Management	0.5	elective	1
Elective	1	Fine Arts elective	1	Elective	1		
Additional Elective (if no study hall requested)	1	Additional Elective (if no study hall requested)	1	Additional Elective (if no study hall requested)	1	Additional Elective (if no study hall requested)	1
Total Credits:	5.75-6.75	Total Credits:	5.75-6.75	Total Credits:	6-7	Total Credits:	6-7

Ohio High School Diploma Requirements:

Honors Diploma: An honors diploma is a special distinction granted if a student has met the requirements for a regular diploma and has met one of the below listed criteria. These requirements are mandated by the Ohio Department of Education. Additional honors diploma designations can be viewed by [clicking here](#).

Note: An honors diploma has no relation to taking "honors" classes.

High School Academic Diploma with Honors		Career- Technical Diploma with Honors	
Must meet all but one of the following criteria.		Must meet all but one of the following criteria.	
Subject	Criteria	Subject	Criteria
Math	4 credits, including Algebra 1, Geometry and Algebra II or equivalent and another higher level course.	Math	4 credits, including Algebra 1, Geometry and Algebra II or equivalent and another higher level course.
Science	4 credits, including 2 units of advanced science*	Science	4 credits, including 2 units of advanced science*
Social Studies	4 credits	Social Studies	4 credits
World Language	3 units of one world language, or no less than 2 units of each of two world languages studied	World Language	2 units of one world language
Fine Arts	1 credit	Fine Arts	Not counted towards requirements
Electives	Not counted towards requirements	Electives	4 credits of Career-Technical minimum Program credits
Grade Point Average	3.5 on a 4.0 scale cumulative through the first semester of Senior year **	Grade Point Average	3.5 on a 4.0 scale cumulative through the first semester of Senior year **
ACT/ SAT	27 ACT / 1210 SAT	ACT/ SAT	27 ACT / 1210 SAT
		Field Experience	Complete a field experience and document the experience in a portfolio specific to the student's area of focus.
		Portfolio	Develop a comprehensive portfolio of work based on the student's field experience or a topic that is related to the student's area of focus.

* Advanced science refers to courses that are inquiry based with laboratory experiences. They must align with the grades 11/12 standards (or above) or with an Advanced Placement science course or entry-level college course (clearly preparing students for a college freshman-level science class, such as anatomy, botany or astronomy).

** GPA's must be calculated on an unweighted 4.0 scale.

*** Students must achieve proficiency benchmark established for the apprenticeship for the appropriate Ohio Career-Technical Competency Assessment or the equivalent.

College Readiness Curriculum

Recommendations on coursework if you are planning to pursue a college degree.

College-bound students should be aware that state universities in Ohio (Akron, Bowling Green State, Central State, Cincinnati, Cleveland State, Kent State, Miami, Ohio State, Ohio University, Shawnee State, Toledo, Wright State and Youngstown State) recommend the minimum core curriculum in high school for college preparation:

<i>English</i>	<i>4 credits</i>
<i>Math</i>	<i>4 credits</i>
<i>Science</i>	<i>3 credits</i>
<i>Social Studies</i>	<i>3 credits</i>
<i>Foreign Language</i>	<i>2 credits</i>
<i>Arts</i>	<i>1 credit</i>

Private and out-of-state colleges and universities may require more extensive preparation in specific subject areas. Check with the college or university of your choice for additional information.

Educational Options

Crestwood High School provides several different opportunities for educational credit to be awarded. All district and school policies must be followed and options be approved by Crestwood High School. *For each of the following options, please meet with your School Counselor for additional information and the required paperwork needed.*

FLEX CREDIT

Students may earn credit based on a demonstration of subject area competency instead of completing hours of classroom instruction.

- Students may earn credits through:
 - The completion of courses;
 - Testing out or otherwise demonstrating mastery of the course content; or
 - Pursuit of one or more “educational options” (e.g., distance learning, educational travel, independent study, an internship, music, arts, after school program, community service or engagement project).
- Issuance of credit will be determined locally by teachers or through the use of a:
 - Multi-disciplinary team;
 - Professional panel from the community; or
 - State performance-based assessment.
- Schools and students who choose educational options style learning will pre-identify and agree on the learning outcomes.
- Credits earned through this alternative means will be reflected on students’ transcript in the same way as traditional credits earned via seat time.

Flex Credit Cost:

One Semester-Long Course - \$75.00

Year-Long Course - \$150.00

- Checks are to be made out to Crestwood Local Schools.
- Payment is due at the time of application and is non-refundable if the student chooses not to complete the course.
- Each course will have a set start date and end date. If a student does not complete the course before the agreed upon end date and wishes to extend the deadline, the student must get that approved by the teacher. If the teacher approves, then student will be required to submit another full payment to extend the deadline (\$75.00 for semester long course, \$150.00 for year-long course).
- Payment must be received by Crestwood Local Schools and the complete application/plan must be approved by the teacher of record before any work will be counted for credit.

Students interested in exploring this option must complete the mandatory Flex Credit Application obtained from their high school guidance counselor.

Senior Option

This Early Release Option is reserved for Seniors only who meet the following criteria:

- Seniors must have a study hall scheduled during the last block of the day
- Student must be in his or her 4th year of high school
- Students must have earned a minimum of 17 credits
- Students must be in good standing on points toward graduation on the Ohio State tests
- Students must have a cumulative GPA of 2.0 and be passing all courses
- Students must be in good standing in regard to tardies, absences, and behavior

Any student conduct code violation, or violation of any of the following, may result in the removal of the Senior Option privilege and/or disciplinary action, including revocation of the driving privilege.

- Students granted this option MAY NOT transport unauthorized students on or off campus.
- Students with excessive absences/tardies may lose their privilege
- Students granted this option must leave the building prior to the beginning of the last block of the day
- Loitering or trespassing during early release may result in loss of privilege
- Students granted this option MAY NOT return to the building for transportation home either by bus system or other students.

COLLEGE CREDIT PLUS

House Bill 59 revised a program to provide students with the opportunity to earn high school and college credits for college courses taken while in high school. All courses offered through CCP, even courses offered at the high school, are the same courses that the college offers. As a part of the CCP program, students are required to follow all application procedures and meet the standards set forth by the college or university for enrollment. **Interested students and their parent/guardian must attend the mandatory College Credit Plus meeting the school year prior to starting the program** and turn in all required applications and documents to their Crestwood High School Counselor by the specified deadline in each year.

Eligibility

All students in grades 7-12 are eligible to apply to qualify for participation in this program. Counseling services will be provided for parents and students who are considering college credit plus, so that they are aware of the advantages, responsibilities, potential risks, and consequences of participation. Students must be accepted by the college they wish to attend based on the criteria established by that college.

All necessary information regarding application, eligibility, deadlines, rules, regulations, responsibilities, financial obligations, options, opportunities, academic credit (both high school and college), grades, and graduation requirements will be outlined at the mandatory meeting each school year. All interested students and parents must attend this meeting.

Students may enroll in CCP courses full-time or part-time. Students enrolled in the CCP program full-time will not be included in the Honor Roll process the first and third nine weeks (as colleges do not post grades at these marking periods). They may be included in the honor roll process at the second and fourth nine weeks. To be considered a full-time high school student, students must take a combination of courses through CCP and high school that equals 5 high school transcript credits. Student athletes are required to be enrolled in at least 5 Carnegie units each nine weeks and obtain evidence that they are passing from their profession each high school grading period. Students in the CCP program may opt to enroll in Dual-credit classes at Crestwood High School. This means students will have the opportunity to take CCP courses at the high school location, taught by a Crestwood teacher, and earn both high school and college credit.

Students should be mindful of the courses they are taking and work to ensure they are completing courses that begin the appropriate college degree pathway of their choosing.

Kent State (main campus) and Hiram College require the ACT if students do not have a 3.0 Cumulative GPA. Ashland & Kent State Geauga/Twinsburg do not require the ACT but it is strongly recommended. Without the ACT, another placement test will have to be taken on campus.

CCP Courses Offered AT Crestwood High School *(no travel required to the college campus)*

CCP courses require an application to and acceptance from the respective college/university offering the course. The application and all applicable accompanying materials must be submitted to the Guidance Office within specified timelines.

Crestwood High School has added additional CCP offerings that are taught at CHS, making it convenient for students to get the best of their high school experience while pursuing college classes. Students interested in enrolling in a CCP course are encouraged to do so at Crestwood High School and take advantage of our all-new student lounge!

Hiram College CCP Offerings:

Academy I (block of 3 class periods) - ****Next offering: School year 2024-2025**

- Composition in the Liberal Arts I (WRIT 15100) or
Composition in the Liberal Arts II (WRIT 15200)
- Field Biology (BIO 10100)

Academy II (block of 3 class periods) - ****Next offering: School year 2023-2024**

- Composition in the Liberal Arts I (WRIT 15100) or
Composition the Liberal Arts II (WRIT 15200)
- Field Biology (BIO 29800)

****Academy I and II will be offered every other year opposite.**

Composition in the Liberal Arts I (Comp 1; Semester Course)
Composition the Liberal Arts II (Comp 2; Semester Course)

Advanced Placement Course Offerings

These courses require a recommendation from your current teacher in the subject area you wish to take an AP course in.

A.P. Studio Art
A.P. Calculus AB
A.P. Physics
A.P. U.S. History
A.P. U.S. Government and Politics
A.P. Psychology

****The course fees in all AP courses include the fee to take the AP test (\$97). Students are required to take the corresponding AP exam in May of the school year that they take that AP course**

CCP Online Course Schedule (ashland.edu/ccp-online)

CCP students receive scheduling priority for these sections. For all other sections, the registration schedule is determined by class rank (upperclassmen register first). See the instructions in your acceptance on how to register.

