

**Licking Heights High School
Program of Study
2019-2020**



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Licking Heights Local School District

In partnership with students, family and community,
Licking Heights Local School District
will ensure that all students acquire the
skills, knowledge, and expertise to succeed
as effective citizens and workers in the 21st century.

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Beth Chatfield, *School Counselor*

Cerita Fowler, *School Counselor*

Michelle Gabriel, *School Counselor*

Common Terminology

Elective - Subjects not required by the State of Ohio.

Prerequisite - Background for taking a certain course or subject. This could include grades, grade level, previous course or experience, hobbies, interests and ability.

Required subject - State of Ohio or local school board mandates some subjects to be required for graduation.

Semester course - One half of the school year, usually expressed by: 1st semester, 2nd semester.

Transcript - A complete record of courses taken and grades and credits earned. If a student is under 18, a parent must sign a release form before a transcript will be released.

Carnegie Unit – A measure of the amount of time a student has studied a subject. For example, a total of 120 hours in one subject -- meeting 4 or 5 times a week for 40 to 60 minutes, for 36 to 40 weeks each year -- earns the student one "unit" of high school credit.

Pupil load, credits carried - Students need to earn 5.25 credits per year in order to have the required 21 credits needed for graduation.

Records release - A form obtainable from the guidance office or the principal's secretary authorizing the school to release transcripts and/or school records to another institution or individual. Students under 18 will need a parent signature to release any records.

FAFSA, FAF - Financial aid forms for determining financial need for colleges and scholarships. These are available in the guidance office.

ACT, SAT - College entrance exams. Usually the exams are taken late in the junior year or early in the senior year. They may be repeated. Forms are available in the guidance office. Licking Heights' CEEB School Code is 364900

Fine Arts - Examples that could satisfy this requirement are: Art, Choir or Band (marching, concert, stage band). Please check individual university requirements.

Weighted course - A weighted class is worth more points toward a student's grade point average than a regular course.

Suggestions for Course Selections

All Students

1. Read carefully the section **The Educational Program**.
2. Make an accurate list of all high school credits you have received including those you will receive during the present school year.
3. Using the advice of your parents and your teachers, structure a program for you and you alone. Do **NOT** adjust your college or career plan to fit the wishes of a friend.
4. Keep in mind your past successes or failures, your ability, attitude, future and realistic goals.

Schedule Change Policy

At the time you sign up for classes, the counselor will discuss the seriousness of correct class selection. Many hours of preparation and study have been expended in the registration and scheduling process. The master schedule is devised to allow maximum utilization of facilities and staff while still providing students the opportunity to take a variety of classes. Course offerings and staff decisions were based on the classes you originally chose. **Once selected, changes will be allowed only for the following academic reasons:**

1. Required course omitted from the schedule
2. Prerequisite for selected course not completed
3. Clerical or computer errors during the registration process
4. Insufficient credits
5. Unforeseen emergency situation

Students that have to submit a schedule change request because of the above reasons will have two weeks at the beginning of each semester to file the proper paperwork. Students that are enrolled in advanced placement courses will only be able to change their AP class at the end of the previous school year due to summer work requirements.

The Educational Program

Rank and Promotion

Each year students will advance to the next grade level based on credits. By the end of their junior or third year of high school, a student must have accumulated 15 credits in order to be considered a senior. If a student does not have 15 credits they will remain a junior and will need to make a plan with their guidance counselor for graduating. The following are the credit requirements for promotion:

4.75 credits or more to be a sophomore

9.5 credits or more to be a junior

15 credits or more to be a senior

21 credits or more to graduate (credits must be in the required areas)

All summer school credits must be received in the high school office prior to August 10, 2019.

Any student in grades 9 through 12 who is failing a course required for graduation must either:

1. Repeat the failed course the following school year, or
2. Make up the failed course by successfully completing the course online or in summer school.

If the student does not attend summer school and the course work cannot be rescheduled at the high school or via correspondence, then the student must successfully complete the course by an approved tutor.

Summer School, Tutoring and Correspondence

Students seeking to earn credit from courses other than the regular school program should consult with their school counselor. Credit for failed subjects may be made up in summer school, tutoring (as per board policy), or online. Any course work beyond the regular school program must have the final approval of the principal before credit can be earned. All options other than repeating the course at Licking Heights School will be the parents' responsibility and at their expense.

AIR Test Requirements

The AIR End-of-Course (EOC) assessments are state-mandated exams that all students in the class of 2018 and beyond must take in order to earn a high school diploma. Students earn a score of 1-5 on these assessments and a total of 18 points are required to earn a diploma. A total of 4 points must come from English, a total of 4 points must come from Math, and a total of 6 points must come from Science and Social Studies. AIR assessments are given in the following classes: English 9, English 10, Algebra I, Geometry, Biology, American History, and American Government

Community Service

Twenty hours of community service are required for graduation. The hours can be accumulated through the senior year of high school. Only 10 hours can be as an office aide or classroom volunteer. There are many options and your guidance counselor can assist you in finding a placement. Additionally, www.volunteermatch.org and www.ugive.org are great sites to locate local community service opportunities. Students may begin accumulating hours the summer after their 8th grade year.

Credit Flexibility

The Board recognizes that an effective educational program is one that provides opportunities for students to customize aspects of their learning around their respective needs and interests. Credit flexibility is one method to motivate and increase student learning by allowing access to more resources, customization around individual student needs, and the use of multiple measures of learning.

Credit flexibility shifts the focus from "seat time" to performance. Students can earn units of high school credit based on an individually approved credit flexibility plan. The intent of credit flexibility is to meet increased expectations for high school graduation in response to globalization, technology and demographics, and to meet the demand for 21st century skills.

In accordance with state law, Licking Heights Local School District developed and implemented a credit flexibility plan that enables students to earn high school credit by:

1. Completing coursework
2. Testing out of or showing mastery of course content
3. Pursuing an educational option and/or individually approved option
4. Any combination of the above

See your school counselor for more details on the credit flexibility application process.

Weighted Courses

Honors, Advanced Placement and College Credit Plus classes, in which the material is studied more in depth and at a faster pace than a regular course, have a weighted grading scale. Therefore, when a student receives an "A" in one of these weighted courses, he or she might receive up to a 5.0 on a 4.0 scale. The courses that assign weighted grades are often called weighted courses. A non-weighted course uses a traditional grading scale.

Students' grade point averages (GPAs) and class ranks are affected by taking weighted courses, and oftentimes, students will have an overall GPA above the typical 4.0.

College Credit Plus

High school students wishing to have additional academic challenge may participate in College Credit Plus. Depending on what college students elect to attend, admission requirements vary. Students may elect to earn post-secondary credit only or credit for both high school and a post-secondary institution. An "Intention to Participate" form must be returned to the Guidance Office by March 30th prior to the year of enrollment.

All college schedules must be turned in to the high school office and approved by the principal. Students participating must meet with their guidance counselor 10 days prior to the start of school to create a schedule. During the spring scheduling process, all students create a full schedule at the high school and it will be altered before school starts.

Advanced Placement

Advanced Placement courses expose high school students to college-level courses. Students may elect to take the AP exam, which would potentially grant them college credit for the course. Most four-year colleges in the United States and colleges in more than 60 other countries give students credit, advanced placement or both on the basis of AP Exam scores. On the Licking Heights grading scale, AP courses are weighted at a 5.0.

We offer the following AP courses:

- AP English Language (English 11)
- AP English Literature (English 12)
- AP United States Government and Politics
- AP European History
- AP Calculus AB
- AP Calculus BC
- AP Biology
- AP Physics
- AP Music Theory (Every other year)
- AP Spanish Language
- AP Chinese Language

Grading Scale

Teachers use the following table to convert percentages into letter grades.

Percentage	Grade	Regular	Honors	Advanced Placement/ College Credit Plus
93 - 100	A	4.0	4.3	5.0
90 - 92	A-	3.7	4.0	4.7
89 - 87	B+	3.3	3.7	4.3
86 - 83	B	3.0	3.3	4.0
82 - 80	B-	2.7	3.0	3.7
79 - 77	C+	2.3	2.7	3.4
76 - 73	C	2.0	2.4	3.1
72 - 70	C-	1.7	2.1	2.8
69 - 67	D+	1.3	1.3	1.3
66 - 63	D	1.0	1.0	1.0
62 - 60	D-	0.7	0.7	0.7
0 - 59	F	0.0	0.0	0.0

Notice to students identified as gifted:

The following criteria will allow gifted students in Advanced Placement, CCP, Honors and advanced classes to be counted in EMIS as served if this is used for placement in these classes. Equal access is of primary importance.

