



Curriculum Guide

2017-2018

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CARMEL CATHOLIC GRADUATION REQUIREMENTS

Twenty-seven units of credit are required as follows:

4	English
3	Mathematics (including Algebra and Geometry)
4	Religious Studies
3	Science (including Physics, Chemistry, Biology)
3	Social Studies (including World History, U.S. History, U.S. Government and Civics)
1	Physical Education (including both fall P.E. and spring P.E.)
2	World Languages or Fine Arts
0.5	Health
0.5	Fine Arts or Media
0.5	Business / Technology
5.5	Electives

Christian Service and retreat requirements as stated in the handbook.

Class of 2018

Credits necessary for graduation: 27

Required courses: English, Religious Studies, U.S. Government and Civics

Senior students must take a minimum of six classes. Seniors have the option of choosing a seventh class or early dismissal during period G.

Class of 2019

Credits necessary for graduation: 27

Required courses: English, Religious Studies, U.S. History, Mathematics, Biology

Junior students must take a minimum of seven classes.

Class of 2020

Credits necessary for graduation: 27

Required courses: English, Religious Studies, World History, Geometry, Chemistry

Sophomore students must take a minimum of seven classes.

Class of 2021

Credits necessary for graduation: 27

Required courses: English, Religious Studies, Algebra, Physics, Health

Freshman students must take a minimum of seven classes.

COURSE LEVELS AND PLACEMENT

Course Selection

Courses listed in this booklet are initial offerings for 2017-18. Classes that actually run during the 2017-18 school year are determined by a variety of factors, including enrollment, state and college requirements, curriculum revisions, and staffing. Every effort will be made to schedule students into their requested courses. Carmel reserves the right to make changes in curriculum and scheduling. If a scheduling conflict occurs, upon notification and advisement by school personnel, the student may be required to select an alternative course. Students and parents must be aware of prerequisites, fees, and expectations associated with each course. Counselors are available for course selection questions.

Course Levels

- College Prep courses are for students needing to progress at a foundational level or whose achievement on standardized tests/coursework indicates a need for additional support.
- Upper College Prep courses are for students whose standardized tests/coursework indicates a standard level of achievement.
- Honors College Prep courses are for students showing a higher level of achievement through both standardized tests and coursework.
- Advanced Placement courses are for the highest achieving students based upon standardized tests and coursework; these courses are college level.
- Dual Credit courses are for the highest achieving students based on standardized tests and coursework; these are actual college courses for which the student earns both Carmel and college credit.

Placement

Placement of students into the appropriate level is critical to supporting their progress, learning, and success.

Freshman levels are initially determined by student achievement on the High School Placement Test. Incoming freshmen can take additional proficiency assessments in English, mathematics or world languages to provide more specific evidence for placement.

Placement for sophomore, junior, and senior courses is determined by course prerequisites; these benchmarks are indicative of the foundational content and skills needed for success.

Students aspiring to move into higher levels in the future should work toward meeting the prerequisites for upperclassman courses. Upon acquisition of foundational knowledge and skills, upward level mobility is possible in English, mathematics, fine arts, science, and social science. Students, parents, teachers, and department chairs review levels and prerequisite foundations in the fall and winter. Initial placement for the following year is based upon these student performance reviews.

THE CARLOS J. SERNA LEARNING CENTER

The Carlos J. Serna Learning Resource Center was established in 2009 to support the students of Carmel Catholic High School with disabilities that affect educational performance. An active formalized plan includes an Individual Services Plan (ISP) or Section 504 Accommodation Plan. Supportive services may include classroom and/or testing accommodations within the general education setting. Additionally, students who need a more supportive environment may take the Learning Resource Seminar class. Within this class, individualized goals are identified and progress is monitored regularly while being provided specialized instruction within a resource setting and given accommodations within the general education setting. Goals target the student's specific skills deficits of academic functioning in the areas of reading, math and writing and/or functional performance.

BUSINESS/ TECHNOLOGY**INTRODUCTION TO BUSINESS**

LEVEL: 9-10
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER

Prerequisite: NONE

This introductory level business course is specifically for freshmen and sophomore students and aims at exploring fundamental business concepts. Topics discussed include accounting, economics, marketing, finance, management, entrepreneurship, and the impact of globalization. Students will encounter a scenario-based class that has an emphasis on solving real-world problems that are encountered in the fast paced world of business.