Browse course descriptions, here -----> ashland.edu/ccp-course-descriptions

Use the Google form to submit your requests -----> ashland.edu/ccp-registration

	FALL 2023	SPRING 2024
	Registration opens May 15, 2023	Registration opens October 15, 2023
	Course Dates: Aug 28 - Dec 8	Course dates: Jan 8 - May 3
Composition	ENG 101* OLCCP English Comp I	ENG 102* OLCCP English Comp II
Communication	COM 101 OLCCP Human Communication	--
Math/Logic	MATH 108* OLCCP Introductory Statistics	--
Religion	--	REL 107 OLCCP Exploring World Religions
Historical Reasoning	HIST 212 OLCCP American History before the Civil War	HIST 213 OLCCP American History after the Civil War
Critical Cultural Inquiry (CCI)	SPAN 271* OLCCP Intermediate Spanish I	SPAN 272* OLCCP Intermediate Spanish II
Aesthetics	ART 150 OLCCP Art and Ideas --	TH 203 OLCCP Theatre Aesthetics MUSIC 253 OLCCP Listening to Jazz
Humanities	ENG 203* OLCCP American Literature	PHIL 104 OLCCP Intro to Philosophy
Natural Science	GEOL 210 OLCCP Natural Disasters: Severe Weather	BIO 103** OLCCP Concepts in Biology
Social Science	SOC 111 OLCCP Principles of Sociology PSYC 218** OLCCP Psychology of Adolescence ECON 232 OLCCP Principles of Microeconomics	-- PSYC 101 OLCCP General Psychology I ECON 233 OLCCP Principles of Macroeconomics
Electives	EDAE 102 OLCCP University Study Skills MGT 240** OLCCP Introduction to Management	-- MKT 233** OLCCP Principles of Marketing

Maplewood Career Center Enrollment Information

Purpose: Maplewood provides individuals with educational experiences that aid in personal growth and the development of career/technical skills leading to graduation, higher education and/or employment. Maplewood offers the following two-year career-technical programs:

Auto Collision Technology
Carpentry
Criminal Justice
Culinary Arts
Medical Assisting
Hospitality Service Careers
Robotics and Computer Technology
Mechanical, Groundskeeping & Construction
Auto Service Technology
Cosmetology
Animal Science
Dental Assisting
Graphic Communications
Power Equipment Mechanics
Early Childhood Education
Electricity
Masonry
Applied Engineering/ Machining
Welding
Marketing and Management
Information Technology

Application Procedure: Admission is granted through an online application process. The application is started by the student and completed by the home school counselor. Students are 16 years of age, have earned at least 4 credits toward graduation, and who have attended 2 years of high school, are eligible to apply. Home school academic requirements still apply while attending Maplewood. For more information and to apply, visit Maplewood's website www.mwood.cc

Extracurricular activities: Students who attend Maplewood Career Center are still students of their home schools. These students may and are encouraged to attend and participate in all Crestwood after school, evening and weekend extracurricular activities, sports, clubs, dances, class trips, etc.

Transportation: Crestwood transports students by bus each school day to Maplewood and back.

Grade Calculation and Grade Point Average:

Credit will only be awarded when a student has successfully passed a course with a grade of D or higher. Grades will be assigned each nine weeks for the purposes of informing students and parents of class performance as well as to determine eligibility. Grades and points will be assigned based on the scale in the table below:

Percent Score	Grade	Quality Points
90-100	A	4
80-89	B	3
70-79	C	2
60-69	D	1
59 or below	F	0

**** AP course grades and CCP grades (excluding Fs) are weighted one point higher.*

To calculate GPA, multiply the credit of the course by the quality points. Add all quality points and divide by total credits attempted.

Year-Long Course: Each grading period quarter grade is 20% of the course final grade and semester exams are 10% of the course final grade.

Semester-Long Course: Each grading period quarter grade is 40% of the course final grade and semester exams are 20% of the course final grade.

Failure of Course Work:

Failing a required course may result in taking a summer school course or being enrolled in a credit recovery program during the school year. (Extra school fees/ cost will be incurred.) Students may also choose to retake a course in the classroom during the regular school year. *See your School Counselor for summer school information or to create a plan to make-up failed coursework.*

Extracurricular Eligibility:

In order to be eligible in grades 9-12, a student must be currently enrolled and must have been enrolled in school the immediately preceding grading period. During the preceding grading period, the student must have received a minimum of a 1.5 GPA and pass a minimum of five (5) one-credit courses or the equivalent, which count toward graduation.

eSchool Home Access Center: Online Grade and Progress Information:

Parents / guardians may view their child's grade information at any time by accessing the Home Access Center (HAC) through the Crestwood High School's website. After the first few weeks of the school year, parents/guardians are issued a Home Access username and password. Parents are encouraged to check student progress regularly and to contact the teachers/ counselors with any questions or concerns.

TRANSCRIPTS

Transcripts provide a record of high school courses, grades, attendance, credits earned and test scores. Each year an updated transcript is provided to students during the scheduling process. Students may request formal transcripts to be sent to colleges, scholarships, etc, by completed a Transcript Request Form obtained in the Guidance Office. A senior applying for college admission will also be asked to add their request in the Scoir platform in addition to filling out a Transcript Request Form. ***Because of the volume of transcripts process in the Guidance Office, requests should be submitted TEN school days before any deadline.***

NCAA Eligibility Requirements:

In order to qualify for Division 1 or Division II students must complete a college preparatory curriculum. A student who plans to play college sports must be certified by the NCAA Eligibility Center. To be certified, the student must apply at the beginning of his/ her senior year of high school: <http://www.eligibilitycenter.org> The student must contact their School Counselor for information regarding athletic eligibility and to submit transcripts.

Testing Information:

ACT

The American College Test is a test used for admission and placement by colleges and universities. The test consists of four subtests: English, mathematics, reading, and science. A 30-minute writing test is also available. Students are permitted to use calculators on the mathematics test.

It is recommended that college-bound juniors take the ACT in February, April, or June and seniors take/retake the ACT in September, October or December. Strong academic students in grades 9 and 10 may want to take the ACT for practice or if they wish to apply for College Credit Plus. Students may register online at www.actstudent.org . Each year Crestwood High School will administer the ACT in February or March as required by the state of Ohio. This test is FREE and may also be used for college admission purposes.

Some colleges require the writing portion of the ACT. Therefore, check with the college or university of your choice for specific admissions requirements.

SAT

SAT: Reasoning Test and SAT II: Subject Tests

The SAT is used by many colleges for admission. All colleges in Ohio accept these tests for admission and placement. A student must be sure to check the testing requirement for each college or university he/she is considering. Many selective colleges and universities may use the SAT Reasoning Test and the SAT II: Subject Tests as part of their admission procedure. The Subject Tests are one-hour, multiple-choice tests in writing, literature, foreign languages, history, mathematics, sciences, and English as a second language.

The SAT is given seven times during the year. It is recommended that juniors take the SAT in March, May or June. These tests will assist students in their college planning and in satisfying requirements for special programs such as R.O.T.C., the academies, and early admission into college. Seniors take/retake the SAT in October, November, or December. Students may register online at www.collegeboard.com .

PSAT

The PSAT will be offered for the purpose of national merit scholarship. The PSAT includes questions designed to measure verbal reasoning skills, critical reading skills, math problem-solving skills, and a measure of writing skills. Students will be permitted to use any four-function, scientific, or graphing calculator on the test. The PSAT serves two purposes: to provide practice for the SAT and to enable juniors to compete for scholastic recognition and financial awards through the scholarship program administered by the National Merit Scholarship Corporation. Students must register in the fall for the PSAT through the Guidance Office.

***** A note regarding ACT or SAT scores in relation to college admissions:***

Selective colleges often require a higher ACT or SAT score to be considered for admission. Additionally, increased scholarship money is often correlated to higher ACT or SAT scores. It is recommended that students take these tests at least twice to improve their scores. Methods of preparing and studying for these tests are available at the registration website and can also be discussed with a student's School Counselor.

Scoir:

Scoir is a tool provided to students by Crestwood Local schools that is used to aid students in college research, career searching and college visit information. As a Senior, students request their high school transcript through Scoir. School Counselors send transcripts and letters of recommendation through this platform.

- Student can login through Scoir by selecting the High School 7-12 Campus link and selecting it under the Quick Links tab at the bottom of the page.

College Search

- helps you filter colleges as specifically as you'd like with cross category filters
- View college tour video and easily review admission criteria and data

My Colleges

My Profile

- YouScience: Career Assessments
- Taking these can give you a long list of careers that might be a good fit for you. Each inventory lists a page of career results. When you click on the career's link, it will give a great overview of the job, average income and the kind of training needed.

Scoir Homepage: Listing of College Representative Visits to Crestwood

- Take advantage of the colleges that come to see YOU here at Crestwood. These are typically a 20-30 minute presentation by a college admissions staff member and always has plenty of time for questions. They LOVE to see you.
- Student must sign-up through Scoir

AMERICAN EXPERIENCE ACADEMY

American Experience Academy I: 1 Year Grades 10 - 12 3 credits

The American Experience Academy I focuses on early Ohio life of both the people and wildlife. It is a one year immersion class that will take place during three consecutive class periods. Socratic seminar, experiential learning, field projects, and vigorous inquiry will make up the majority of the class. The Academy is a fully integrated English, science and social studies class, and contains a rigorous curriculum at and above the honors level. Students may be asked to purchase 8 - 10 books as well as fabric to make an historical impression. As a culminating activity, Academy I students host an annual Frontier Days re-enactment and educational outreach. During the week-long program each May, students engage in a number of authentic eighteenth century activities, and they also teach elementary school-aged children from several different districts about life on the Ohio Frontier. Students will receive 1 high school credit in 3 subjects: science, history, and honors English. Or, they may opt to earn 12 semester college credits from Hiram College: The Ohio Frontier (History); Field Biology (Science); Composition in the Liberal Arts I or Composition in the Liberal Arts II (English). These courses can help students achieve an honors diploma as well as improve their reading, writing, and critical-thinking skills. Fee: \$50

American Experience Academy II 1 Year Grades: 10, 11, 12 3 credits

The American Experience Academy II focuses on changing environmental ideals through American history. It is a one year immersion class that will take place during three consecutive class periods. Academy II is a fully integrated English, Science and Social Studies class and contains a rigorous curriculum at and above the honors level. The primary focus of Academy II will be on environmental stewardship. On-going projects focus on creating and maintaining an aquaponics greenhouse system to promote sustainable agriculture. Students will be expected to work with professionals in the fields of government, finance, and science to move the project forward. Several community outreach projects are also part of the class, including constructing and maintaining a hiking trail on CHS property. Students may be asked to purchase additional materials, including 8-10 books. and will receive 1 high school credit in 3 subjects: history, science, and honors English. Or, they may opt to earn 12 semester college credits from Hiram College: The American Tradition of Conservation (History), Applied Environmental Science; and Composition in the Liberal Arts I or Composition in the Liberal Arts II. These courses can help students achieve an honors diploma as well as improve their reading, writing, and critical-thinking skills. Fee: 50

American Experience Academy I & II will likely be offered alternating years. For instance, during the 2023-24 school year, Academy II will be offered, so Academy I will run the following year (2024-2025).