"If the student is identified gifted in superior cognitive ability or in a subject area that corresponds with that class, the student may enroll in that class." (Even if student does not meet prerequisites)

Summary of Graduation and College Requirements

It is highly recommended that students plan on taking more than the minimum requirements. The strength of the student's curriculum is often a determining factor for college entrance. Students are encouraged to take the most challenging courses available.

Class of 2018 and Beyond

	9th	10th	11th	12th	
English	X	X	X	X	4 Credits
Math	X	X	X	X	4 Credits
Science	X	X	X or	X	3 Credits
Social Studies	X	X	X or	X	3 Credits
Health	X				½ Credit
Physical Education	X	X			½ Credit
Technology	X				½ Credit
Fine Arts	X or	X or	X or	X	1 Credit
Financial Literacy			X or	X	
Electives	X	X	X	X	4.5 Credits

Students must take Economics and Financial Literacy
 Students must have three (3) credits of science including Physical Science and Biology
 Students must take math courses through Algebra II
 Students must have 3 credits of social studies including World Studies (2021 and Beyond), American Studies, American Government
 21 credits are required for graduation.
 All students must obtain 18 total points on the AIR Assessments.

Ohio Senate Bill 311 allows school districts to adopt a policy exempting students who participate in athletics, marching band or cheerleading for two full seasons from the physical education requirement.

Minimum College Recommendations

English	4 credits
Math (including Algebra I, Geometry and Algebra II)	4 credits
Science (including 2 lab sciences)	3 credits
Social Studies (including World History, American History, Government, and Economics and Financial Literacy)	3 credits
Foreign Language (at least 2 years of the same language)	2 credits
Fine Arts (Art or music department offerings)	1 credit

Honors Diploma Qualifications

The High School Academic Diploma with Honors instituted by the Ohio State Board of Education is intended to bring honor to those students who choose challenging courses and meet the criteria outlined below. Course options for Academic Diploma with Honors are listed in the curriculum guide.

High School Academic Diploma with Honors for Graduating Classes of 2018 and Beyond
Students need to fulfill only 7 of the following 8 criteria

Subject	Criteria
English	4 units
Mathematics	4 units, including Algebra I, Geometry, Algebra II or equivalent and another higher level course or a four-year sequence of courses that contain equivalent content
Science	4 units, including 2 units of advanced science
Social Studies	4 units
Foreign Language	3 units (must include no less than 2 units for which credit is sought) i.e., 3 units of one language or 2 units each of two languages
Fine Arts	1 unit
Career-Technical	Not counted toward requirements and may not be used to meet requirements
Electives	Not counted toward requirements
Grade Point Average	3.5 on a 4.0 scale
ACT/SAT Score [excluding scores from the writing sections]*	27 ACT / 1280 SAT
Additional Assessment	None

Student Learning Pathways

It is important that students and their families carefully consider courses, programs and experiences during the four years of high school. To help students take full advantage of all Licking Heights High School has to offer, we have designed the following Learning Pathways.

Many courses and programs have specific prerequisites and/or admission requirements. It is important that students plan ahead to ensure eligibility and availability of courses. The Learning Pathways are suggested sequences of courses for students with differing backgrounds and differing career expectations. Although a student may begin a certain sequence, he or she may move between pathways as situation dictates.

Course Selections

Business and Technology

Business and Technology courses introduce students to the value of business skills in the domestic and global marketplace. These courses prepare them for further education and/or entry into the workforce after high school.

Business Foundations	Interactive Media
Finance Foundations	Computer Applications III
Marketing Principles	International Business
Sports and Entertainment Marketing	Career Choices
Management Principles	Sales and Retail Marketing
Strategic Entrepreneurship	Computer Programming I
Business Internship/Capstone	Computer Programming II
Accounting	Computer Programming III
Broadcast Journalism	CCP Computer Science

Business Foundations

.5 credit; 1 semester

This is the first course for the Business & Marketing Concentrations. It introduces students to knowledge and skills in fundamental business activities, including business processes, economics, marketing, management, and finance. Students will use technology to synthesize and share information. Employability skills, leadership, communications, and personal financial literacy will be addressed. Students may choose to participate in the co-curricular student organization DECA.

Finance Foundations

.5 credit; 1 semester

Students will obtain fundamental knowledge and skills in accounting, banking services, corporate finance, insurance, and securities and investments. Through team activities and a semester-long corporate investment project, students make connections between accounting and finance. Students acquire an understanding of financial statements, calculate financial ratios, and make corporate financial management decisions based on their analysis of that financial data. Employability skills, leadership, and communications and personal financial literacy will be addressed.

Marketing Principles

1 credit; full year (2015-2016)

.5 credit; 1 semester (2016-on)

This is the first course in the marketing concentration, in which students are introduced to fundamental knowledge and skills in advertising, merchandising, sales, and marketing management. This is a great course for you if you are interested in any area of business or marketing. When you enroll in this course, you will be exposed to a wide variety of marketing topics such as business ownership, promotion, sales, communication, and leadership. Marketing students may also participate in DECA, a marketing student association that gives them leadership, teamwork, and community service opportunities.

Sports and Entertainment Marketing/DECA

1 credit; full year

Students will develop and implement marketing strategies and techniques such as market planning, pricing, branding, and promotion, with an emphasis on the sports and entertainment industries. Students will explore the business side of sports and entertainment establishments, such as athletic teams, recreation services, recorded and live music, movies, and more. The class provides a fun way to learn about careers in these areas while focusing on solid business basics, such as supply and demand, entrepreneurship, and competition. Students also participate in DECA, a marketing student association that gives them leadership, teamwork, and community service opportunities. Students apply what they have learned in the classroom to their DECA projects and competitive events, all of which are motivational and exciting and reflect real work business activities that will have students working side by side with local business professionals.

Sales and Retail Marketing/DECA

1 credit; full year

This is the final core course in the marketing concentration. Students will learn to demonstrate sales techniques in working retail environments, such as the LH School Store, as well as the business to business environment. Student will explore current marketplace trends, consumer behaviors, product distribution, and visual merchandising. Students also participate in DECA, a marketing student association that gives them leadership, teamwork, and community service opportunities. Students apply what they have learned in the classroom to their DECA projects and competitive events, all of which are motivational and exciting and reflect real work business activities that will have students working side by side with local business professionals.

Management Principles: Concentration in Hospitality

.5 credit; semester

Students will apply management and motivation theories to plan, organize and direct staff toward goal achievement. They will learn to manage a workforce, lead change, and build relationships with employees and customers. Students will use technology to analyze the internal and external business environment, determine trends impacting business, and examine risks threatening organizational success. Ethical challenges, project management, and strategic planning will also be addressed.

Prerequisite: Business Foundations or Finance Foundations.

Strategic Entrepreneurship

1 credit; full year

Students will use innovation skills to generate ideas for new products and services, evaluate the feasibility of ideas, and develop a strategy for commercialization. They will use technology to select target markets, profile target customers, define the venture's mission, and create business plans. Students will take initial steps to establish a business. Students will calculate and forecast costs, break-even, and sales. Establishing brand, setting prices, promoting products, and managing customer relationships will be emphasized.

Prerequisite: Business Foundations, Finance Foundations, and Management Principles.

Business Internship/Capstone

1 credit; full year

The capstone course provides opportunities for students to apply knowledge, attitudes, and skills that were learned in the Entrepreneurship Concentration. This capstone will include project/problem-based learning opportunities through internships with local businesses. Under supervision of the school and through community partnerships, students may combine classroom learning with work experience.

Prerequisite: Business Foundations, Finance Foundations, Management Principles, and Strategic Entrepreneurship.

Accounting

1 credit; full year

Students will track, record, summarize, and report a business's financial transactions. They will develop financial documents, project future income and expenses, and evaluate the accuracy of a business's financial information. Students will also apply tools, strategies, and systems to evaluate a company's financial performance and monitor the use of financial resources. Technology, employability skills, leadership and communications will be incorporated in classroom activities.

International Business

1 credit; full year

America's future is rooted in the global economy. This course provides students with a global perspective of economics, political structure and culture, and will open your eyes concerning globalization's impact on day-to-day living and personal finance. Cultural customs and traditions, trade, currency, business travel, geography, current events, international marketing, global issues, and career opportunities will be major topics of discussion.

Career Choices

.5 credit; 1 semester

Students will understand and use the skills, work habits, and attitudes necessary to succeed in any work environment by taking this course. You will acquire job search and retention skills, including resume writing and interviewing for the 21st century. Students are exposed to a wide variety of career options and guest speakers from various occupations. This course also explores state-mandated personal finance standards, such as developing an understanding of consumerism, credit, banking, investing, and risk management.

INTERACTIVE MEDIA

1 credit; full year

This elective course introduces students to the products, tools, and environment of interactive media. The course covers elements of communication, marketing, internet, web development, digital media, and graphic design. The focus is on designing, choosing software, and scripting interactive media projects.