WEB DESIGN

LEVEL: 9-10-11-12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER
LAB FEE: \$45

Prerequisite: NONE

This course will introduce the student to the design concepts and the various languages and tools used for web page construction and design. In this project based course, students will use design techniques, artwork, photos, roll-over images, animations, background images, sounds and video to create dynamic and interactive web sites. Students will learn HTML (the universal language of the Web) and advanced CSS formatting techniques using Adobe Dreamweaver and Adobe Flash. The students will also render pictures for use on their pages using Adobe Photoshop. Students will be exposed to the use of digital cameras, scanners, animation software and sound files to enhance their sites.

MICROSOFT APPLICATIONS

LEVEL: 9-10-11-12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER
LAB FEE: \$45
Prerequisite: NONE

Students acquire extensive skills and knowledge in the Microsoft Office Suite with the use of Word, Excel, and Power Point. Students will also be exposed to the basic concepts of Publisher. The basics of Windows Operating Systems are discussed with emphasis placed on file management and vocabulary. Students develop Internet searching skills with an emphasis on Internet safety, ethics, and cyber bullying. Students will investigate current media technologies.

INTRODUCTION TO ACCOUNTING

LEVEL: 10-11-12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER
LAB FEE: \$45

Prerequisite: NONE

Accounting is the language of business. This class will prepare students who are thinking of pursuing business in college. This course will provide students with a foundation in accounting by addressing accounting theory and the basic functions of accounting in business. Emphasis is on debit/credit theory, the accounting cycle, and financial statement analysis. Students will be using Accounting software paired with their textbook in this class.

MARKETING

LEVEL: 10-11-12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER

Prerequisite: NONE

This course provides an excellent insight into the world of marketing. Areas of study will focus on topics such as promotion, pricing, purchasing, visual merchandising, market research and product planning. The course will also gear the research into international marketing, web marketing and the ethics surrounding this field of study. The aim of the course is to get a taste of the exciting world of marketing and investigate how goods and services are developed and promoted in the marketplace. Students will work on project based tasks with many being real life situations allowing students to bring out their creative flair in this dynamic,

challenging and essential area of the business world.

BUSINESS LAW

LEVEL: 11-12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER

This course will be offered every other year. This course will NOT be available 2017-18 but will be offered 2018-19.

Prerequisite: NONE

This course is a behavior science that integrates two comprehensive and important fields of study, Business and Law. Junior and Senior students are introduced to the nature of law and the evolutionary path that today's law has taken. The use of contracts in business is analyzed, as well as how contracts are used to protect American businesses and citizens. There is a strong emphasis on business ethics and cyberlaw using a case study format.

CORPORATE FINANCE

LEVEL: 11-12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER

This course will be offered every other year. This course will be available 2017-18 but will NOT be offered 2018-19.

Prerequisite: NONE

This higher level finance course is geared toward juniors and seniors as the course will discuss and analyze money management relationships in personal, business and economic environments. Students will gain the knowledge to make wise economic decisions that will benefit both their personal and professional life. Major area of study include, personal budgeting, banking, the use of credit, renting and buying homes, consumer awareness, business ownership, financing businesses and financial accounting.

PERSONAL FINANCE

LEVEL: 11-12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER

Prerequisite: NONE

The goal of this course is to teach students how to become prudent managers of their financial resources. Throughout the semester, students will learn the foundations of personal financial planning that will enable them to achieve financial goals and security. Through the use of simulations and case studies, students will learn sound money management skills, including the importance of personal savings and investments. The use of credit and debt will also be analyzed in great detail. In a broader context, students will understand the personal and societal consequences of financial decisions.

TECHNOLOGY STUDENT INTERNSHIP

LEVEL: 10-11-12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER

Prerequisite: NONE

In TSI, students will serve as the primary provider of technical support for the school. This hands-on course will provide students with the skills necessary to troubleshoot and repair Chromebook, classroom, and other technical problems, and utilize professional data tracking software. Through TSI, students will gain an understanding of how a help desk functions and how it is used in the school. It may become possible that students can earn certifications such as: CompTIA A+,MOS (Microsoft Office Specialist),and Google Apps Certifications.