ART

0111 Art I

1 semester Grades 9, 10, 11, 12

½ credit

This course is an introduction to the foundations and theories of 2-dimensional and 3-dimensional visual art. In the area of 2-dimensional art, students will focus on the basics of drawing with graphite pencil (rendering, contour, still-life, figure and portrait drawing). In the area of 3-dimensional art, students will focus on the discipline of ceramics. Fee: 40.00

0114 Art II

1 year Grades 10, 11, 12

1 credit

The focus of the Art II class is to introduce students to printmaking and advanced drawing techniques with the inclusion of color and mixed media. In Art II, students will work with graphite pencil, colored pencil, pastels, ink, charcoal and the mixed disciplines. Students will be introduced to a variety of artistic styles. Prerequisite: Art I Fee: 50.00

0116 Ceramics & Sculpture

1 semester **Grades 9, 10, 11, 12**

½ credit

This course is designed to incorporate the theories of 3-dimensional design using ceramics and sculpture. Students will work with clay, crea-stone, and a various other materials. Fee: 55.00

0142 Ceramics & Sculpture II

1 semester Grades 9, 10, 11, 12

½ credit

This course is designed to incorporate advanced theories of 3-dimensional design using ceramics and sculpture. The projects will be focusing on developing intricate, advanced works, and creating a ceramic portfolio. Students are required to enter at least 1 Art Show. Fee:55.00

0115 Art III

1 year Grades 10, 11, 12

1 credit

In this course students will be working on building portfolios and expanding their artistic skills in drawing, printmaking, or painting. Students who choose to focus on drawing or printmaking will be learning a variety of artistic styles and taking from those to create their own artistic voice. For those who choose painting this course will be an introduction to the materials, process, and discipline required in painting. Students will learn how to translate what they see, imagine or express into an image they create with paint. They will learn how to build a stretcher for a canvas, prepare a stretched canvas to work on, use color, manipulate color relationships, apply paint to a surface, and use watercolor, Oils and acrylic paints. Prerequisite: Art II. Fee: 75.00

0121 Black and White Photography I

1 semester Grades 9,10, 11, 12

½ credit

Black and White Photography is a photo class that focuses on the mechanics and techniques of traditional photography using a manual 35 mm film camera. The class will teach students how to correctly load film, control the manual components of a camera to achieve the image desired, and process the film. Students will learn how to develop film in the darkroom using enlargers. The students will also study the history of photography and gain an understanding of the significant photographers. Fee: 65.00

0140 Black and White Photo II

1 semester Grades 10, 11, 12

½ credit

This course is an advanced film photography class designed to teach students how to control and manipulate the camera to create excellent compositions using the camera and through darkroom developing techniques. The class will have weekly assignments, photo projects, in-class shooting, class critiques and a study of the past and current masters of photography. A camera is needed but not required. Prerequisite: Black and White Photography. Fee:70.00

ART (continued)

0122 Color Photography I 1 semester Grades 9,10, 11, 12 ½ credit
Color Photography is a photo course using a digital camera and Photoshop. Students will gain an understanding of how cameras work and how to use them. They will learn how to upload and edit their photos in Adobe Photoshop and they will explore multiple ways of composing a photograph. They will learn about the history of photography and the significant photographers. Students must have a digital camera to take this course. Fee: 65.00

0141 Color Photography II 1 semester Grades 10, 11, 12 ½ credit
This course is an advanced digital photography class designed to teach students how to control and manipulate the digital camera to create excellent compositions using the camera and through advanced Photoshop techniques. The class will have weekly photoshop assignments, photo projects, in-class shooting, class critiques and a study of the past and current masters of photography. A digital camera is needed but not required.
Prerequisite: Color Photography I Fee: 65:00

1456 Graphic Design Internship 1 year Grades 10, 11, 12 1 credit
This class is an advanced graphic design class that will teach students how to organize information visually using the graphic design principles including the elements of art and principles of design, color theory, typography, and imagery. The students will gain a working understanding of the Adobe Suite: Photoshop, Indesign and Illustrator. This class will also teach students the technical aspects of running a large format printer, plotter machine including how to hang artwork and work with clients.
Prerequisite: Introduction to Graphic Design or Teacher permission

Introduction to Graphic Design 1 semester Grades 9, 10, 11, 12 1/2 credit
Introduction to Graphic Design will teach students how to organize information visually using the Graphic Design principles including the elements of art and principles of design, color theory, typography, and imagery. The students will gain a working understanding of the Adobe Suite: Photoshop, Indesign and Illustrator and use these programs to create digital Art. This course focuses on manipulating images for final output through print and Web-based production. Fee: \$40

BROADCAST MEDIA ARTS/COMPUTER SCIENCE

0128 Audio & Video Production 1 year Grades 9-12 1 credit

This course focuses on video and audio production for broadcast and internet. Skills learned include audio and video editing, proper use of video cameras and microphones, and lighting basics. Students plan, shoot, and edit audio and video for live and recorded broadcast (including podcasting and YouTube). Students will also learn about the history of broadcasting, technical aspects of broadcasting, and broadcast laws related to defamation, libel, copyright and privacy. Students will also learn how to write for journalism and advertising. If needed, students will record district events and create other projects for broadcast to the community via the district's website. Fee: \$10

No prerequisite.

0129 Studio Production 1 year
Grades 10, 11, 12 1 credit

This course focuses on video production for commercial use. They learn how to read and interpret a script, select and maintain equipment and combine graphics, text and special effects. Skills attained include pre-production planning; in-production audio and video recording; and post-production editing and distribution. This class will produce the daily "Morning Announcements" program for distribution to the school. In addition, students will produce programs of interest and need for broadcast to the community via the district's website. Prerequisite: Audio & Video Production or by permission with teacher. Fee: \$10

0314 Animation and Coding Fundamentals 1 semester Grades 9, 10, 11, 12 ½ credit

In this course, students solve problems by creating programmatic images, animations, interactive art, and games. Starting off with simple, primitive shapes and building up to more sophisticated sprite-based games, students become familiar with the programming concepts and the design process computer scientists use daily. They then learn how these simpler constructs can be combined to create more complex programs. In the final project, students develop a personalized, interactive program.

ENGINEERING TECHNOLOGY

0700 Engineering Essentials 1 Year Grades 9, 10, 11,12 1 credit
An entry level Project Lead the Way engineering foundation course. Engineering Essentials offers a multidisciplinary approach to teaching and learning foundational concepts of engineering practice, providing students opportunities to explore the breadth of engineering career opportunities and experiences and solve engaging and challenging real-world problems. Students will explore the many different fields of engineering, such as mechanical, electrical, civil, computer, aerospace, and more with hands-on activities and basic foundational knowledge. Fee: \$30

0701 Intro to Engineering Design 1 year Grades 9, 10, 11, 12 1 credit
A second level Project Lead the Way engineering foundation course that teaches problem solving skills using an approach called the "Design Development Process". This process involves students finding solutions by creating computer models of various products that are then analyzed and presented using a solid modeling design software program. This is a very hands-on class using project based learning to actually solve real word problems that occur in automated manufacturing and machine processes. We will also study the history of engineering and the different careers available in the engineering field. Possible to receive college credit. Calculator required for the course. Prerequisite: 8th grade math and science with teacher recommendation. Fee: \$30

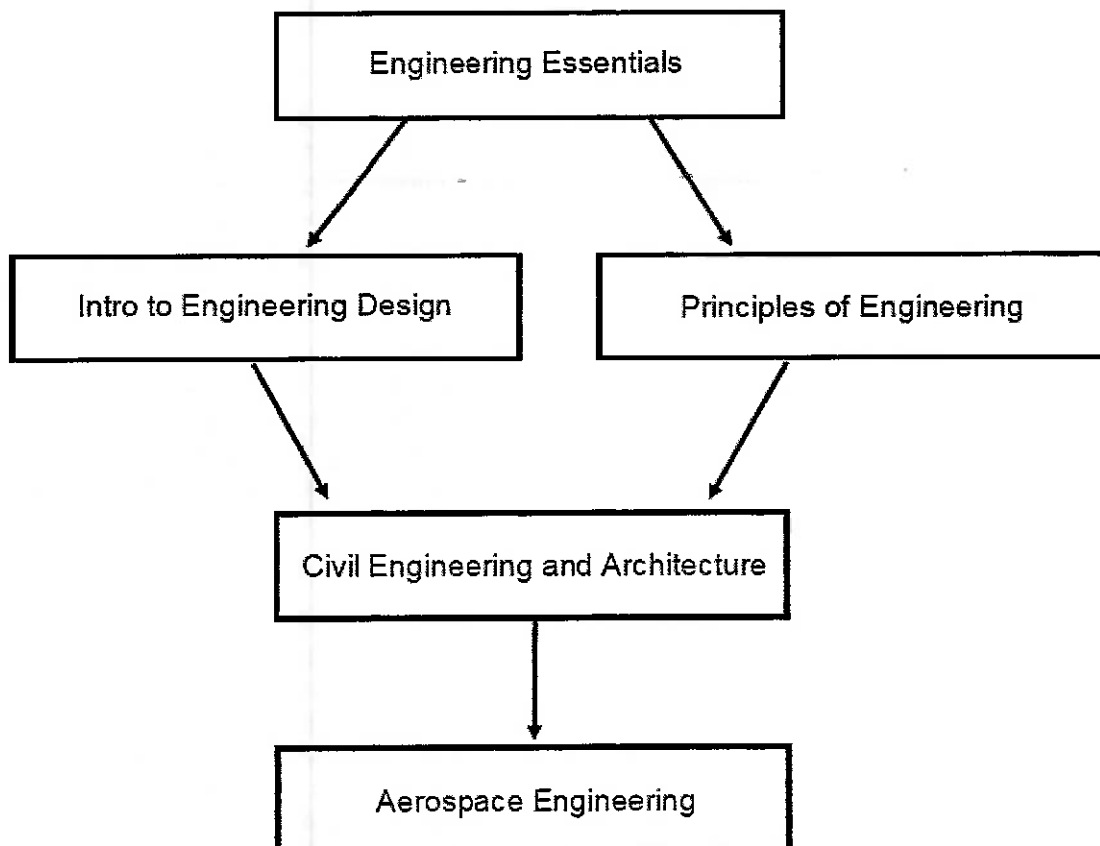
0702 Principles of Engineering (POE) 1 year Grades 10, 11, 12 1 credit
A second year Project Lead the Way engineering foundation course. Uses student activities, projects and problems to explore the wide variety of careers in engineering and technology and examine various technology systems and manufacturing processes. Students will explore technology systems and engineering processes to find out how math, science, and technology help people. This is a very hands-on class using project based learning to actually solve real word problems. Possible to receive college credit. Calculator required for the course (graphing preferred). Prerequisite: Completion of Introduction to Engineering Design with teacher recommendation. Must have a "B" or better in Math & Science in the prior year of school with teacher recommendation. Fee: \$25