BROADCAST JOURNALISM

1 credit; full year

This elective course will provide an introduction to the various aspects of media production and live presentation involved in Television program production. Students will be responsible for presenting the daily Morning Announcements, which are aired over the LHHS closed circuit television system. Students will have an opportunity to work as the Program Director, Media Editor, On-Air Personality, Video Mixer, Camera Operator, and Audio Mixer.

CCP CSCI 1102 Computer Concepts and Apps

1 Credit; one semester

CSCI 1101 is designed to provide students with a working knowledge of computer concepts and essential skills necessary for work and communication in today's society. Topics include, social networking, computer security, safety, ethics, privacy, operating systems and utility programs, communications and networks, input, output, system units, storage, word processing, spreadsheets, databases and presentation software. Pre-requisites: [ENGL0190](#) or Placement into ENGL 1100

English

Language, literature, and reading are essential to our society. Our goal is to help students develop reading and writing as essential skills and gain an appreciation of literature. The English program also gives students a rich array of electives that develop individual talent and open opportunities to all students.

**English Requirement:
4 credits**

English 9	Speech and Communications
Honors English 9	Young Adult Literature
English 10	Contemporary Literature
Honors English 10	Creative Writing
English 11	Mythology
English 12	Shakespeare/Drama
Advanced Placement Literature and Composition	Poetry
Advanced Placement Language and Composition	Literature and Film
CCP English Composition I	Children's Literature
CCP English Composition II	Multicultural Literature

ENGLISH 9

1 credit; NCAA approved

This class prepares students for college by introducing students to English at the high school level. It emphasizes genres within literature and stresses the basic elements of reading and writing by presenting a more in-depth approach to the integrated language arts standards. Some out of class reading and writing is expected.

HONORS ENGLISH 9

1 credit; weighted course; NCAA approved

This class prepares students for college through an intense in-depth study of the integrated language arts standards. It places a strong emphasis on the elements of reading and writing, while introducing literary analysis and higher-level reading and writing skills. Independent reading and writing is required each quarter.

PREREQUISITE: Completion of summer reading with an essay/assignment/project due the first day of school.

ENGLISH 10

1 credit; NCAA approved

This class prepares students for college by building reading, writing, and vocabulary skills through the study of world literature. Students will also work on critical thinking skills in discussions, projects and presentations about universal themes.

PREREQUISITE: Successful completion of English 9

HONORS ENGLISH 10

1 credit; weighted course; NCAA approved

This intensive class introduces students to advanced literary analysis through a wide study of world literature. Students will examine the works of diverse authors from multiple time periods and continents. Frequent out-of-school research, projects, presentations and papers will be completed throughout the course.

PREREQUISITE: Successful completion of English 9 or Honors English 9; summer reading with an essay/assignment/project due the first day of school.

ENGLISH 11

1 credit; NCAA approved

This course is a survey course of American Literature from the early oral traditions of Native Americans through the literature of the twentieth century. The junior research paper will be taught using a process-oriented, learn-by-doing approach. Students will use the latest technology available to complete their research. Students may need to spend time at a major library such as the Columbus Metropolitan Library or one of its branches to locate books and other materials for their research. Students will be required to have typed copies of all papers written in the course.

PREREQUISITE: Successful completion of Honors English 10 or its equivalent.

ENGLISH 12

1 credit; NCAA approved

This course provides students with a general background in the literary, philosophical, and historical trends from the Middle Ages through the 20th century in Britain. Students will examine representative works from this historical period, tracing developments in style, language and genre. They will also make connections between the literature and the social and political events that contributed to its production. Through a series of close readings, discussions, reader responses, critical essays, and argumentative papers, the student will trace the development of historical, cultural, and literary movements while reading works such as *Beowulf*, *Macbeth*, and *Frankenstein*.

PREREQUISITE: Successful completion of English 11

ADVANCED PLACEMENT LANGUAGE AND COMPOSITION

1 credit; weighted course; NCAA approved

This course will engage students in becoming skilled readers of prose written in a variety of rhetorical contexts and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects, as well as the way genre conventions and the resources of language contribute to effectiveness in writing.

PREREQUISITE: Successful completion of English 10 and completion of a summer reading assignment.

ADVANCED PLACEMENT LITERATURE AND COMPOSITION

1 credit; weighted course; NCAA approved

This Advanced Placement course includes intensive study of representative works from various genres and periods, concentrating on the works of recognized literary merit. Through the close reading of a rigorous selection of texts, students will deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. Writing assignments focus on the critical analysis of literature, including expository, analytical and argumentative essays. Toward that end, writing instruction focuses on developing coherence, unity, precision, structure, and stylistic maturity.

PREREQUISITE: Successful completion of English 11 or AP Language and Composition and completion of summer reading assignment.

CCP ENGLISH COMPOSITION I (ENGL 1100)

1 credit; 1 semester

English 1100 is a beginning composition course that develops processes for critically reading, writing, and responding to a variety of texts in order to compose clear, concise expository essays. The course facilitates an awareness of purpose, audience, content, structure, and style, while also introducing research and documentation methods. Course reading and writing assignments may be thematically organized. Sections of this course are S-designated Service-Learning classes. Sections of this course are H-designated Honors classes.

CCP ENGLISH COMPOSITION II (ENGL 2367)

1 credit; 1 semester

ENGL 2367 is an intermediate composition course that extends and refines skills in expository and argumentative writing, critical reading, and critical thinking. This course also refines skills in researching a topic, documenting sources, and working collaboratively. Course reading and writing assignments are organized around the diversity of those who comprise the identities. Sections of this course are S-designated Service-Learning classes. Sections of this course are H-designated Honors classes.

SPEECH AND COMMUNICATIONS

.5 credit; 1 semester

This elective course will cover many aspects of verbal communications from preparation to delivery. Contemporary, classical and other famous speeches will be examined and criticized. Prepared and extemporaneous speaking will be covered as well as interpersonal communications.

YOUNG ADULT LITERATURE

.5 credit; 1 semester

This elective course focuses on young adult and adolescent popular fiction and non-fiction literature of the last two decades. Students will read and analyze contemporary novels and memoirs. Students will be expected to read outside of class, complete assignments and projects over selected novels, and participate in daily class discussion. Students will also be required to obtain novels assigned by the instructor.

CONTEMPORARY LITERATURE

.5 credit; 1 semester; NCAA approved

This elective course focuses on popular adult fiction and non-fiction of the last two decades. Students will read and analyze contemporary novels and memoirs. Students will be expected to complete extensive reading assignments outside of class, complete assignments and projects over selected texts, and participate in daily class discussion. Students may be required to obtain novels assigned by the instructor. Class material will be more challenging and may be of a controversial nature.

CREATIVE WRITING

.5 credit; 1 semester

This elective course will allow students to build upon skills introduced in core English classes. Students will focus on creating works of fiction and poetry as they develop their own voices and talent. This course is designed for the serious student. Classes will share individual pieces and critique each other in the search for original and unique creations.

MYTHOLOGY

.5 credit; 1 semester; NCAA approved

This elective course focuses on ancient texts and cultural folklore. Students will study myths in the folklore of other cultures across the globe and compare the stories of the ancient Greeks, Romans, and Vikings as they evolved through history. Students will research, read, and complete relevant projects and papers for the chosen literary works. Some extensive and outside-of-class reading will be required. Visual aids such as movies, documentaries and guest speakers may be used to enhance student understanding of the literature being studied.

SHAKESPEARE AND DRAMA

.5 credit; 1 semester; NCAA approved

This elective course will survey selected pieces of Shakespeare not necessarily covered in English 12. The course will also cover the genre of drama and the specifics of Shakespearean drama. Students will complete projects and compositions pertaining to the selected pieces. Some extensive and outside-of-class reading will be required. Visual aids such as movies, documentaries, guest speakers, etc. are used to help the students understand the context of the literature being studied.

POETRY

.5 credit; 1 semester

This elective course will allow students to build upon skills introduced in core English classes. Students will read and analyze poetry of all genres and will write their own poetry and create a poetry portfolio. This course is designed for students who have a special interest in the study and writing of poems.

LITERATURE AND FILM

.5 credit; 1 semester

Have you ever wondered what was lost in translation when Hollywood filmed *The Hunger Games*? Or why your favorite part from *The Perks of Being a Wallflower* was cut out of the movie? Literature to Film will cover all these issues and more! Students enrolled in this course will study popular and classic literature that has been adapted to the big screen and analyze filmmakers' choices as they concern script adaptations, casting choices, and cinematography.