MOBILE APP CREATION

LEVEL: 9-10-11-12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER LAB
FEE: \$100

Prerequisite: NONE

In Mobile App Creation students will learn the language and process for designing and creating their own mobile application. It is a blend of creative problem-solving and computer science. No programming experience required.

BUSINESS MANAGEMENT AND ENTREPRENEURSHIP

LEVEL: 11-12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER

This course will be offered every other year. The course will NOT be offered in 2017-18 but will be available 2018-19.

Prerequisite: NONE

This course provides an excellent background for junior and senior students planning to pursue a Business major in college. It is the study of the structures and practices of business organizations operating under our free enterprise economy. Topics include international business, entrepreneurship, total quality management, organizational teamwork, human resources, leadership styles, labor-management negotiations and multicultural diversity. Students will examine the environment of small business ownership, the procedures and skills necessary to manage and open a small business, and the policies and practices of a successful business operation. Students will use computer applications and the Internet to explore business trends in management.

INTERNATIONAL BUSINESS

LEVEL: 11-12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER

Prerequisite: NONE

This course for junior and senior students encompasses the interconnectedness of the world's global economies and their relationship to the U.S. This course dissects the U.S. Government's policies in context with its international trading partners and provides insight into how this delicate balance is maintained and managed.

This course includes strong links to history, geography, politics and policies, cultures, natural resources, labor forces, management, marketing, finance, business math, business law, entrepreneurship and management courses and combines them into one cohesive course. International business is one of the most pertinent topics affecting the global economy we live in and is one of the most prevalent topics currently taught in college and university business schools.

AP MICROECONOMICS

LEVEL: 11-12
ADVANCED PLACEMENT
CREDIT: .5 ONE SEMESTER
FEE: \$100
Fee includes AP Exam

Prerequisite: Completion of at least 1 business class is preferred. Strong math background is essential. Final approval of department based upon student's application/ performance review.

This one year, higher-level economics course focuses on microeconomics. The course covers the nature of markets, competition, government policies including monetary and federal policies. The financial sector and international trade policies are also analyzed in detail.

There is a strong emphasis on math and manipulating economic financial data in this course. Basic algebraic expressions and pre-Calculus concepts will be used in the presentation and analysis of economic information. Students will be required to take the AP Microeconomics exam.

AP MACROECONOMICS

LEVEL: 11-12
ADVANCED PLACEMENT
CREDIT: .5 ONE SEMESTER
FEE: \$100
Fee includes AP Exam

Prerequisite: Completion of at least 1 business class is preferred. Strong math background is essential. Final approval of department based upon student's application/ performance review.

This higher level economics course focuses on macroeconomics. The course covers the nature of markets, competition, government policies including monetary and federal policies. The financial sector and international trade policies are also analyzed in detail.

There is a strong emphasis on math and manipulating economic financial data in this course. Basic algebraic expressions and pre-Calculus concepts will be used in the presentation and analysis of economic information.

Students will be required to take the AP Macroeconomics exam.

ADVANCED ACCOUNTING – DUAL CREDIT

LEVEL: 11-12
DUAL CREDIT OPTION
CREDIT: 1 ONE YEAR

Prerequisite: NONE

This is an advanced, college-level course elected by students. Students who take this course can earn college credit while at the same time fulfilling Carmel Catholic graduation requirements. The major emphasis is on the development and reporting of accounting information for use by investors, creditors, and others. The student is required to develop skills in the preparation and use of accounting information and must demonstrate an understanding of the accounting process, and be able to evaluate the impact of estimates, alternative accounting principles, and the limitations of the accounting model on accounting information. Topics include: preparation and use of financial statements; the accounting process; and the measurement and reporting of income, assets, liabilities, and owners' equity.

BUSINESS INCubator H

LEVEL: 11
HONORS COLLEGE PREP
CREDIT: 1 ONE YEAR
FEE: \$100

Prerequisite: NONE

Students will learn about becoming true entrepreneurs. This innovative course will challenge students to develop products or services that meet the needs or wants of a customer segment. They will research their markets, design the products/services to appeal to their customers. From this they will develop a prototype and marketing strategies. Students will plan for Pitch Night where students will pitch their innovative idea to potential investors to possibly win funding to turn their business plan into reality.