0703 Civil Engineering and Architecture (CEA) 1 year Grades 10, 11, 12 1 credit
A third/fourth year of Project Lead the Way engineering course focusing on civil engineering and architecture. Builds upon previous course(s) of using computer software as well as problem solving methods. Students will work on a long-term project involving development of a property site. Students will learn about how to design and develop the property throughout the year. Students will have both hands-on project, as well as projects focusing on both residential and commercial buildings designed using Revit CAD software. Calculator required for the course. Possible to receive college credit. Prerequisite: Completion of Introduction to Engineering Design (IED) and Principles of Engineering (POE). Must have a "B" or better in Math & Science in the prior year of school with teacher recommendation. Fee: \$20

0705 Aerospace Engineering (AE) 1 year Grades 10, 11, 12 1 credit

A third/fourth year of Project Lead the Way engineering course focusing on learning the fundamentals of atmospheric and space flight. As they explore the physics of flight, students bring the concepts to life by designing an airfoil, propulsion system, and rockets. They learn basic orbital mechanics using industry-standard software. They also explore robot systems through projects such as remotely operated vehicles. Calculator required for the course (graphing preferred). Prerequisite: Must have a "B" or better in Math (Algebra II or higher) & Science in the prior year of school with teacher recommendation. Completion of Introduction to Engineering Design (IED) and Principles of Engineering (POE). Fee: \$40

PLTW Engineering Pathway: For students who wish to pursue a career in engineering, students will take engineering in one of the two possible pathways (please see above as the pathway below is abbreviated)



ENGLISH

English courses must be taken sequentially. For example, students must pass English 9 before taking English 10.

<u>0411 English 9</u>	1 year	Grade 9	1 credit
-----------------------	--------	---------	----------

Students will study literature, informational texts, writing, vocabulary development, research skills, and grammar. Students may be required to purchase one or more books for additional reading.

0412 Honors English 9	1 year	Grade 9	1 credit
------------------------------	---------------	----------------	-----------------

Honors English 9 is a more rigorous course which requires additional work to be completed by students outside of class. As a result, Honors English 9 students should be highly self-motivated learners. Students will study literature, informational texts, writing, vocabulary development, research skills, and grammar. Students may be required to purchase one or more supplemental books/novels. Honors may be taken by students who earned primarily A's and B's in English 8.

<u>0421 English 10</u>	1 year	Grade 10	1 credit
------------------------	--------	----------	----------

Students will study literature, informational texts, writing, vocabulary development, research skills, and grammar. Students may be required to purchase one or more books for additional reading. Prerequisite: English 9.

0422 Honors English 10	1 year	Grade 10	1 credit
------------------------	--------	----------	----------

Honors English 10 is a more rigorous course which requires additional work to be completed by students outside of class. As a result, Honors English 10 students should be highly self-motivated learners. Students will study literature, informational texts, writing, vocabulary development, research skills, and grammar. Students may be required to purchase one or more supplemental books/novels. Honors English 10 may be taken by students who earned primarily A's and B's in English 9, or C's and above in Honors English 9.

0431 English 11: British & World Literature and Composition 1 year Grade 11 1 credit

Students will study world literature with an emphasis on British Literature and informational texts. Studies will include vocabulary, spelling, writing, reading, research and grammar. Students will be required to purchase supplemental books/novels. Prerequisite: English 9 and 10.

0432 Honors English 11: British & World Lit. and Composition 1 year Grade 11 1 credit

Honors English 11 is a more rigorous course which requires additional work to be completed by students outside of class. As a result, Honors English 11 students should be highly self-motivated learners. Reading selections will focus on world literature with an emphasis on British Literature and informational texts. There will be extensive writing, vocabulary and reading as well as a required research paper. Students may be required to purchase supplemental books. Honors may be taken by students who earned primarily A's and B's in English 10, or C's and above in Honors English 10.

ENGLISH (continued)

0441 English 12: American Literature & Composition 1 year Grade 12 1 credit

Students will study eighteenth-, nineteenth- and early-twentieth-century foundational works of American literature as well as seventeenth-, eighteenth-, and nineteenth-century foundational U.S. documents of historical and literary significance. Studies will include reading, writing, critical thinking, vocabulary, research, and grammar/usage. Students may be required to purchase supplemental books. Prerequisite: English 9, 10 and 11.

0442 Honors English 12: American Literature & Composition 1 year Grade 12 1 credit

Honors English 12 is a more rigorous course which requires additional work to be completed by students outside of class. As a result, Honors English 12 students should be highly self-motivated learners. Students will study eighteenth-, nineteenth- and early-twentieth-century foundational works of American literature as well as seventeenth-, eighteenth-, and nineteenth-century foundational U.S. documents of historical and literary significance. Studies will include reading, extensive exposure to college writing requirements, critical thinking, research, and grammar/usage. Students will be required to purchase supplemental books. Honors may be taken by students who earned primarily A's and B's in English 11 or C's and above in Honors English 11.

0443 Advanced Placement English 12: AP Literature & Composition 1 year Gr. 12 1 credit

An Advanced Placement English course gives students the opportunity to pursue college-level studies (and possibly earn college credit) while in high school. Students will engage in the careful reading and analysis of literature. The course will concentrate on works of recognized literary merit. In response to the readings, students will be expected to participate in thoughtful discussions and write critical essays. Emphasis will be placed on helping students develop stylistic maturity characterized by a wide ranging vocabulary, a variety of sentence structures, a logical organization, a balance of generalization with specific illustrative detail, and an effective use of rhetoric. Students will be required to purchase supplemental books. AP Eng. 12 may be taken by students who earned A's and B's in Honors English 11. AP Test Fee

NOTE: Students interested in taking either Academy I or Academy II may also opt to earn either "honors" high school English credit or College Writing CCP credit.

ENGLISH CONTINUED: Dual Enrollment College Credit Plus Options Available at Crestwood High School

2624CHS Composition in the Liberal Arts I (Comp 1) 1 semester 4 college credit hours
Composition in the Liberal Arts I (WRIT15100) provides exposure to college-level intellectual inquiry through an engagement with interesting and important ideas. Each course is centered around some idea, theme, or topic fundamental to understanding and living. This course does not merely *tell* students about ideas. It rather challenges them to be actively engaged in thinking their way *into* ideas and traditions, guides them into developing their abilities at reasoned critical reflection about those ideas and traditions, and prompts them to connect that reflection to experiences beyond the course. Through the examination of the course content, students will be challenged to develop the following abilities: to read, interpret, and connect important material and experiences; to think critically; to write: students will write to learn; ability to communicate orally: students will speak, participate in discussion, and present ideas; ability to identify, evaluate, and use information appropriate for scholarly research. In this course, students will be required to write three essays for a total of 15-20 pages of formal writing. For example, two essays of about 5 pages each and a 5-7 page source (research based paper.) Students will also complete one formal oral presentation, and, since reading will provide the intellectual context for written and oral responses, students will complete approximately 150 pages of reading per week. Smaller assignments and quizzes as well as tests will also be required.

2625CHS Composition in the Liberal Arts II (Comp 2) 1 semester 4 college credit hours
Composition in the Liberal Arts II (WRIT15200) is a seminar-based course designed to be a comprehensive overview of the skills needed to thrive in college. The purpose of Comp 2 is to pay close attention to academic writing, to analyze and discuss relevant literature, to clearly articulate ideas in a public forum, to promote thinking and inquiry, and to equip students with research skills that permit them to investigate important questions and hypotheses. Comp 2 guides students in developing their abilities at reasoned critical reflection and systematic systems of research and writing about ideas and traditions. In this course, students will be challenged to write--students will write to learn; to communicate orally--students will participate in discussion and present on ideas to provoke understanding; to think critically; to read and interpret important material; to gather, evaluate, and properly use research; to recognize and analyze ethical issues. Students will be required to write 3 - 4 papers, all including research, for a total of approximately 25 pages of research writing. (For example, 3 papers of about 4-5 pages each, and a fourth paper of 10 to 12 pages). Students will also be expected to complete one formal oral presentation as well as contribute to class discussion and less formal oral presentations. Additionally, since reading will provide the intellectual context for written and oral responses, FDLA students are expected to complete approximately 150 pages of reading per week. Smaller assignments and quizzes as well as tests will also be required.

NOTE: Students interested in taking either Academy I or Academy II may also opt to earn either "honors" high school English credit or College Writing CCP credit.

ENGLISH CONTINUED - ELECTIVES:

0425 Dead Poets' Society 1 semester Grades 10, 11 & 12 ½ credit

This Spring-semester elective is for students who enjoy reading and writing poetry and who wish to expand their knowledge and understanding of poetry as well as their creative writing skills. Students will focus on reading both American and International works of poetry written by well-known poets who have left their legacy in writing as well as contemporary poets who are still writing and publishing works today. Students will also practice the art of writing and revising poetry. The course will culminate in a poetry portfolio and performance. Students will be required to purchase several collections of poetry and will be encouraged to submit original works for publication. Prerequisites: English 9 & 10

0426 Junior/Senior Seminar Fall Semester Grades 11, 12 ½ credit

This course is designed for Juniors or Seniors who intend to continue their education after graduation and wish to enhance their resume. Many colleges look for and/or require their incoming applicants to have experience in a community service project. Students who enroll in this course will research community needs, design an original service project, and put their project into action throughout the semester or year. Upon completing their service projects, students may be required to present their projects to a community organization (such as Rotary Club) and/or at a public meeting with parents, school board members, staff meeting, administrators, and other members of the community. The course will only be offered in the fall so that seniors will have time to complete a project to include on their college application or resume. Students will be required to spend additional time outside of class for the research, development, and implementation of their service projects. State standards for English 11 & 12 and National Health Education standards will be addressed in the requirements for the class. A small fee may be required for field trips and projects. Because course availability may be limited, students interested in the course should complete an application form. Prerequisites: Successfully earned 12 credits

0445 Contemporary Reading/Creative Writing 1 semester Grades 10, 11, 12 ½ credit

Students will read contemporary novels as literature. Whole class readings of specific works and independent readings of the student's choice (with teacher approval) shall comprise course content. Students will be required to purchase paperback books for this course. In conjunction with the reading of various styles and genres, students will focus writing assignments on short stories, poems, and nonfiction reflective of the various readings, including a written final paper evaluating/comparing the books chosen for the course. Credit will be counted as an elective credit toward graduation.