CHILDREN'S LITERATURE

.5 credit; 1 semester

Take a trip back in time to study the classics of your youth! Reintroduce yourself to such gems as: *Where the Wild Things Are*, *Goodnight, Moon*, *Bridge to Terabithia*, and *Charlotte's Web*. Students enrolled in this course will look at the stories of their childhoods through the lens of young adults and parents. Major projects may include the creation of your own children's book, collections of your own favorite childhood stories, and thematic analyses of specific pieces.

MULTICULTURAL LITERATURE

.5 credit; 1 semester

Are you tired of reading works written by dead white guys? Looking for a broader world view in literary repertoire? In Multicultural Literature, we will embrace diversity in literature. Students will study a wide variety of contemporary literature from a global perspective. This course will address issues such as gender, race, sexuality, religion, socio-economic status, and intersectionality of all of these characteristics of humanity. Come to this class with an open mind.

ACTING I

.5 credit; NCAA approved

Provides students with a basic foundation of beginning acting techniques. Students will learn the fundamentals of acting, warm-ups, strategies, and perfect their own technique. Students will present impromptu scenes, soliloquies, monologues, partner scenes, stage combat, and finally a scene with three other students as part of their portfolio.

ACTING II

.5 credit; NCAA approved

Provides students with a more in-depth foundation of advanced acting techniques. Students will gain exposure to classical and contemporary performance. Students will learn advanced warm-ups, advanced acting strategies, build on the fundamentals that they learned in Acting I and perfect their own established technique. Students will present scenes, soliloquies, monologues, partner scenes, and finally a one act play with three other students as part of their portfolio.

Prerequisite: Acting I

World Languages

In order to succeed in the global economy, students will be required to have strong communication skills. Learning other languages will help students communicate across many cultures and gain the knowledge to effectively engage within our own community and in the global marketplace. The World Language program will ensure students can communicate effectively in a language other than English and develop a respect for other cultures.

**Foreign Language Recommendation:
2 credits**

Mandarin Chinese I	Spanish I
Mandarin Chinese II	Spanish II
Mandarin Chinese III	Spanish III
Mandarin Chinese IV	Spanish IV
Chinese Conversation I	Spanish Conversation I
Chinese Culture through Media	Cultures of the Spanish Speaking World
AP Chinese Language and Culture	AP Spanish Language and Culture

SPANISH I

1 credit; NCAA approved

Spanish I is an introductory study of the Spanish language and Hispanic cultures. This course lays the foundation of basic listening, speaking, reading, and writing skills and to introduce students to the culture of the target language, using a variety of methods, authentic materials and available technology. Activities involving games, music and food as well as field trips may also be scheduled.

SPANISH II

1 credit; NCAA approved

Spanish II continues to lay the foundation of basic listening, speaking, reading, and writing skills. Spanish II also introduces students to the culture of the target language using a variety of methods, authentic materials and available technology.

PREREQUISITE: Successful completion of Spanish I

SPANISH III

1 credit; NCAA approved

In this course, students will develop interpersonal communication skills in true-to-life situations. They explore areas of cultural arts, history and literature. Structures are studied to enhance classroom projects and activities. Field trips may also be scheduled.

PREREQUISITE: Successful completion of Spanish I and II

SPANISH IV

1 credit; NCAA approved

In Spanish IV, students will continue to study and examine Hispanic culture and contributions. The activities in this course are designed to sharpen reading, writing, listening and speaking skills. Students will study culture and literature, including works of some major Spanish authors. Writing and presenting original material will also be included. Field trips and other cultural activities may also be scheduled.

PREREQUISITE: Successful completion of Spanish I, II and III

AP SPANISH

1 credit; full year

The AP Spanish Language and Culture course is comparable to a high intermediate or advanced low level college or university Spanish language course. Emphasizing the use of Spanish for active communication in real life tasks, it focuses on developing your abilities in the three modes of communication (Interpretive, Interpersonal, and Presentational) and strengthening your cultural competencies through theme-based instruction based on a variety of authentic resources, such as: newspapers, magazines, podcasts, blogs, advertisements, television programs, films, music, video clips, and literature, Grammar and vocabulary are developed through contextualized study.

MANDARIN CHINESE I

1 credit; NCAA approved

Using an audio-lingual approach, this course teaches pronunciation, vocabulary, and grammar fundamentals as essential elements in reading, writing, and understanding elementary Chinese. The course also covers necessary culture, customs, philosophy, and history that serve as keys to studying the Chinese language.

MANDARIN CHINESE II

1 credit; NCAA approved

This course is a continuation of Chinese I and covers elementary grammar. It includes the reading of simplified texts with emphasis on oral expression and further study of Chinese history and culture.

PREREQUISITE: Successful completion of Mandarin I

MANDARIN CHINESE III

1 credit

This course builds on languages skills developed in Chinese I and II. Students will complete and review basic grammar and key sentence patterns of Chinese, provide practice in the appropriate use of idiomatic expressions, and further develop skills in reading and writing Chinese characters. It will also build vocabulary, expand reading comprehension, and encourage extensive conversation in Chinese. It will cover additional aspects of the Chinese culture and history.

PREREQUISITE: Successful completion of Mandarin I and II

MANDARIN CHINESE IV

1 credit

This course builds on languages skills developed in Chinese I, II and III. Students will complete and review grammar and key sentence patterns of Chinese, provide practice in the appropriate use of idiomatic expressions, and further develop skills in reading and writing Chinese characters. It will also build vocabulary, expand reading comprehension, and encourage extensive conversation in Chinese. It will cover additional aspects of the Chinese culture and history that expand beyond level III.

PREREQUISITE: Successful completion of Mandarin I, II, and III

AP CHINESE LANGUAGE AND CULTURE

1 credit; full year

The course prepares you to demonstrate your level of Chinese proficiency across the three communicative modes (Interpersonal, Interpretive, and Presentational) and the five goal areas (Communication, Cultures, Connections, Comparisons, and Communities) as outlined in the Standards for Foreign Language Learning in the 21st Century. The course aims to provide you with many opportunities to further develop your proficiency across the full range of language skills while learning about Chinese culture and society.

SPANISH CONVERSATION I

.5 credit

Practice your speaking and communication skills in Spanish through daily discussion of current events, famous people, movies, music, media, and other topics of interest. The course will focus on using your Spanish skills to successfully communicate with others in a variety of ways on a wide range of topics.

PREREQUISITE: Successful completion of Spanish I

CHINESE CONVERSATION I

.5 credit

Practice your speaking and communication skills in Chinese through daily discussion of current events, famous people, movies, music, media and other topics of interest. The course will focus on using your Chinese skills to successfully communicate with others in a variety of ways on a wide range of topics.

PREREQUISITE: Successful completion of Mandarin Chinese I

CULTURES OF THE SPANISH SPEAKING WORLD

.5 credit

Students will learn about the history and culture of Spanish speaking countries throughout the world including nations in: South American, Central America, North American, the Caribbean, Africa, and Europe. The class will have an opportunity to try food from different countries, learn about various customs and celebrations, debunk myths and stereotypes, and find out that not all Spanish speakers are the same. Topics to be covered include: ancient civilizations, current events, food, dance, music, art, and geography.

CHINESE CULTURE THROUGH MEDIA

.5 credit

Following a series of Chinese movies/documentaries, this course intends to provide an introduction of Chinese history and culture. The course will focus on using discussions, comparative studies and research projects to successfully enhance your knowledge about Chinese history and develop sensitivity and understanding to different cultural identities.

Visual/Performance Arts

The Fine Arts program provides students with opportunities to experience both visual and performing art courses offered on an elective basis. Students' unique and creative thinking is fostered to develop knowledgeable, self-disciplined, inquiring, and motivated individuals.

Fine Arts Requirement:
1 credit

Visual Arts	Performing Arts
Art I	Beginning Band
Art II	Band
Art III	Percussion Ensemble
Art IV	Music Appreciation
Art Independent Study	Jazz Band
Art Independent Study	Wind Ensemble
Photography I	Choir
Painting	Advanced Choir
Clay I	Musical Arts
Clay II	Musical Production
Introduction to Graphic Design	Musical Dance and Singing
Advanced Graphic Design	Women's Chorus
Drawing I	Men's Chorus
Drawing II	Music Theory I
Three Dimensional Sculpture and Building	Music Theory II
Film Study	Advanced Placement Music Theory
Yearbook I	
Year book II	
Yearbook III	

ART I

.5 credit; 1 semester

This course is designed to introduce the student to a basic understanding of the fundamental elements and principles of design in two and three- dimensional media. Emphasis will be placed on developing a beginning foundation for the student in appreciation for his or her own work and that of others. Art I is the required foundation course before the student may enroll in Art II.

INTRODUCTION TO GRAPHIC DESIGN

.5 credit; 1 semester

This course is an introduction to the art elements and principles of design. Students will learn the basic principles of digital design using computer graphics tools. They will be encouraged to display creative solutions both on paper and in digital media. Past and present references will be used throughout the course to help develop a personal style.