Real-world entrepreneurs and business experts will serve as coaches and mentors guiding student teams through the curriculum and experience.

BUSINESS ACCELERATOR H

LEVEL: 12
HONORS COLLEGE PREP
CREDIT: 1 ONE YEAR

Prerequisite: Business INCubator Honors and Department Chair approval.

The Business Accelerator course is a course that students can only enroll in if they receive funding to implement the business they created in the Business Incubator Course. Focus in this course is on scaling the business that was pitched to investors at the end of the Business Incubator Course. Students will run their business for the full school year. Areas of importance include, incorporating the business, project/time management, opening a business bank account and managing funds, conducting quarterly investor presentations, developing a marketing plan, developing a sales playbook, working with financials of the business and an accounting management system, acquiring customers, doing presentations to potential customers, website development, production management, prototype development, and fully running the business that was created in the Business Incubator Program.

ENGINEERING

INTRODUCTION TO ENGINEERING

LEVEL: 9-10-11-12
DUAL CREDIT OPTION
CREDIT: 1 ONE YEAR
FEE: \$100

Prerequisite: NONE

Through design challenges and a distinct problem-solving model, students will learn how to model, improve and develop products, both in and out of the classroom. Students will learn to sketch solutions by hand and to illustrate solutions using sophisticated three-dimensional modeling software. Emphasis in class is placed on documenting the design process when analyzing and considering solutions. Students will also learn how best to communicate and present ideas to others.

Students will gain skills in how to solve problems in ambiguous situations and become leaders in terms of identifying and solving problems.

PRINCIPLES OF ENGINEERING

LEVEL: 10-11-12
DUAL CREDIT OPTION
CREDIT: 1 ONE YEAR
FEE: \$200

Prerequisite: Completion of Introduction to Engineering with a B or better.

Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration and presentation.

Students will continue to learn general engineering skills. Students will develop problem-solving skills and will become leaders in terms of identifying and solving problems.

ENGLISH

FRESHMAN

ENGLISH 9

LEVEL: 9
HONORS COLLEGE PREP
CREDIT: 1 ONE YEAR
FEE: \$18

This course, offered to highly motivated and capable students, is designed to enrich reading, writing, grammar, vocabulary, listening, and discussion skills.

Students review the basic elements of grammar in order to improve their sentences and engage in the writing process as they compose expository, narrative, and creative paragraphs and essays. Students practice basic research skills, learning how to use, evaluate, and cite information. Students practice close reading and analyze a variety of texts, including novels, dramas, short stories, poetry, and nonfiction.

ENGLISH 9

LEVEL: 9
UPPER COLLEGE PREP
CREDIT: 1 ONE YEAR
FEE: \$18

This course focuses on building a solid foundation of skills in reading, writing, grammar, vocabulary, listening, and discussion.

Students review the basic elements of grammar and regularly learn and use new vocabulary. Students build their academic writing skills, focusing on supporting a clear point with specific evidence in paragraphs and essays, and using the writing process to improve their communication. Students practice basic research skills, learning how to use and cite information. Much time is devoted to the practice of building active reading skills. Class discussion of novels, dramas, poetry, short stories and nonfiction helps to build students' critical thinking and verbal communication skills.

ENGLISH 9

LEVEL: 9
COLLEGE PREP
CREDIT: 1 ONE YEAR
FEE: \$18

This course focuses on building a solid foundation of skills in reading, writing, grammar, vocabulary, listening, and discussion.

Students review the basic elements of grammar and regularly learn and use new vocabulary. Students build their academic writing skills, focusing on supporting a clear point with specific evidence in paragraphs and essays, and using the writing process to improve their communication. Students practice basic research skills, learning how to use and cite information. Much time is devoted to the practice of building active reading skills. Class discussion of novels, dramas, poetry, short stories, and nonfiction helps to build students' critical thinking and verbal communication skills.

SOPHOMORE**ENGLISH 10**

LEVEL: 10
HONORS COLLEGE PREP
CREDIT: 1 ONE YEAR

Prerequisite: Approval of English Department based upon student's performance review.

This course, offered to highly motivated and capable students, is designed to enrich reading, writing, grammar, vocabulary, discussion, and speaking skills.