0434 Mythology 1 semester Grades 10, 11, 12 ½ credit

Mythologies have influenced the various cultures of the world since ancient times. Students will be instructed on the importance of mythology in relation to the cultures and the values of society. Students will develop a better comprehension of ancient writings, explore the significance of those writing in terms of cultural values, and construct their own creative myth in order to practice the components and purposes of mythology. This course provides the students with a general introduction to ancient Greek and Roman Mythology and may also touch on mythology of Egypt, Africa and the Middle East. In addition to learning the culture and history of such civilizations, students will read literature from each culture such as the Odyssey.

FAMILY AND CONSUMER SCIENCES

0625 Culinary 1-Principles of Nutrition and Wellness 1 semester Grades 9,10, 11, 12 ½ credit

In this course, students will use principles of nutrition to ensure a healthy body throughout the lifecycle. An emphasis will be placed on planning and **preparing** foods with an understanding of nutrients and their benefits, portion control and dietary needs. Additional information will include steroid and supplemental use, body weight and management and the implementation of physical activity to maintain a healthy lifestyle.

Fee: \$35.00

No prerequisite required.

0623 Culinary 2-Culinary Fundamentals 1 semester Grades 10, 11, 12 ½ credit

In this course, students will apply fundamental culinary techniques, such as knife handling skills and the recognition, selection and proper use of tools and equipment. An emphasis will be placed on mise en place, the management of time, ingredients and equipment. Students will apply standard recipe conversions using proper scaling and measurement techniques. Could you set the stage for a meal and serve it with a flair? Or, when dining out, can you exhibit acceptable social graces without embarrassing yourself? Culinary 2 is designed to help you appreciate one of the finer things in life – haute cuisine. And, you'll get an opportunity to show what you have learned on a field trip to one of Cleveland's finest restaurants.

Prerequisite: Culinary 1.

Fee: \$35.00

****This class will be offered every other year. The next offering will be in the school year 24-25.**

0626 Global Foods 1 semester Grades 10, 11, 12 ½ credit

In this course, students will compare cuisines, ingredients and preferred cooking methods of various cultures. The influence of traditions and regional and cultural perspectives on food choices and culinary practices will be emphasized. Students will examine the issues and conditions that affect the availability and quality of food in the global market, and apply advanced cooking techniques, including the use of specialty and advanced equipment in the preparation of food dishes.

Prerequisite: Culinary 1.

Fee: \$35.00

****This class will be offered every other year. The next offering will be in the school year 23-24.**

0620 Financial Management 1 semester Grades 9, 10, 11, 12 ½ credit

Students will create personal financial plans that foster a high level of well-being. Throughout the course, students will develop financial literacy skills to provide a basis for responsible citizenship and career success. Additional topics will include getting paid and the basics of taxes; analyzing services offered by financial institutions, including a checking/debit card simulation; spending plans; buying basics and consumer protection; saving/investing and risk management; credit; and insurance.

No prerequisite required. No fee

0006CCR Transitions and Careers (CCR) 1 semester Grade 9 ½ credit

It's the question they've been asking you for as long as you can remember - "What do you want to be when you grow up?" The time has come to figure out the answer! In a very short time your high school career will be over. You'll be out on your own where you'll find that your life will change dramatically. Because winning the lottery is highly unlikely, you'd best be prepared to find a satisfying and financially rewarding career. This course will help you identify and analyze your personal interests, talents, skills, aptitudes and values as you explore job opportunities. An emphasis will be placed on work ethics, team building, communication and leadership skills. Additional topics will include technology etiquette and career planning.

No prerequisite required.

FAMILY AND CONSUMER SCIENCES (CONTINUED)

0008CCR College and Career Readiness (CCR11) 1 semester Grade 11 ½ credit

In this workshop-style course, students will explore their own interests and aptitudes in order to connect with a meaningful career path. This course gives students the time and guidance to complete requirements for education and training beyond high school, such as researching careers, colleges, and scholarship opportunities, the procedures for finding a job/career and becoming a contributing member of the workforce. This course will also contain an ACT prep program that students will use in class and can continue to use after the semester.

No prerequisite required.

0430 Leadership and Community Engagement 1 year Grades 10, 11, 12 1 credit

Students involved in this course will learn to recognize, implement, and promote leadership skills both at Crestwood High School and in the surrounding community. Throughout the course of the year students will develop leadership and communication skills through their interactions with peers, teachers, administrators, and community members. Students in this class will plan and implement an overnight Leadership Retreat which will take place toward the end of the school year. This course requires an application process, which will take place following the current year's retreat.

Prerequisite: Attendance at a previous CHS Leadership Retreat. Selection of the leadership class on the schedule indicates an interest in applying. Students in this class will be required to participate in multiple fundraising activities and planning sessions outside of school hours.

Prerequisite: Application required

Fee: \$40

HEALTH AND PHYSICAL EDUCATION

1011 Health 1 Semester Grades 9, 10, 11, 12 ½ credit

This class encompasses the physical, mental, emotional, and social aspects of health and fitness and their practical application in adolescent life. This class studies national health issues, positive mental and emotional growth, nutrition, fitness, tobacco and nicotine, alcohol and other psychoactive drugs, CPR, first-aid, AIDS, sexually transmitted infections, reproduction and child-birth. Class structure includes guest speakers in specialized areas. This course is required for graduation.

One-half credit TOTAL of Physical Education is required.

1012 Physical Education Fitness 1 Semester Grades 9,10, 11, 12 ¼ credit

For highly motivated individuals who are looking to improve their health and wellness. This course will encourage students to maintain a fitness and wellness routine throughout their lives. Activities include; weight training, cardiorespiratory endurance exercises, crossfit, yoga, dancing, various sports and fitness games and stretching. The weekly plan will consist of running and stretching at the beginning of every class. Weight training and cardio will be two days per week and Fridays will be a fitness game of students choice. A pre and post physical fitness test will be given at the beginning and end of each semester, and a final exam project will be completed. There will also be various written assignments throughout the semester. This course meets the requirements for **mandatory** state assessments based on physical education standards.

1013 Physical Education Team Sports 1 Semester Grades 9, 10, 11, 12 ¼ credit

The emphasis is on using basic skills for team and individual sports and also for recreational activities such as; football, softball/wiffle ball, volleyball, basketball, line soccer/speedball, badminton, and Polo hockey. **Stretching and cardiovascular fitness is also emphasized each day for general health.** Written tests and assessments will be given to ensure comprehension of rules and comply with state standards. Students will also be evaluated on their sportsmanship and character. A pre and post physical fitness test will be given at the beginning and the end of each semester. This course meets the requirements for **mandatory** state assessments.

1015 Physical Education Advanced Fitness 1 Semester Grades 9, 10, 11, 12 ¼ credit

This course will run in tandem to the Weight Training Sport Fitness course and is for highly motivated individuals and athletes who do not participate in a sport at CHS. This class counts towards your PE requirements and can be taken more than once. This course is designed to optimize athletic performance and reduce potential for injury through a comprehensive training program to improve core strength and balance, increase explosive power, and enhance agility and speed. Students will be instructed in a variety of speed, agility, and plyometric drills throughout the semester. The weight training portion of the class will use both body weight resistance and free weight based lifting with a focus on ground based multi-joint movements. This class targets students who are very competitive and highly skilled. This course meets the requirements for **mandatory** state assessments.

PREREQUISITES: Approval by teacher. No medical restrictions- unless temporary

PE ELECTIVES

1014 Weight Training Sport Fitness 1 Semester Grades 9, 10, 11, 12 ½ credit

This course is designed to optimize athletic performance and reduce potential for injury through a comprehensive training program to improve core strength and balance, increase explosive power, and enhance agility and speed in the **sport of your choice**. Students will be instructed in a variety of speed, agility, and plyometric drills throughout the semester. The weight training portion of the class will use both body weight resistance and free weight based lifting with a focus on ground based multi-joint movements. This class targets students who are very competitive and highly skilled.

PREREQUISITES: Fall/Winter/Spring sport athlete and no medical restrictions- unless temporary

Physical Education Waiver

A student may waive his/her physical education course requirement by participating in: band, cheerleading, dance team, and/or sports for two full seasons. The law does not allow a student to take one physical education class and participate in one sport to fulfill his/her physical education requirements. A student must choose to fulfill this requirement by either taking two physical education courses or participating in two full seasons of one or more of the school sponsored activities listed above. Students must still meet the 22 credits for graduation.

INTERNSHIP PROGRAM

1457 Student Internship

1/2 year

Grades 11, 12

1/2 credit

The purpose of this course is to provide a practical introduction to the work environment through direct contact with professionals in the community. The student internship is an unpaid career-focused experience during which a student becomes directly involved in a workplace experience related to his or her area of interest. This internship will run concurrently with the internship class where students are learning the necessary skills that prepare them for the world of college and careers. This course will allow students the opportunity to research and explore careers as well as resume writing, interview skills, etc.

Admission into the class is by application only and students MUST have reliable transportation to and from their internship. Students interested in participating in this semester course should sign up twice to be enrolled in both semesters.

MATHEMATICS

**** Honors Algebra 1

1 year

Grade 8

1 credit

Honors Algebra I aims to deepen and extend student understanding built in previous courses by focusing on developing fluency with solving linear equations and inequalities and systems; extending these skills to solving quadratic and exponential functions; exploring functions, including sequences, graphically, numerically, symbolically and verbally; and using regression techniques to analyze the fit of models to distributions of data. Students apply properties of Algebra to enhance their number sense and understanding. Required material: calculator access (Desmos online calculator encouraged). Prerequisite: Honors Math 7.

0849 Math Lab – Algebra 1

1 year

Grade 9

.5 credit

This course is a Co-Requisite with Algebra 1 Connections. This class is pass/fail and designed to support learning and success in Algebra 1. Students will have opportunities to practice content, receive remediation and reteaching opportunities, and ability to access teacher support during the school day.

0801 Algebra I Connections

1 year

Grade 9

1 credit

Algebra I Connections aims to deepen and extend student understanding built in previous courses by focusing on developing fluency with solving linear equations and inequalities and systems; extending these skills to solving quadratic and exponential functions; exploring functions, including sequences, graphically, numerically, symbolically and verbally; and using regression techniques to analyze the fit of models to distributions of data. Co-Requisite: Algebra 1 Math Lab. Required material: calculator access (Desmos online calculator encouraged).

0814 Algebra I

1 year

Grade 9

1 credit

Algebra I aims to deepen and extend student understanding built in previous courses by focusing on developing fluency with solving linear equations and inequalities and systems; extending these skills to solving quadratic and exponential functions; exploring functions, including sequences, graphically, numerically, symbolically and verbally; and using regression techniques to analyze the fit of models to distributions of data. Required material: calculator access (Desmos online calculator encouraged). Prerequisite: Math 8 or Teacher recommendation.