ADVANCED GRAPHIC DESIGN

.5 credit; 1 semester

This course is designed to expand upon the art elements and design principles covered within Introduction to Graphic Design. Students will use a variety of digital tools and software to explore the platform in a digital lab setting. An emphasis will be placed on creating digital art that demonstrates the student's personal style as well as an understanding of working through the creative process. Students will learn to adapt to various responsibilities associated with the environment of a professional workplace.

PREREQUISITE: Introduction to Graphic Design.

DRAWING I

.5 credit; 1 semester

This course is designed for the beginning student who is interested in fulfilling the fine art credit. This course explores the basic techniques of drawing, focusing on composition, proportion, perspective and the basic fundamentals of line, shape, contrast, texture, balance, and unity. Students will explore their own realm of creativity and experiment with a variety of media, creating realistic, abstract and illustration style work. References for past masters and present professionals will be used to help

DRAWING II

.5 credit; 1 semester

This course is designed to expand upon the student's abilities and creativity within the parameters of drawing. Students will explore various techniques, tools and media to increase their awareness of art. Students will be encouraged to pursue and create their own personal style.

PREREQUISITE: Drawing I or Art I

ART II

.5 credit; 1 semester

This course is designed to complete an introduction to the fundamental elements and principles of design in two and three-dimensional media. The course is geared toward the student interested in continuing the development and appreciation of his/her own work, as well as that of others, including contemporary and traditional masters. It is a required foundation course before the student may enroll in Advanced Art classes.

PREREQUISITE: Drawing I or Art I

ART III

.5 credit; 1 semester

Art III is designed to continue the growth and understanding of all that the student has established in Art I and Art II. Emphasis will be on more studio work in two and three-dimensional media, and study of various techniques, skills, materials and artists. This course emphasizes a more independent work environment.

PREREQUISITE: Completion of Art II

ART IV

.5 credit; 1 semester

This course is designed to encourage continued growth, understanding and development of the student's own individual needs, strengths, talents and abilities as they relate to Art. Emphasis will be placed on a more independent approach to the studio environment. Students will learn about, and then create and develop their own individual "Virtual Art Portfolio". Art room experiences will be structured for the 1st grading period and then expand out over the 2nd grading period to cover more individual choices in media, subjects and techniques.

PREREQUISITE: Completion of Art III

ART INDEPENDENT STUDY

.5 credit; 1 semester repeatable

This course will concentrate on specialized art disciplines of the student's choice. A contract will be established by the student with teacher approval, with specific goals and evaluation procedures set forth to be followed for the semester. Students will work on developing and completing their art portfolio requirements. Time may also be allotted for competitions and contact with colleges. Students will provide their own supplies.

PREREQUISITE: Art II

PHOTOGRAPHY I- update to digital photography

.5 credit; 1 semester

This course provides an introduction to the techniques and theories of photography, with an emphasis on the design of photographic images and learning to "see." The course covers pre-visualization, composition, image capture. Through the course, students will learn to appreciate and use photography as part of the communication process of design. An emphasis will be placed on manual manipulation of the 35 mm camera, as well as developing film and photographic prints.

PAINTING

.5 credit; 1 semester

This course is designed to introduce students to various materials and techniques in Painting. Students will explore the expressive and stylistic characteristics and possibilities of the medium. Students will continue to develop and strengthen their knowledge and understanding of the fundamental elements and principles of design as they relate to the painting process.

PREREQUISITE: Art II

CLAY I

.5 credit; 1 semester

This course is designed to introduce students to various materials, procedures and techniques basic to clay. Students will explore the various properties and stages of building, drying, firing, and glazing. Emphasis will be placed on fundamental development of technical skills and individual expression. Fundamental concepts on form, shape and space will be presented.

PREREQUISITE: Art II

CLAY II

.5 credit; 1 semester

This course is designed to extend the instruction from Clay I. Students will continue to develop their understanding and use of various materials, procedures and techniques. Continued exploration and development of the various properties and stages of hand building, drying, firing, and glazing will be expected. Knowledge of and ability to use the fundamental concepts of form shape and pace will also be expected. Emphasis will be placed on continued development and refinement of technical skills and individual expression.

PREREQUISITE: Clay I

THREE DIMENSIONAL SCULPTURE AND BUILDING

.5 credit; 1 semester

Students will be introduced to the world of three-dimensional art. Students will construct, carve and develop original ideas to create a three-dimensional final piece. A variety of materials and tools will be used throughout the semester. Students will explore historical works of art and develop an appreciation for sculpture as art.

PREREQUISITE: Art I or Drawing I

YEARBOOK I

.5 or 1 credit

The first year of this course is considered an apprentice year. Students get on-the-job training designing layouts, helping with photography, writing copy, cropping pictures, selling ads, and becoming involved in all phases of publication. Some knowledge of art or design basics will be helpful.

PREREQUISITE: Permission of the advisor.

YEARBOOK II

.5 or 1 credit

The second year students are responsible for layout design, copywriting, cropping pictures, selling ads, and mastering as many phases of publication as possible. A student who exhibits mastery of the above skills and a strong work ethic may be eligible for editor or management responsibilities.

PREREQUISITE: Permission of the advisor.

YEARBOOK III

.5 or 1 credit

Third year students continue to develop mastery of publication skills. In addition, students in the third level course are expected to perform editorial responsibilities and take on more management responsibilities.

PREREQUISITE: Permission of the advisor

BEGINNING BAND

.5 credit; semester; repeatable

This course is designed to develop a feeling of success in beginning instrumentalists. Students are exposed to a wide variety of music, musical concepts. Elements of music are approached through exercises of increasing difficulty, which will challenge students and assist in mastery of beginning musical concepts. The end result is to prepare students to successfully make the transition to high school band.

BAND

.5 or 1 credit

This course is designed to continue developing a feeling of success in advancing instrumentalists. Students will use many solos, ensembles, and sequentially paced band arrangements to facilitate more frequent performance opportunities. Students are exposed to a wide variety of music, musical concepts and tools. The development of each student's playing skills on his or her specific instrument is stressed. Some after-school performances are required. Activities include various concerts, solo and ensemble contests, and festival performances.

PREREQUISITE: Previous instrumental music based on readiness or Beginning Band.

PERCUSSION ENSEMBLE

.5 or 1 credit

This course emphasizes the skills needed to perform on mallets and auxiliary percussion with progressively challenging pieces and skills. Students will develop a feeling of success in advancing percussionists. Students will use many solos, ensembles, and sequentially paced arrangements to facilitate more frequent performance opportunities. Students will be exposed to a wide variety of music, musical concepts and tools. The development of each student's playing skills on his or her specific instrument is stressed.

PREREQUISITE: Previous instrumental music instruction.

JAZZ ENSEMBLE

.5 or 1 credit

This course includes working on method material and sheet music to improve playing skills and prepare for concerts. Course topics include improvising jazz solos, jazz writing theory, listening to and imitating recordings of jazz artists in order to improve style, and general development of appreciation of jazz music form. This course may be repeated for the 2nd semester of the year.

PREREQUISITE: Based on readiness and instrumentation

CHOIR

.5 or 1 credit

This choral group is composed of mixed voices (male & female). Public appearances include assemblies, concerts, co-concerts with other area high schools, participation in the All-County chorus, and large group and solo and ensemble competitions. Students will perform both sacred and secular music.

ADVANCED CHOIR

.5 or 1 credit

Advanced choice is a select choral group composed of mixed voices (male & female). Public appearances include assemblies, concerts, co-concerts with other area high schools, participation in All-County chorus, large group, solo and ensemble competitions, and participation in the musical. Students will perform both sacred and secular music.

PREREQUISITE: Audition

MUSICAL ARTS

.5 credit; 1 semester

In this introductory course, students become familiar with the technical elements of musicals, such as the principles of lighting, sound, set construction, make-up, and wardrobe. Further, students become familiar with the technical skills involved in each of these areas of musicals. Musical Arts introduces students to the areas of design for each of the elements of the musical. It allows the students to work on more complex technical aspects of design and function and, ultimately, become department and crew chiefs for school or community productions. Some after school performances are required.

MUSICAL PRODUCTION

.5 credit; 1 semester

Musical production introduces students to the areas of design for each of the elements of the musical. It allows the students to work on more complex technical aspects of designs and function and ultimately, become department and crew chiefs for school or community productions. Aspects will include stage management and large show preparation. Students are expected to attend and help with the production of concerts and performances scheduled after school. Some after school performances are required.