Grammar studies are crafted to help students write stronger sentences. Students work on evaluating and synthesizing multiple sources of information and using such sources to strengthen their presentations and essays, citing sources in MLA formatting. Students use close reading, discussion, and analytical writing to examine a variety of multicultural texts, including novels, dramas, short stories, poetry, and nonfiction. Writing assignments and discussion encourage students to consider the role of literature in conveying both the commonalities and diversities of human experience.

ENGLISH 10

LEVEL: 10
UPPER COLLEGE PREP
CREDIT: 1 ONE YEAR

Prerequisite: Approval of English Department based upon student's performance review.

This course reinforces skills in reading, writing, grammar, vocabulary, discussion, and presentation.

Students review sentence patterns and punctuation to help them compose stronger sentences. Students practice fundamental research skills, including finding and evaluating sources before selecting, paraphrasing, quoting, and citing source material using MLA formatting standards. Students read a range of multicultural texts that offer diverse perspectives, including novels, dramas, short stories, poetry, and nonfiction. Class discussions and writing assignments are tools used to aid students in becoming critical readers and thinkers, and short oral presentations allow students to practice public speaking skills. Writing assignments and discussion encourage students to consider the role of literature in conveying both the commonalities and diversities of human experience.

ENGLISH 10

LEVEL: 10
COLLEGE PREP
CREDIT: 1 ONE YEAR

Prerequisite: Approval of English Department based upon student's performance review.

This course reinforces skills in reading, writing, grammar, vocabulary, discussion, and presentation.

Students review sentence patterns and punctuation to help them compose stronger sentences. Students practice fundamental research skills, including finding and evaluating sources before selecting, paraphrasing, quoting, and citing source material using MLA formatting standards. Students read a range of multicultural texts that offer diverse perspectives, including novels, dramas, short stories, poetry, and nonfiction. Class discussions and writing assignments are tools used to aid students in becoming critical readers and thinkers, and short oral presentations allow students to practice public speaking skills. Writing assignments and discussion encourage students to consider the role of literature in conveying both the commonalities and diversities of human experience.

JUNIOR**ENGLISH II**

LEVEL: II
 HONORS COLLEGE PREP
 CREDIT: I ONE YEAR

Prerequisite: Approval of English Department based upon student's performance review.

This course is available for highly motivated students who have demonstrated strong analytical, reading, and writing skills.

Students expand their vocabularies and target weaknesses in their use of English language conventions. Reading and grammar lessons support students' preparation for national standardized tests. Students build their close reading skills with a study of a range of American novels, short stories, dramas, poetry, and nonfiction and examine the relationships among historical events, cultural shifts, and literature. Students practice public speaking and write in a range of modes with a focus on argumentation and literary analysis. Students engage in an independent and extended research project following MLA formatting standards.

ENGLISH II

LEVEL: II
 UPPER COLLEGE PREP
 CREDIT: I ONE YEAR

Prerequisite: Approval of English Department based upon student's performance review.

This course continues to build students' facility with reading, writing, and verbal communication.

Students expand their vocabularies and target weaknesses in their use of English language conventions. Reading and grammar lessons support students' preparation for national standardized tests. Students build their close reading skills with a study of a range of American novels, short stories, dramas, poetry, and nonfiction and examine the relationships among historical events, cultural shifts, and literature. Students practice public speaking and write in a range of modes with a focus on argumentation and literary analysis. Students engage in an extended research project following MLA formatting standards.

ENGLISH II

LEVEL: II
 ADVANCED PLACEMENT
 CREDIT: I ONE YEAR
 FEE: \$100

Fee includes the AP Exam.

Prerequisite: Approval of English Department based upon student's performance review.

The AP English Language and Composition course aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts.

Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate syntactical and grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in nonfiction texts and graphic images from many disciplines and historical periods, with a focus on American literature. Students write formal essays and frequent timed essays.

Students will be required to take the English Language & Composition AP Exam.

SENIOR

ENGLISH 12

LEVEL: 12
HONORS COLLEGE PREP
CREDIT: 1 ONE YEAR

Prerequisite: Approval of English Department based upon student's performance review.