0851 Math Lab - Geometry

1 year

Grade 10

.5 credit

This course is a Co-Requisite with Geometry Connections. This class is pass/fail and designed to support learning and success in Geometry. Students will have opportunities to practice content, receive remediation and reteaching opportunities, and ability to access teacher support during the school day. Required material: calculator access (Desmos online calculator encouraged).

0802 Geometry Connections

1 year

Grades 10

1 credit

Geometry Connections aims to formalize and extend the geometry that students have learned in previous courses. It does this by focusing on establishing triangle congruence criteria using rigid motions and formal constructions, building a formal understanding of similarity based on dilations and proportional reasoning, developing the concepts of formal proof, exploring the properties of two- and three-dimensional objects, working within the rectangular coordinate system to verify geometric relationships, proving basic theorems about circles, and using the language of set theory to compute and interpret probabilities for compound events. Co-Requisite: Geometry Math Lab. Required material: calculator access (Desmos online calculator encouraged). Prerequisite: Algebra 1 Connections

MATHEMATICS CONTINUED

0834 Geometry 1 year Grades 9, 10 1 credit

Geometry aims to formalize and extend the geometry that students have learned in previous courses. It does this by focusing on establishing triangle congruence criteria using rigid motions and formal constructions, building a formal understanding of similarity based on dilations and proportional reasoning, developing the concepts of formal proof, exploring the properties of two- and three-dimensional objects, working within the rectangular coordinate system to verify geometric relationships, proving basic theorems about circles, and using the language of set theory to compute and interpret probabilities for compound events. Required material: calculator access (Desmos online calculator encouraged). Prerequisite: Algebra 1

0835 Honors Geometry 1 year Grade 9 1 credit

Honors Geometry aims to formalize and extend the geometry that students have learned in previous courses. It does this by focusing on establishing triangle congruence criteria using rigid motions and formal constructions, building a formal understanding of similarity based on dilations and proportional reasoning, developing the concepts of formal proof, exploring the properties of two- and three-dimensional objects, working within the rectangular coordinate system to verify geometric relationships, proving basic theorems about circles, and using the language of set theory to compute and interpret probabilities for compound events. This is a more rigorous course that requires significant work outside of class. (**Teacher recommendation required.**) Required material: calculator access (Desmos online calculator encouraged). Prerequisite: Honors Algebra 1 (at least B average)

0807 Algebra II Connections 1 year Grade 11, 12 1 credit

Algebra II Connections aims to apply and extend what students have learned in previous courses by focusing on finding connections between multiple representations of functions, transformations of different function families, finding zeros of polynomials and connecting them to graphs and equations of polynomials, modeling periodic phenomena with trigonometry, and understanding the role of randomness and the normal distribution in making statistical conclusions. Required material: graphing calculator access. Prerequisite: Geometry.

0824 Algebra II 1 year Grade 10, 11 1 credit

Algebra II aims to apply and extend what students have learned in previous courses by focusing on finding connections between multiple representations of functions, transformations of different function families, finding zeros of polynomials and connecting them to graphs and equations of polynomials, modeling periodic phenomena with trigonometry, and understanding the role of randomness and the normal distribution in making statistical conclusions. Required material: graphing calculator access. Prerequisite: Geometry.

0825 Honors Algebra II 1 year Grade 10 1 credit

Honors Algebra II aims to apply and extend what students have learned in previous courses by focusing on finding connections between multiple representations of functions, transformations of different function families, finding zeros of polynomials and connecting them to graphs and equations of polynomials, modeling periodic phenomena with trigonometry, and understanding the role of randomness and the normal distribution in making statistical conclusions. This is a more rigorous course that requires significant work outside of class. (**Teacher recommendation required.**) Required material: graphing calculator access. Prerequisite: Honors Geometry.

MATHEMATICS CONTINUED

0844 Pre-Calculus 1 year Grades 11, 12 1 credit

Topics include linear relations and functions, systems of equations and inequalities, the nature of graphs, polynomial and rational functions, exponential and logarithmic functions, conic sections, sequences and series, combinations and permutations, limits, and polar coordinates. and trigonometric functions and identities. Required material: graphics calculator. Prerequisites: Algebra II and Geometry.

0808 Applied Mathematical Concepts 1 year Grade 12 1 credit

This course prepares students to investigate contemporary issues mathematically and to apply the mathematics learned in earlier courses to answer questions that are relevant to their civic and personal lives. The course reinforces student understanding of: percent, functions and their graphs, probability and statistics, multiple representations of data and data analysis. This course also introduces functions of two variables and graphs in three dimensions. The applications in all sections should provide an opportunity for deeper understanding and extension of the material from earlier courses. (Prerequisite: Algebra II, Algebra II Connections)

0846 Calculus 1 year Grade 12 1 credit

This course is designed for the senior who wants to maintain math skills while gaining a solid background in calculus – this is an upper level math course. It will begin with a review of pre-calculus topics, followed by exploration of limits, derivatives, and integrals, and their applications. Required material: graphics calculator. Prerequisite: PreCalculus or Honors PreCalculus.

0848 Statistics and Probability 1 year Grade 11, 12 1 credit

This course is designed for the student with an interest in areas of mathematics outside of calculus – this is an upper level math course. This course features the study of techniques in descriptive statistics for one variable, bivariate, and categorical data; frequency and probability distributions; and the introduction of hypothesis testing. This includes applications of statistical analysis to various fields through project applications. Required material: graphing calculator. This is a more rigorous course that requires significant work outside of class. (**Teacher recommendation required.**) Prerequisites: Algebra II or Algebra II Honors

0845 Honors Pre-Calculus 1 year Grade 11 1 credit

Topics include linear relations and functions, the nature of graphs, polynomial and rational functions, trigonometric functions and identities, conics, exponential functions and logarithmic functions. Required material: graphics calculator. This is a more rigorous course that requires significant work outside of class. (**Teacher recommendation required.**) Prerequisite: Honors Algebra II

MATHEMATICS CONTINUED

0847 A.P. Calculus AB

1 year

Grade 12

1 credit

This is a college level course consisting of material that would generally be covered in the first year of college calculus – this is an upper level math course. Topics include limits, the derivative and applications, and the definite and indefinite integral and applications. In April students will complete a rigorous review to prepare for the A.P. Calculus test administered by the College Board in early May, which may result in college credit being granted. This is a more rigorous course that requires significant work outside of class. **(Teacher recommendation required.)** Required material: Graphing calculator. Prerequisite: B or better in Honors Pre-Calculus. Fee: \$97.00.

0852 A.P. Statistics

1 year

Grade 11, 12

1 credit

The AP Statistics course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes evident in the content, skills, and assessment in the AP Statistics course: exploring data, sampling and experimentation, probability and simulation, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding. In April students will complete a rigorous review to prepare for the A.P. Calculus test administered by the College Board in early May, which may result in college credit being granted. This is a more rigorous course that requires significant work outside of class. **(Teacher recommendation required.)** Required material: Graphing calculator. Prerequisite: Honors Algebra II. Fee: \$97.00.

Recommended Math Sequence

Entry (Grade 7)	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
Math 7	Math 8	Algebra 1 Connections	Geometry Connections	Algebra II Connections	Applied Math
					Statistics (by rec)
Math 7	Math 8	Algebra 1	Geometry	Algebra II	Pre-Calculus
					Statistics (by rec)
Math 7	Algebra 1	Geometry	Algebra II	Pre-Calculus	Calculus
					Statistics
Honors Math 7	Honors Algebra 1	Honors Geometry	Honors Algebra II	Honors Pre-Calculus	AP Calculus
					AP Statistics
Honors Algebra 1	Honors Geometry	Honors Algebra II	Honors Pre-Calculus	AP Calculus	AP Statistics
				AP Statistics	AP Calculus

MUSIC

0911 Band 1 year Grades 9, 10, 11, 12 1 credit
Instrumental Music is an academic class where students earn one unit of elective credit per year. Members of the band participate in Marching Band during the first quarter, and then Symphonic Band in quarters 2,3,4.

Students enrolled in Instrumental Music are expected to attend all summer rehearsals/practices as well as after school practices held throughout the school year. An information packet is handed out each spring to outline practice times and performance dates. Marching Band members perform for adjudicated events and ten football games. There are also numerous community events and parades.

Each year's curriculum is different as it is based on a new show production. Skills learned will include basic ballet positions/dance, light athletic conditioning (including core exercises, stretching, cardio), marching techniques, and instrumental music instruction.

Symphonic Band (quarters 2, 3, 4) focuses on standard wind band literature as well as various other musical styles. Students also continue to develop individual instrumental skills, and have the opportunity to play solos and participate in small ensembles. The Symphonic Band performs four school concerts in December, March, April, and May. Additionally, the Symphonic Band performs for school ceremonies and at an adjudicated event in early spring.

Prerequisite: previous school band experience or director approval Fee: \$200

"Required evening rehearsals are held to prepare the ensembles for performances."

0909 Colorguard 9 weeks Grades 9, 10, 11, 12 ¼ credit
Students audition for Colorguard in April/May before the fall enrolled in the course.
Students enrolled in Instrumental Music are expected to attend all summer rehearsals/practices as well as after school practices held throughout the school year. An information packet is handed out each spring to outline practice times and performance dates. Colorguard/Marching Band members perform for adjudicated events and ten football games. There are also numerous community events and parades.

Each year's curriculum is different as it is based on a new show production. Skills learned will include basic ballet positions/dance, light athletic conditioning (including core exercises, stretching, cardio), marching techniques. The course includes instruction in dance techniques, body movement, flag technique, and is the main visual component of the Scarlet Guard Marching band.

This is ONLY for students interested in doing colorguard, but do not play an instrument. All students in Colorguard that play instruments should enroll in Instrumental Music.

Prerequisite: audition in spring of previous year Fee: \$100

MUSIC CONTINUED

0910 Jazz Band (60 hours of class offered after school) Grades 9-12 ½ credit
Students in grades 9-12 that play jazz instruments: saxes, trumpet, trombone, bass, guitar, piano, drum set. Does not need to be enrolled in instrumental music, but must have playing experience on their specific instrument.