MUSICAL DANCE AND SINGING

.5 credit; 1 semester

This course is designed for students who would like to deepen their knowledge, appreciation and skills required for performing in a musical production. Prior solo and ensemble experience is preferred. In this course, students are introduced to the styles of dance that make up American Musical Theater including ballet, jazz and modern dance. Each style is analyzed and evaluated through an appropriate Broadway musical. Students will also explore various vocal styles and techniques appropriate to musical theatre. Different representations of class, ethnicities, and race in American musical theater are explored through song and original choreography.

WIND ENSEMBLE

.5 or 1 credit

This course is designed for the advanced instrumentalist. Prior solo and ensemble experience is preferred and an audition is required. Instrumentation will be limited and adjust to assure the highest level of performance possible in this elite group. Students will be exposed to some of the finest high school band literature and will be expected to attend additional rehearsals and performances outside of school.

PREREQUISITE: Audition

WOMEN'S CHORUS

.5 or 1 credit

Women's Chorus is designed to provide students with an opportunity to perform a variety of women's music and help them appreciate, analyze and evaluate the impact of musical experiences in their lives.

MEN'S CHORUS

.5 or 1 credit

Men's Chorus is designed to provide students with an opportunity to perform a variety of men's music and help them appreciate, analyze and evaluate the impact of musical experiences in their lives.

MUSIC THEORY I

.5 credit

Music Theory integrates the fundamentals of music, basic theory, and harmony. The student will learn to analyze, transcribe, arrange, and perform music. A basic knowledge of music notation is recommended, such as recognizing music staff notes names and basic rhythms.

MUSIC THEORY II

.5 credit

Music Theory II is designed for the advanced musician who seeks a deeper understanding and/or who hopes to study music in college. The emphasis will be on writing and analyzing music.

PREREQUISITE: Music Theory I

ADVANCED PLACEMENT MUSIC THEORY

1 credit; weighted course

This course continues to build upon the skills developed in Music Theory I and II. The course is designed for the advanced musicians who seeks a deeper understanding and/or who hopes to study music in college. The emphasis will be on writing and analyzing music, sight-singing, and aural training. The course will be taught at the collegiate level. Students must have the ability to read musical notation as well as demonstrate performance competency on an instrument or in voice.

MUSIC APPRECIATION

.5 credit; 1 semester

Music Appreciation is a course where students will be expected to develop an appreciation for reading music and the history of music. The course will begin with early classical studies and end with popular music.

Mathematics

In order to graduate, students are required to successfully earn four credits in mathematics that must include Algebra II. The math program encourages reasoning, communication and problem solving. In addition, the curriculum will emphasize the connections between the various mathematical courses so that students can transition from solving problems based on algebraic or geometric relationships to using abstract deductive and inductive reasoning to explore mathematics in preparation for university work and beyond.

**Math Requirement:
4 credits**

Algebra I	Pre-Calculus
Geometry	Advanced Placement Calculus AB
Honors Geometry	Advanced Placement Calculus BC
Honors Algebra II	Trigonometry
Algebra II	Statistics
Algebra III	CCP Math 1148
Calculus	CCP Math 1149

ALGEBRA I

1 credit; NCAA approved

Algebra I is a full year curriculum and prepares students for Geometry. This course helps students solve problems both critically and analytically. Specifically covered concepts begin with a brief review of material from Math 8, leading to a more in-depth look at the advanced world of set theory, irrational numbers, factoring, the solution of equalities and inequalities, quadratic equations, and polynomials and exponents. Emphasis is placed upon strengthening the students' approach to real world problem solving and his or her ability to retain information.

GEOMETRY

1 credit; NCAA approved

This study of Euclidean geometry is designed to organize the apparent laws of the two- and three- dimensional world into a system allowing the study and proof of other not-so-apparent relationships. Emphasis is placed upon the application of logic to problem solving, proofs, and the use of formulas. Scientific calculator is required.

PREREQUISITE: Successful completion of Algebra I

HONORS GEOMETRY

1 credit; weighted course; NCAA approved

This study of Euclidean geometry is designed to organize the apparent laws of the two- and three- dimensional world into a system allowing the study and proof of other not-so-apparent relationships. Emphasis is placed upon the application of logic to problem solving, proofs, use of formulas. This course is at an accelerated pace and contains more challenging problems. Graphing calculator is required.

ALGEBRA II

1 credit; NCAA approved

The second course in algebra penetrates more deeply into set theory and the number properties as described in Algebra I, and also attempts to develop strength in problem solution. Emphasis is placed upon the algebraic and graphic solutions of linear and quadratic equalities, and inequalities in one and two unknowns. Students will further study factoring exponents, algebraic fractions, real roots of real numbers and irrational numbers. This course also introduces the concept of linear and quadratic functions thus laying the groundwork for trigonometry and calculus. Scientific calculator required.

PREREQUISITE: Successful completion of Geometry

HONORS ALGEBRA II

1 credit; weighted course; NCAA approved

Algebra II delves deeply into set theory and the number properties as described in Algebra I. This course also attempts to develop strength in problem solution. Emphasis is placed upon the algebraic and graphic solutions of linear and quadratic equalities, and inequalities in one and two unknowns. Students will further study factoring exponents, algebraic fractions, real roots of real numbers and irrational numbers. This course also introduces the concept of linear and quadratic functions thus laying the groundwork for trigonometry and calculus. This course is at an accelerated pace and contains more challenging problems. Graphing calculator required.

PREREQUISITE: Successful completion of Geometry

ALGEBRA III

1 credit; NCAA approved

This course extends algebraic concepts. This course will include a deeper analysis of polynomials, rational and radical equations and inequalities, exponential and logarithmic functions, matrices and trigonometry using the unit circle.

PREREQUISITE: Successful completion of Algebra II

PRE-CALCULUS

1 credit; NCAA approved

Pre-Calculus is for the college-bound student who has completed Algebra I, Geometry, and Algebra II. The course will expand the student's proficiency in analysis, trigonometry concepts, algebraic concepts, problem-solving, real and complex number systems, and elementary calculus. It is intended to prepare the student for college mathematics above algebra. A scientific calculator required; graphing calculator suggested.

PREREQUISITE: Successful completion of Algebra I, Algebra II and Geometry.

TRIGONOMETRY

.5 credit; 1 semester; NCAA approved

Trigonometry is a semester-long course designed for students who are planning to take either Pre-Calculus and/or Calculus. Students will study trigonometric functions, graphs, relationships, identities, and problem solving strategies. A main emphasis of this class will be problem solving. Students will learn to apply their trigonometric knowledge, communicate strategies, and justify their methods.

PREREQUISITES: Successful completion of Algebra II.

STATISTICS

.5 credit; 1 semester; NCAA approved

This is an introductory course in descriptive and inferential statistics. Concepts are explained intuitively and supported by examples. The applications are general in nature, and the exercises include problems from agriculture, biology, business, economics, medicine, and sociology and computer science.

PREREQUISITE: Completion of Geometry

CALCULUS

1 credit; NCAA approved

Concepts of limits of functions are covered including continuity of functions. The definition of the derivative as well as rules for differentiation develop the ability to find the derivatives of functions, including polynomial, rational, algebraic, trigonometric, inverse trigonometric, exponential, logarithmic, hyperbolic and inverse hyperbolic functions. Derivatives are used in curve sketching as well as in solving applied problems.

ADVANCED PLACEMENT CALCULUS (AB)

1 credit; weighted course; NCAA approved

The course will further the students' problem-solving ability through the study of calculus and its related applications. The topics studied in Advanced Placement Calculus AB are those traditionally offered in the first year of calculus in college, and designed for students who wish to obtain a semester of advanced placement in college. The topics include limits, continuity, derivatives, and integrals of algebraic and transcendental functions and their applications, and elementary differential equations. Graphing calculator required.

ADVANCED PLACEMENT CALCULUS (BC)

1 credit; weighted course; NCAA approved

Calculus BC is an extension of Calculus AB. The courses emphasize a multi-representational approach to calculus, with concepts, results and problems being expressed graphically, numerically, analytically and verbally. The connections among these representations also are important. This course is divided into two semesters and is designed to acquaint students with calculus principles such as derivatives, integrals, limits, approximation, applications and modeling, and sequences and series. During this course students will gain experience in the use of calculus methods and learn how calculus methods may be applied to practical application.

CCP MATH 1148 (COLLEGE ALGEBRA)

1 credit; 1 semester

This course is a continuation of the study of functions. The concept of transformations is used to graph and analyze functions including quadratic, higher degree polynomial, power, piecewise, rational, exponential, and logarithmic functions. The function concept is applied to solving equations, inequalities, and applications regarding these types of functions. Factor and remainder theorems and roots of polynomial functions are included. The concept of functions is extended to include composition of functions and inverse functions. Systems of linear and non-linear equations are solved using algebraic and graphical methods. Trigonometric functions of right angles are defined and used in problem solving. This course meets the general education requirement for the AA degree. Not open to students with credit for MATH 1149 and above.