This course is available to motivated students with strong reading skills and a facility for writing in various modes, especially expository and argumentative. These students read a wide range of multicultural literature and exhibit an understanding of literary devices and interpretation. Students read both fiction and nonfiction and study theories of literary criticism. Research projects, both individual and group, comprise a significant portion of class time, and students are expected to pursue their own areas of inquiry and share their findings via various digital options.

ENGLISH 12

LEVEL: 12
UPPER COLLEGE PREP
CREDIT: 1 ONE YEAR

Prerequisite: Approval of English Department based upon student's performance review.

This course prepares students for college-level writing and reading. Students read multicultural literature and nonfiction featuring a wide range of experiences and ideas. Through studying the literature and reading about related current events, students deepen their understanding and appreciation of the writer's craft and its role in cultural and individual expression. With an emphasis on argumentation and personal response, students explore their ideas in formal and informal papers, in Socratic discussions, and in individual presentations. Students are challenged to think critically about their own ideas and the ideas of the authors studied, and to use the writing process to set goals and evaluate their own progress.

AP ENGLISH LITERATURE AND COMPOSITION

LEVEL: 12
ADVANCED PLACEMENT
CREDIT: 1 ONE YEAR
FEE: \$100
Fee includes the AP Exam.

Prerequisite: Approval of English Department based upon student's performance review.

This course, which prepares students to take the English Literature and Composition AP Exam, is available for highly motivated and capable students ready for college-level literary analysis. Students read a range of narrative literature--novels, short stories, and drama--and study poetry in depth. Through independent and group study in and out of class, they sharpen their awareness of language and how authors of imaginative literature use it to create meaning, expressing and examining the range of human experience; preparation for and participation in class discussion and activities is imperative. Students use the writing process to improve their ideas and their use of supporting evidence and language as they work on various expository and argumentative assignments, though the primary focus is on literary analysis. Students frequently write under timed conditions.

Students will be required to take the English Literature and Composition AP Exam.

ELECTIVES**CREATIVE WRITING**

LEVEL: 10-11-12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER

Prerequisite: NONE

This course is designed for writers who want to practice the craft of writing in its many forms. Students will spend time in and out of class writing journals, short stories, drama, poetry, and assorted nonfiction. Students will engage in guided writing exercises to encourage new uses of language and structure. Much of the work will look at writing as a process, and students will share work with both peers and instructor during revision.

SPEECH

LEVEL: 10-11-12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER

Prerequisite: NONE

This course will guide students in the study of human communications with an emphasis on public speaking. Students will work as a community to study and practice the characteristics of successful speakers, often engaging in peer evaluation and constructive criticism. Students will participate in written and verbal exercises to improve their communication skills. Students will also work to communicate their ideas through informative, persuasive, and entertaining speeches, while focusing on the use of clear diction, appropriate projection, and meaningful body language.

FILM AS NARRATIVE

LEVEL: 11-12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER

Prerequisite: NONE

This course explores the history of cinema with a focus on film as an art form. Narrative structure is emphasized, with ample time given to studying the craft of filmmaking. Skills such as screenwriting, editing, directing, lighting, and cinematography are examined in reading, discussion, and extensive written analysis. Students will learn how classic and contemporary films are constructed with the aid of a comprehensive text, online resources, film clips, and full-feature presentations.

RESEARCH AND TECHNOLOGY FOR HIGH SCHOOL, COLLEGE, AND BEYOND

LEVEL: 12
CREDIT: .5 ONE YEAR
FEE: \$100

Prerequisite: NONE

This class is held online and after school.

The purpose of the class is to develop basic understandings of the research process, the types and uses of information, and the use of Web 2.0 technologies to collaborate with others. Students will learn the process necessary to be successful researchers, including strategies for reading and analyzing information and data from a variety of different sources, organizing their work with notes and outlines, creating research questions and theses, and synthesizing information.

Students will also learn about strategies that will improve their abilities to work in groups and collaborate. Strategies will be enhanced through the use of wikis, clouds, chats, social networks, podcasts, screencasts, and vodcasts.

Students will learn about a variety of sources of information and how to use them effectively. Students will hone their skills throughout the semester and will demonstrate their mastery of skills by completing a final creative project that will allow students to research more in depth a discipline of their choice.