Prerequisite: Students should be enrolled in band, or have teacher permission Fee: \$50

0912 Concert Choir 1 year Grades 9, 10, 11, 12 1 Credit
Concert Choir is open to those students who have an interest in choral singing. Basic musical elements are reviewed with emphasis on developing concert vocal technique. Compositions of all styles and time periods will be studied. Students are required to attend all scheduled performances and special rehearsals, including the "pops" concert. The choir fee covers the cost of music and supplies. There is no prerequisite for this course. Fee: \$50

0913 Chamber Singers 1 year Grades 10, 11, 12 1 credit
Chamber Singers is an audition based group that will perform at all community events, graduation, school assemblies, Solo & Ensemble, and Large Group Contest. All Grades 9-12 are able to audition at the end of the previous school year to ensure their spot for the upcoming year. Only 12 members will be allowed a spot. Chamber Singers meet during school hours and after school hours twice a week. Advanced musical elements are reviewed with emphasis on developing concert vocal technique. Compositions of all styles and time periods will be studied including foreign language. Students are required to attend all scheduled performances and special rehearsals. The choir fee covers the cost of music and supplies. Must have 1 year of Concert Choir completed to audition. Fee: \$50

0918 Intro to Ukulele 1 semester Grades 9, 10, 11, 12 ½ credit
Intro to ukulele is designed to teach students how to hold, strum, and play the ukulele. Students will play in small groups and as a large ensemble. Students will have the opportunity to pick songs of their choosing to learn in class. Students will also get the opportunity to create their own song using chord progressions learned throughout the course. Fee: \$50
***This class will be offered every other year. The next offering will be in the school year 23-24.*

0928 Intro to Guitar 1 semester Grades 9, 10, 11, 12 ½ credit
Intro to guitar is designed to teach students how to hold, strum, and play the guitar. Students will play in small groups and as a large ensemble. Students will have the opportunity to pick songs of their choosing to learn in class. Students will also get the opportunity to create their own song using chord progressions learned throughout the course.
***This class will be offered every other year. The next offering will be in the school year 24-25.*

0925 Intro to Piano Skills 1 semester Grades 9, 10, 11, 12 ½ credit
Intro to piano is designed to teach students music notation, harmony, and the skills necessary to play piano with both left and right hands. Students will gain experience with classical and contemporary music. Fee: \$30

MUSIC CONTINUED

0926 Musical Theater 1 semester Grades 9, 10, 11, 12 ½ credit

Students will research and learn about the history of musicals, planning plays / one acts, set design, costume creation/ repair, hair and makeup, sound and lights, and backstage organization. Class will conclude with individual projects of creating their own show. Fee: \$50

***This class will be offered every other year. The next offering will be in the school year 23-24.*

0917 Music Theory 1 semester Grades 10, 11, 12 ½ credit

In this semester-long course, students will learn how to read, write, and analyze music. Music theory is a class designed for the advanced musician to more thoroughly understand the components of music and music composition. This class will enable the student to successfully complete basic college theory classes. Students will also be able to compose music and understand the guidelines used in music composed by others. Students must be able to read music and have been a member of one of our music ensembles before taking this course.

**This class will be offered every other year. The next offering will be in the school year 24-25.*

0927 History of Rock and Roll 1 semester Grades 9, 10, 11, 12 ½ credit

This semester course will explore the roots of rock in rhythm and blues, beginning of rock and roll in the 1950's and explore all the way to the 1990's. The course will not only explore the music and artists, but the cultural context of that music in the world.

SCIENCE

1111 Physical Science 1 year Grades 9, 10 1 credit
 This class will provide students with basic knowledge and background in the physical sciences. Topics will include matter, chemical reactions, energy, waves, motion, and Newton's laws. Students will be made aware of their place in the physical world and the interactions that exist between humans and their environment as well as science and technology in society. (This course fulfills a physical science requirement.) Fee: \$15

1110 Honors Physical Science 1 year Grades 9, 10 1 credit
 This is a more rigorous course designed for students who want to pursue a science-related career. Students will take an in-depth look at a variety of topics such as matter, chemical reactions, motion, energy, and waves. Students will use critical thinking and reasoning skills to apply the basic concepts of physics and chemistry to real world problems. Failure of this course will result in automatic enrollment in Physical Science the following school year. Prerequisite: Algebra 1. (This course fulfills a physical science requirement.) Fee: \$15

1121 Biology 1 year Grades 10 1 credit
 Students in this course use a basic, hands-on approach to high school biology. Classroom lessons are a mixture of lectures and labs. Topics will include cells, chemistry of life, genetics, plants, animals, and ecology. The interactions between people and their environment will be emphasized along with an ongoing attempt to connect the material to current events in our world. (This course or Honors Biology must be taken to fulfill the biological science requirement.) Fee: \$15

1112 Honors Biology 1 year Grades 10 1 credit
 This biology class offers an exciting look at life. Classroom lessons are a mixture of lectures and labs (experiments, microscope work and dissection). Topics studied include the cell, biochemistry, genetics, organic evolution as well as the diversity and classification of plants, animals and the other organisms (This course or Biology must be taken to fulfill the biological science requirement.) Fee: \$15

1113 Human Biology 1 year Grades 11, 12 1 credit
 This course is designed to be a basic science course in which students will gain a practical understanding of the human body and its functions. Students will learn about the different systems of the human body and how the systems work together. The course will also include human disease, current health issues, and new developments in the field of medicine. Elective. Failure of this course will result in enrollment in Environmental Science or repeating Human Biology the following school year. Prerequisite: Passing score in Biology or Honors Biology. Fee: \$15

1133 Environmental Science 1 year Grades 11, 12 1 credit
 This course is designed to study environmental issues from the local, regional, national and international perspectives. Students will work independently and in groups to study current issues such as global warming. Field experiences will be used, along with journals, discussions, and various problem-solving approaches. Part I will include labs and projects dealing with the principles of ecology. Part II will discuss people and the environment. Prerequisite: Biology or Honors Biology. Elective. Failure of this course will result in enrollment in Human Biology or repeating Environmental Science the following school year. Fee: \$15

SCIENCE CONTINUED

1136 Honors Environmental Science 1 year Grades 11, 12 1 credit
Honors Environmental is a full year course that follows quicker and more in depth pace than Environmental Science. This is an intensive course consisting of lecture, discussion, and detailed lab work. Specific topics include resource use, changes to the planet, population, ecosystem structure, and pollution. Grades will be taken from tests, projects, and lab reports. Students will be expected to complete some assignments outside of the regular class period. The goal of the class is to prepare the students for college level work and exposing them to various careers in Environmental Sciences. . Prerequisites include: B or better in Honors Biology or successful completion of any of the other advanced science courses. Fee: \$15.00

1123 Chemistry 1 year Grades 11, 12 1 credit
Chemistry is the study of matter. Through the use of laboratory experiments and mathematics, the students will investigate topics such as atomic structure, quantum theory, heat flow, and the properties, behavior, and bonding of elements, compounds, gases, liquids, and solids. Metrics and dimensional analysis will be stressed in solving problems involving unit conversion, molecular weight, moles, and stoichiometry. Emphasis is placed on developing reasoning skills and powers of observation. Prerequisites: Grade of "B" or higher in Biology and Algebra I. (This course fulfills a physical science requirement.) Fee: \$20

1135 Honors Chemistry 1 year Grades 11, 12 1 credit
This course is intended for students who have shown an aptitude for science and mathematics, and who have exhibited interest in and enthusiasm for science in general and chemistry in particular. Topics to be studied include chemistry laboratory skills, classification and structure of matter, chemical reactions, physical chemistry, solutions and acid-base chemistry, kinetics and equilibrium, thermodynamics, and electrochemistry. Critical thinking (the ability to carry out systematic thought processes in making decisions and solving problems), inquiry (solving problems through scientific investigation) and science ethics are stressed in this class. Special emphasis will be placed on applying mathematics and critical thinking skills to problem solving in chemistry. Fee: \$20
Prerequisites: Grade of "B" or higher in Honors Biology and Algebra I. (This course fulfills a physical science requirement.)

1131 Physics I 1 year Grades 11, 12 1 credit
The goal of this course is for students to gain a fundamental understanding of the principles which govern our interactions with nature. Students will develop this understanding through hands-on investigation, classroom discussion, and mathematical exercises which challenge the student to use conceptual reasoning and critical thinking in applying the principles of physics to common situations. Topics of study include: forces, motion, momentum, energy, waves and energy transfer, sound, optics, and electricity and magnetism. Failure of this course will result in enrollment in Environmental Science or Human Biology the following school year. Prerequisite: Grade of "B" or higher in Algebra I and/or Geometry and "C" or higher in Honors Biology and/or Chemistry. Fee: \$15

SCIENCE CONTINUED

1134 Human Anatomy/Physiology 1 year Grades 11, 12 1 credit

This course is designed for those students considering careers in science, biology, medicine, or any health-related field (physical therapy, nursing, sports medicine, etc.). However, it would also be appropriate for any college-bound junior or senior interested in thoroughly preparing for the future. Topics covered include biochemistry, endocrinology, cells, molecular genetics (DNA), human anatomy and human physiology. The teaching format consists of a mixture of lecture and lab (dissection, microscope work, and experiments). Prerequisite: Grade of "C" or higher in Honors Biology and Chemistry or Physics. Fee: \$25

1132 AP Physics 1 year Grades 11, 12 1 credit

AP Physics is designed to be equivalent to a first-semester introductory college course in algebra-based physics. This course provides a more in-depth look at the main principles of physics and emphasizes the development of conceptual understanding, problem-solving ability, and critical inquiry. Main topics covered include: Newtonian mechanics (including rotational dynamics and angular momentum), work energy, power, and mechanical waves and sound. This course will also introduce electric circuits. Prerequisite: Grade of "B" or higher in Honors Chemistry, Physics I, and Advanced Math or Honors Advanced Math. *Recommendation from math teacher and meeting with course advisor required for enrollment without Physics I. Fee: \$20 & Advanced Placement

1137 Astronomy 1 semester Grades 10, 11, 12 ½ credit

How big is the Universe? Are we alone in the cosmos? Is interstellar travel possible? These will be some of the questions studied in this course which will enable students to develop & apply knowledge of the known Universe. This course is intended for students who have shown an aptitude for science and physics, and who have exhibited interest in & enthusiasm for science in general. Topics to be studied include early astronomers, telescopes, constellations, stars, galaxies, solar systems, planets, moons, comets, planetary motion, nebulae, dark matter, black holes, rocket science, artificial satellites, space probes, and astronauts in space. Critical thinking (the ability to carry out systematic thought processes in making decisions and solving problems) and inquiry (solving problems through scientific investigation) are stressed in this class.