CCP MATH 1149 (COLLEGE TRIGONOMETRY)

1 credit; 1 semester

This course is a study of the trigonometric functions, vectors, and related applications. Topics include right triangle trigonometry; trigonometry of general angles; the unit circle; the graphs of the trigonometric functions; analytical trigonometry; inverse trigonometric functions; verifying identities; solving trigonometric equations; the Law of Sines; the Law of Cosines; applications of trigonometry; polar coordinates and the graphs of polar equations; geometric and algebraic vectors; vector applications; plane curves and parametric equations, trigonometric form of complex numbers, and DeMoivre's Theorem. The conic sections are defined and analyzed algebraically and graphically. Not open to students with credit for MATH 1150 and above

Science

The Science Department offers a variety of challenging courses in many scientific disciplines to meet the needs and interests of students. The courses are designed to acquaint students with the means of inquiry used by scientists, to acquire knowledge that comprises the essential structure of each of the sciences, and to develop a respect for and an enduring curiosity about the natural world and the mysteries of the universe.

**Science Requirement:
3 credits**

Physical Science	Astronomy
Honors Biology I	Anatomy and Physiology
Biology I	Chemistry
Environmental Science	Honors Chemistry
AP Physics B	Geology
Physics	Human Impact on the Environment

PHYSICAL SCIENCE

1 credit; NCAA approved

This course is designed as a three-part course. The first part examines chemistry- the structure and interaction of matter. The second part deals with physics-motion, Newtonian mechanics, and forms of energy. Part three introduces the student to the processes that occur within the Earth and the origin and evolution of stars and other heavenly bodies. Special emphasis will be given to the integration of scientific concepts and to the study of scientific current events. Reasoning, technical reading, writing and lab skills are emphasized.

BIOLOGY I

1 credit; NCAA approved

This is an introductory biology course. Major emphasis is placed on in-class activities and experiments. Major areas to be covered are microscope use, plant and animal cell structure, life processes, human anatomy and physiology, and ecology.

HONORS BIOLOGY I

1 credit; weighted course; NCAA approved

Honors Biology I is an introductory biology course with major emphasis on in-class activities and experiments. Major areas to be covered are the characteristics and structure of life, heredity, diversity and interdependence of life, evolutionary theory, historical perspective and scientific revolutions.

PREREQUISITES: Physical Science and recommendation from the teacher

HUMAN IMPACT ON THE ENVIRONMENT

.5 credit; NCAA approved

This course will introduce students to the effect of human interaction on the environment. Students will also review ways in which humans can interact with the environment in a responsible way. The course will stress hands-on learning with an emphasis on scientific testing.

PREREQUISITE: Biology I

ENVIRONMENTAL SCIENCE

.5 credit; NCAA approved

This course will introduce students to the natural environment and the environmental problems the world faces. Students will investigate population dynamics, pollution, sustainable energy sources, and natural resources. The course will stress hands-on learning with an emphasis on scientific testing of local water and soil chemistry, 'garbology', and more.

PREREQUISITE: Biology I

ADVANCED PLACEMENT BIOLOGY

1 credit; weighted course; NCAA approved

This course is designed to be the equivalent of a college introductory biology course usually taken by biology majors during their first year. Some AP students, as college freshmen, are permitted to undertake upper-level courses in biology or to register for courses for which biology is a prerequisite. Other students may have fulfilled a basic requirement for a laboratory science course and will be able to undertake other courses to pursue their majors. The two main goals of AP Biology are to help students develop a conceptual framework for modern biology and to help students gain an appreciation of science as a process. Primary emphasis in AP Biology will be on developing an understanding of concepts rather than on memorizing terms and technical details. Essential to this conceptual understanding are the following: a grasp of science as a process rather than as an accumulation of facts; personal experience in scientific inquiry; recognition of unifying themes that integrate the major topics of biology; and application of biological knowledge and critical thinking to environmental and social concerns.

PREREQUISITE: Biology I

ANATOMY & PHYSIOLOGY

1.0 credit; NCAA approved

This course is an introduction to the study of anatomy and physiology of the human body, including standard terminology, chemistry review, cells, tissues, and structure, function and physiology of the integumentary, skeletal, muscular, nervous, special senses and receptors. The fetal pig will be dissected and compared to the human body. This class is recommended for those students interested in the medical field.

PREREQUISITE: A grade average of "C" or better in Biology I.

CHEMISTRY

1 credit; NCAA approved

Chemistry will be a basic introduction and overview of chemistry that includes the study of the classification of matter, atomic theory, chemical formulas, chemical reactions, and solutions. Reasoning and organizational skills will be stressed. Math skills will be required on a basic level.

HONORS CHEMISTRY

1 credit; NCAA

Chemistry will be an introduction and overview of chemistry that includes the study of the classification of matter, atomic theory, chemical formulas, chemical reactions, and solutions. Reasoning and organizational skills will be stressed. Math skills will be required on a moderate level.

PHYSICS

1 credit; NCAA approved

Physics is a study of physical phenomena and the mathematical laws governing them. Topics include motion, forces, vectors, momentum, energy, waves and optics, electricity, and magnetism. Record keeping, mathematical skills and reasoning skills, and conceptual skills are taught. Laboratory experience and lecture material are coordinated topic wise. A scientific calculator is required.

ADVANCED PLACEMENT PHYSICS

1 credit; NCAA approved

This course is designed to develop a qualitative conceptual understanding of general principles and models and on the nature of scientific inquiry. This course provides the main principles of physics; emphasizing problem solving and helping students develop a deep understanding of physics concepts. It is assumed that students are familiar with algebra and trigonometry, although some theoretical developments may use basic concepts of calculus.

GEOLOGY

.5 credit; NCAA approved

This course explores the processes and the minerals that shape the Earth. Topics include the origin of minerals and rocks, development of landforms and structural features, and environmental changes associated with these processes.

ASTRONOMY

.5 credit; NCAA approved

This course offers an introduction to astronomy. Topics include the night sky, seasons, phases, eclipses, gravity, light, telescopes, solar system origins, planets, moons, rings, asteroids, comets, and exoplanets.

Physical Education and Health

Physical Education courses are based on the disciplines of motor learning, biomechanics, exercise physiology, human growth and development, sociology, and historical perspectives. They stress physical education activities that help the student develop socially and emotionally as well as physically. The courses also provide a comprehensive, sequentially planned program to positively influence the knowledge, skills, attitude, and behaviors of individuals related to health. This leads students to make informed decisions leading to a healthy lifestyle now and in the future.

Physical Education Requirement:

½ credit

Individual Sports	Health
Team Sports	Nutrition and Current Health Topics
Walking for Fitness	Careers in Health and Fitness
Athletic Fitness	

Individual Sports

.25 credit; 1 semester

Class emphasis is on gaining a basic knowledge of individual sports, fitness and lifetime activities. Sports and activities include, but are not limited to, badminton, dancing, golf, tennis, track & field, walking, jogging, table tennis, disc golf, handball, and pickleball. Students will progressively learn the skills and game strategies for each sport as well as the historical background and terminology. These sports and activities have been chosen to encourage students to participate in physical activity for life and to promote good health and wellness.

Team Sports

.25 credit; 1 semester

Class emphasis is on gaining a basic knowledge of team sports. Team sports include, but are not limited to, team handball, volleyball, softball, ultimate Frisbee, soccer, basketball, football, softball, and floor hockey. Skills and lead up games specific to each sport will be progressively taught culminating into game play. Students will also explore the history and terminology of each sport, game strategies, fitness activities and development of teamwork and sportsmanship.

Walking for Fitness

.25 credit; 1 semester

This semester course is designed for students that are interested in increasing individual fitness through low-impact activity of walking. Students will learn how to use pedometers and keep a log of their walking activity along with learning the benefits of this lifelong activity

Athletic Fitness

.25 credit; 1 semester

This course will emphasize physical conditioning, knowledge of muscle groups, and appropriate stretching techniques. Content will consist of a physical fitness test, cardio respiratory exercising, muscular strength, muscular endurance, flexibility, and conditioning drills. This class will follow a weight-training program specifically designed to develop overall strength, explosiveness and speed. This course will also help develop and increase muscle definition, endurance, and cardio respiratory training. Students will receive knowledge in proper lifting technique, stretching, and the correlation of lifts to the muscle groups to enhance athletic performance.

Prerequisite: Completion of PE requirement or if your meet the requirements for opting out of PE.

HEALTH

.5 credit; 1 semester

Health is designed to answer the need of young people for accurate information about the functioning of their bodies and about the help provided by modern science and medicine. The focus is placed on physical, social, and emotional well-being. Development of decision-making skills will be a part of this course. One section of this course must be completed to meet the graduation requirements.

Nutrition and Current Health Topics

.5 credit; 1 semester

During the first nine weeks, this course will focus on exploring the world of nutrition. This course will include the study of carbohydrates, fats, proteins, vitamins, minerals, and the role of diet on the development of chronic diseases. Students will gain knowledge of digestion, absorption, metabolism, nutrition guidelines, and nutrition programs. During the second nine weeks, this course will focus on helping students develop a better understanding of contemporary health issues.

Prerequisite: Health

Careers in Health and Fitness

.5credit; 1 semester

This class will focus on the student interested in pursuing a health or fitness related career after high school. It will involve a variety of guest speakers and career interviewing along with hands on labs focused on giving students a head start into the medical field. Qualities of a healthcare worker along with liability, safety, medical terminology, anatomy/physiology, injury prevention, CPR/First Aid and health maintenance will be explored.

Prerequisite: Health and Nutrition and Current Health Topics

Social Studies

Social studies courses draw upon the wealth of information and insight to be found in anthropology, history, psychology, economics, geography, political science, and sociology. The courses are designed to provide all students with an understanding and appreciation of modern world history, United States history, government, and economics. Students will also be taught the basic concepts and skills used in the social science disciplines.

Social Studies Requirement:

3 credits

World Studies	Sociology
Honors World Studies	Psychology
American Studies	CPP Psychology
Honors American Studies	AP European History
American Government	Contemporary World Issues
AP American Government	World Geography
Economics and Financial Literacy	Military History
Historical Reading and Research	African American History
Pop Culture	

WORLD STUDIES

1 credit; NCAA approved

This course will provide a comprehensive study of modern world history from 1700 to present. Among the topics students will investigate are the Rise of Democracy, the Industrial Revolution, and Imperialism. In addition to learning the history of this era, students learn basic geography, communication skills and critical thinking skills that will be used throughout their high school education. Students will be expected to complete outside reading and homework assignments, and do at least one research paper or project each quarter. Students must participate actively in class discussions and debates.

HONORS WORLD STUDIES

1 credit; NCAA approved

This course will provide a comprehensive study of modern world history from 1700 to present. Among the topics students will investigate are the Rise of Democracy, the Industrial Revolution, and Imperialism. In addition to learning the history of this era, students learn basic geography, communication skills and critical thinking skills that will be used throughout their high school education. Students will be expected to complete outside reading and homework assignments, and do at least one research paper or project each quarter. Students must participate actively in class discussions and debates.

PREREQUISITES: summer reading assignment is required with an essay/test due on the first day of school.

AMERICAN STUDIES

1 credit; NCAA approved

This course will focus on the history of the United States from 1870 to the present day, with emphasis on the domestic affairs of the nation. Students will consider the cultural, economic and governmental changes that occurred in each historic era. Students will develop a deeper understanding of their role as citizens and will expand their command of social studies and methods. Students also will be expected to complete outside reading and homework assignments, and do at least one research paper or project each quarter. Students must participate actively in class discussions and debates.

HONORS AMERICAN STUDIES

1 credit; weighted course; NCAA approved

This course will focus on the history of the United States from 1870 to the present day, with emphasis on the domestic affairs of the nation. Students will consider the cultural, economic and governmental changes that occurred in each historic era. Students will develop a deeper understanding of their role as citizens and will expand their command of social studies and methods. Students also will be expected to complete outside reading and homework assignments, and do at least one research paper or project each quarter. Students must participate actively in class discussions and debates.

PREREQUISITES: summer reading assignment is required with an essay/test due on the first day of school.

AMERICAN GOVERNMENT

1 credit; NCAA approved

Students will study the United States Constitution and the fundamentals of the American Federal System of Government. Throughout the course, important historical documents, institutions, political parties, taxes, and elections will be studied at all levels of government.

ADVANCED PLACEMENT UNITED STATES GOVERNMENT

1 credit; weighted course; NCAA approved

This course includes the study of general concepts used to interpret U.S. government and politics, and the analysis of specific examples. It also requires familiarity with various institutions, groups, beliefs, and ideas that constitute U.S. government and politics. Students will focus on the theories of government, America's philosophical and historical heritage, the U.S. Constitution, government in all phases, politics, and the policymakers.

PREREQUISITE: Successful completion of American Studies and completion of a summer reading assignment.

ADVANCED PLACEMENT EUROPEAN HISTORY

1 credit; weighted course; NCAA approved

This course is the study of European history since 1450 and introduces students to the cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. In addition to providing a basic narrative of events and movements, the goal of

AP European History is to develop an understanding of some of the principal themes in modern European history, an ability to analyze historical evidence and historical interpretation, and an ability to express historical understanding in writing.

PREREQUISITE: Successful completion of Government and completion of a summer reading assignment.

MILITARY HISTORY

.5 credit; 1 semester; NCAA approved

This semester class will examine and analyze selected conflicts of modern history. The course will emphasize the causes, strategies, and important military campaigns of selected conflicts. Additional topics such as weaponry, social issues, the military draft, and outcomes of conflicts will also be explored.

CONTEMPORARY WORLD ISSUES

.5 credit; 1 semester; NCAA approved

The dynamics of global interactions among nations and regions present issues that affect all humanity. These dynamics include competing beliefs and goals, methods of engagement, and conflict and cooperation. Contemporary issues have political, economic, social, historic, and geographic components relating to such issues as conflicts in the Middle East, Africa, etc. Conflicts will be current and may focus on some of the following themes: religion, human trafficking, environmental, economic, war, terrorism, human rights, borders/boundaries, and migration.

ECONOMICS AND FINANCIAL LITERACY

.5 credit; 1 semester; NCAA approved

This course explores the fundamentals that guide individuals and nations as they make choices about how to use limited resources to satisfy their wants. More specifically, it examines the ability of individuals to use knowledge and skills to manage limited financial resources effectively for a lifetime of financial security.

WORLD GEOGRAPHY

.5 credit; 1 semester; NCAA approved

This course allows students to learn about world cultures through the lens of geography. Students will study history, people, culture, and social contributions of world cultures. In addition, students will understand where physical and cultural features are located and examine the implications of geography on world society.

HISTORICAL READING AND RESEARCH

.5 credit; 1 semester; NCAA approved

This course is designed to provide students with strategies and best practices for reading historical documents and conducting historical research. It is aimed to scaffold students who will need these skills for future higher level classes. The course will focus on skills that will be necessary for success in advanced placement courses.

AFRICAN AMERICAN HISTORY

.5 credit; 1 semester; NCAA approved

The African American Studies course is designed to provide students with a comprehensive overview of the African American experience beginning with Africa through modern times. The course will address the introduction of Africans to the Americas, enslavement, emancipation, and the social and political challenges and triumphs that followed. In addition, the course will highlight the social, cultural and political contributions of African Americans to American society.

POP CULTURE

.5 credit; 1 semester; NCAA approved

This course will critically analyze America and focus on the culture of the country. The course will determine how society reacted to events in history and how fads, music, radio, television, movies, and technology impacted daily life. The course will determine what pop culture is, why do people care about it, and how it truly is a reflection of the values of the society in discussion.

PSYCHOLOGY

.5 credit; 1 semester; NCAA approved

This course focuses on the biological (body), cognitive (mind), and learning (experiences) perspectives of psychology. In addition to those perspectives, the following areas of psychology will be studied: child development, adolescence, mental illness, therapy and Freudian, Behaviorist, Analytical, Existential, Neo-Freudian and Humanistic theories.

SOCIOLOGY

.5 credit; 1 semester; NCAA approved

This course offers a study of human relationships in society. It focuses upon the use of a sociological point of view to examine the culture, social structure, the individual in society, social institutions, and social inequality. The changing social world and its' implications are presented and analyzed. Apply sociological theories to problems of modern society. Students will also look at change, and the major characteristics of minority groups, how they impact prejudice and the positive and negative consequences of modernization for society.

AMERICAN WOMEN'S STUDIES

.5 credit; 1 semester

This course will examine women's lives in American history, placing them at the center of the interpretation. It will consider the social, political, cultural, and economic histories of women in the United States, paying attention to how women have played active roles in shaping American history and society. Students can expect to use materials from multiple voices, art, literature and history to explore identity, systems of power, resistance and resilience, continuity and change.

CCP PSYCHOLOGY

1 credit; 1 semester

This introductory course provides an overview of the origins, growth, content and applications of psychology, including the application of the scientific method to the following topics: research methodology; beginning statistics; theories of physical, cognitive, moral and emotional development; sensation; perception; learning; motivation; intelligence; memory; personality; coping processes; abnormality; adjustment; and the individual in small groups and a pluralistic society. Sections of this course are H-designated Honors classes.