1138 Horticulture Class 1 semester Grades 10, 11, 12 ½ credit

Horticulture is the study of growing plants for both food and landscaping purposes. This class will investigate both traditional and more advanced methods of growing plants that provide value to human societies. We will work in the greenhouse most of the year although outside activities will take place during appropriate seasons. Students will work in teams to not only learn techniques but work to create new methods through experiential learning.

1139 WildLife Surveying 1 semester Grades 10, 11, 12 ½ credit

This course is designed to provide training in principles and commonly used techniques for surveying and monitoring wildlife. Students that complete this course will better understand the reasons for monitoring wildlife and the methodologies used to do so. This course includes both classroom instruction and hands-on experience and will better equip students to participate in data collection for wildlife monitoring projects.

SOCIAL STUDIES

1207 Modern World History

1 year

Grade 9

1 credit

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

Fee: \$15

1206 Modern World History—Honors

1 year

Grade 9

1 credit

This course examines world events from 1600 to the present. It explores the impact of the democratic and industrial revolutions, the forces that led to world domination by European powers, the wars that changed empires, the ideas that led to independence movements and the effects of global interdependence. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions. The honors course will focus more on the analysis of sources and be taught at a more rigorous pace. Teacher recommendation required.

Fee: \$15

1215 U.S. History

1 year

Grade 10

1 credit

This course examines the history of the United States of America from 1877 to the present. The federal republic has withstood challenges to its national security and expanded the rights and roles of its citizens. The episodes of its past have shaped the nature of the country today and prepared it to attend to the challenges of tomorrow. Understanding how these events came to pass and their meaning for today's citizens is the purpose of this course. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions. Students may be required to purchase additional reading material. Required for graduation.

Fee: \$15

1214 Honors U.S. History

1 year

Grade 10

1 credit

This course examines the history of the United States of America from 1877 to the present. The federal republic has withstood challenges to its national security and expanded the rights and roles of its citizens. The episodes of its past have shaped the nature of the country today and prepared it to attend to the challenges of tomorrow. Understanding how these events came to pass and their meaning for today's citizens is the purpose of this course. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions. The honors course will focus more of the analysis of sources and will be taught at a more rigorous pace. Students may be required to purchase additional reading material. Required for graduation. Teacher recommendation required.

Fee: \$15

1210 Advanced Placement U.S. History

1 year

Grades 10, 11, 12

1 credit

This course is designed to be the equivalent of a two-semester introductory college or university U.S. history course. In AP U.S. History students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical comparisons; and utilizing reasoning about contextualization, causation, and continuity and change over time. Students will be required to participate in the AP exam at the completion of this course. Students may be asked to purchase additional materials. Teacher recommendation required.

AP Test Fee

SOCIAL STUDIES CONTINUED

1201 American Government/Economics 1 year Grades 11, 12 1 credit
How the American people govern themselves at national, state and local levels of government is the basis for this course. Students will be introduced to opportunities for civic involvement as well as analyze the basic structures and principles of the United States Constitution. Students may be required to purchase additional reading material. Fee: \$15

1202 Honors American Government/Economics 1 year Grades 11, 12 1 credit
This is a more rigorous course appropriate for higher achieving students. How the American people govern themselves at national, state and local levels of government is the basis for this course. Students will be introduced to opportunities for civic involvement as well as analyze the basic structures and principles of the United States Constitution. Students may be required to purchase additional reading material. Students may be required to purchase additional reading material. Teacher recommendation required. Fee: \$15

1216 Advanced Placement U.S. Government and Politics 1 year Grades 11, 12 1 credit
This course is a college-level introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will analyze U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions between political institutions and behavior. They will read and interpret data, develop evidence-based arguments, and engage in an applied civics or political based research-based project. Students will be required to participate in the AP exam at the completion of this course. Teacher recommendation required. AP Test Fee

1232 Psychology 1 semester Grades 10, 11, 12 ½ credit
This class is the study of individual behavior and mental processes. Students will learn the motivations, reasons, and cognitive processes behind the actions of humans. Elective.

1233 Sociology 1 semester Grades 10, 11, 12 ½ credit
This class is the study of group behavior. Students will develop an understanding of why society functions as it does. Elective.

1203 American Wars 1 semester Grades 10, 11, 12 ½ credit
This is a semester class in U.S. military history. It will examine the causes, events, and results of American military conflicts. Most attention will be paid to the Spanish-American War, World War I, World War II, Korea and the Vietnam War. Students may be required to purchase additional reading materials. Elective.

SOCIAL STUDIES CONTINUED

1205 American History in Film 1 semester Grades 9, 10, 11, 12 ½ credit

This course examines twentieth-century American history, focusing on American culture and society after World War I. You will critically analyze how American cultural and social conflicts are portrayed and worked out in popular films. By watching, discussing, and writing about these films, you will examine how motion pictures create a window into modern American culture and society. You will view American films such as: The Great Gatsby, Seabiscuit, Sands of Iwo Jima, Bridge of Spies, The Founder, Mississippi Burning, Platoon, Argo, and Lee Daniels' The Butler, amongst others. Parental permission will be required to watch "R"-rated films. The list is subject to change based on film availability and selection.

1234 Current Events 1 semester Grades 9, 10, 11, 12 ½ credit

This elective course will focus on local, state, national and world issues or news. Students will use a variety of resources, media outlets and online websites to decipher the reliability of information as well as potential biases using primary and secondary sources. This information will lead to class discussions, presentations, activities and projects.

1235 AP Psychology 1 Year Grades 10,11,12 1 credit

AP Psychology is an introductory college-level psychology course. Students cultivate their understanding of the systematic and scientific study of human behavior and mental processes through inquiry-based investigations as they explore concepts like the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, psychological disorders and treatment, altered states of consciousness, and social psychology. Throughout the course, students employ psychological research methods, consider ethical questions regarding research, evaluate claims and evidence, and consider the psychologists and studies that have shaped the field.

AP Test Fee

WORK STUDY PROGRAMS

Career Based Intervention Programs

CBIP II

1 year

Grades 12

4 credits

CBIP II junior and senior students are in a CBIP II (Core subject- 1 credit) and a CBIP II Related class (1 credit) for two consecutive periods a day all year and are required to work at an approved job for a minimum of 15 hours per week for their CBIP II Lab credits (2 credits). Students spend a significant amount of time investigating possible career paths, learning about education and training options for after high school, and learning how to apply for financial aid to help pay for education and training after high school. Students must apply to the program and be accepted based on specific criteria. See the guidance office or the CBIP teacher for an application.

WORLD LANGUAGES

0511 French I

1 year

Grades 9, 10, 11, 12

1 credit

In this class, students learn basic communicative skills, focusing on everyday conversational topics. Students develop oral pronunciation skills and aural listening skills through skits and informal conversations. Literacy is developed through short readings and various writing styles (dialogues, poems, reflective essays). Cultural knowledge and comparisons are made through readings, discussion, online investigation and personal connections to students in France through pen pal exchanges. Fee: \$16

0521 French II

1 year

Grades 9, 10, 11, 12

1 credit

Students develop more sophisticated levels of communicative speech and writing. Cultural connections continue through study, discussion and first-hand experience via pen pals and authentic websites. Students will begin to read more intensely. Prerequisite: French I. Fee: \$16

0531 French III

1 year

Grades 10, 11, 12

1 credit

This class is the first in a two-year curriculum (the second part is completed in French IV). The curriculum is based on AP French themes; students engage in topics such as science and technology, art and aesthetics, and contemporary life. Students will work with authentic materials to develop deeper understanding of these themes through the lens of French language and culture. The class is conducted in French about 85% of the time. Prerequisite: French I and II. Fee: \$16

0541 French IV

1 year

Grade 11, 12

1 credit

This class is the second in a two-year. As with French III, the curriculum is based on AP French themes; students will engage in a new set of topics such as personal and public identities, families and communities, and global challenges. Students will work with authentic materials to develop a deeper understanding of these themes through the lens of French language and culture. The class is conducted in French about 85% of the time. Prerequisite: French I, II, and III. Fee: \$16

0513 Spanish I

1 year

Grades 9, 10, 11, 12

1 credit

This course introduces students to effective strategies for beginning Spanish language learning, and to various aspects of Spanish speaking culture. This course encourages interpersonal communication through speaking and writing, providing opportunities to make and respond to basic requests and questions, to understand and use appropriate greetings and forms of address, to participate in brief guided conversations on familiar topics, and to write short passages with guidance. This course also emphasizes the development of reading and listening comprehension skills, such as reading isolated words and phrases in a situational context and comprehending brief written or oral directions. Additionally, students will examine the practices, products and perspectives of Spanish-speaking culture; recognize basic routine practices of the target culture; and recognize and use situation-appropriate non-verbal communication. This course further emphasizes making connections across content areas and the application of understanding Spanish language and culture outside of the classroom. Fee: \$25

0523 Spanish II

1 year

Grades 9, 10, 11, 12

1 credit

Students will grow in their ability to speak, write, read, and understand Spanish. Students will study vocabulary, grammar and culture while working on these skills. Grammar covered in this course includes: indirect and direct object pronouns, demonstrative adjectives, possessive adjectives, as well as the preterite, imperfect and future tenses. Prerequisite: Spanish I. Fee: \$25

WORLD LANGUAGES CONTINUED

0533 Spanish III

1 year

Grades 10, 11, 12

1 credit

Students build upon target language skills in the areas of listening, reading, writing, and speaking. Students further develop vocabulary skills through oral and written exercises and through the application of vocabulary to create sentences and short paragraphs in written and oral form. Students gain listening and speaking skills through the use of online activities, audio, and video resources. This includes conversational development in familiar topics and stories, major holidays and cultural celebrations, as well as understanding and responding to commands and questions. Prerequisite: Spanish I and II Fee: \$25

0543 Spanish IV

1 year

Grades 11, 12

1 credit

Students will design and develop projects to explore Hispanic art, music and literature. An emphasis will also be placed on exploring Spanish-speaking use of technology, college life, finances and forms of entertainment. Prerequisite: Spanish I, II and III Fee: \$25

YEARBOOK

0424 Yearbook

1 year

Grades 9, 10, 11, 12

1 credit

This class is responsible for the production of the high school yearbook and is also an introduction to graphic design class with a full art credit. Students who are interested must get references from three teachers. Reference forms are located in the counselor's office. Students will learn how to take photos using yearbook cameras and editing techniques with Adobe Photoshop. Students will also learn graphic design and layout skills using Adobe Indesign and Treering editing tools. Students work as a team to produce the yearbook and are responsible for creating, editing 1-2 spreads per quarter. Students must be highly motivated, responsible and self starters. Some after school hours are required to photograph school events