Online resources, such as vodcasts and podcasts are explored. Interacting with the teacher and other classmates on their own time is required. Extensive support will be available to students, but students should have some knowledge of general internet tools such as email, social networks, blogs, and YouTube.

This is an online class. Office hours will be held by the instructor during period H for students needing help with class material. Otherwise, the "class" will be conducted solely on the internet.

All students are scored pass/fail.

FINE ARTS

VISUAL ARTS

INTRODUCTION TO ART I

LEVEL: 9-10-11-12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER
FEE: \$75
Art supplies are included in fee.

Prerequisite: NONE

This course provides a strong foundation in art, assuming students have little or no background. Students are introduced to the elements and principles of design while exploring a variety of techniques and mediums. Drawing, composition, and design are studied.

ART I

LEVEL: 9-10-11-12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER
FEE: \$75
Art supplies are included in fee.

Prerequisite: Introduction to Art I

This course is a continuation of Introduction to Art with further study in drawing, painting, color pencil, pen and ink and other 2D mediums. Art I is a more project oriented course. The course includes an in depth study of composition, color theory, graphic design and perspective. A wide variety of techniques will be introduced to help students master basic art skills, understand art concepts and incorporate them in their projects.

DRAWING AND PAINTING I

LEVEL: 10-11-12
HONORS COLLEGE PREP
CREDIT: .5 ONE SEMESTER
FEE: \$75
Art supplies are included in fee.

This course will be offered every other year. This course will NOT be available 2017-18 but will be offered 2018-19.

Prerequisite: Introduction to Art I OR Art I

This course is designed to increase students' skills and refine their techniques in drawing and painting. Students will learn to create strong compositions. Students will have the opportunity to explore various mediums such as graphite, charcoal, soft pastels, and acrylic as a means of visual expression. Students will expand their knowledge of color theory, value, and composition while experiencing a variety of techniques. Students will be directly involved in developing creative problem –solving skills and individual expression.

DRAWING AND PAINTING II

LEVEL: 10-11-12
HONORS COLLEGE PREP
CREDIT: .5 ONE SEMESTER
FEE: \$75
Art supplies are included in fee.

This course will be offered every other year. This course will NOT be available 2017-18 but will be offered 2018-19.

Prerequisite: Drawing and Painting I

In this course students will continue to develop skills in drawing and painting. Students will learn additional approaches to drawing. Students will experience in-depth visual concepts, color application and technique through oil pastels, acrylic and oil painting. Observation and interpretation of subject matter is emphasized through individual expression. Students are encouraged to develop creative solutions to promote individual personal style.

MIXED MEDIA I

LEVEL: 10-11-12
HONORS COLLEGE PREP
CREDIT: .5 ONE SEMESTER
FEE: \$75
Art supplies are included in fee.

This course will be offered every other year. This course will be available 2017-18 but will NOT be offered 2018-19.

Prerequisite: Introduction to Art I OR Art I

This course emphasizes the creation of art using two or more media in a single composition. This technique provides students an individual, artistic, multi-layered approach in the creation of a composition. The development of creative ideas and integration of imagination with problem solving skills will be emphasized. Students will use the principles of design while expanding their creativity.

MIXED MEDIA II

LEVEL: 10-11-12
HONORS COLLEGE PREP
CREDIT: .5 ONE SEMESTER
FEE: \$75
Art supplies are included in fee.

This course will be offered every other year. This course will be available 2017-18 but will NOT be offered 2018-19.

Prerequisite: Mixed Media I

This course offers advanced students the opportunity to continue their study in mixed media. Students will investigate dynamic compositions based on observation, memory and imagination. Students will continue to develop and refine their work while developing a strong voice by evaluating their strengths.

CERAMICS/SCULPTURE I

LEVEL: 10-11-12
 HONORS COLLEGE PREP
 CREDIT: .5 ONE SEMESTER
 FEE: \$75
 Art supplies are included in fee.

Prerequisite: NONE

In ceramics, students will develop an understanding of clay construction. Students will focus on hand building and surface decoration including glaze and texture. Students will also work on the potter's wheel and develop basic skills for throwing a pot. In sculpture, students will learn basic sculpture techniques. They will work with modeling and carving using materials including clay, wire, and tape. Students will also participate in the Raku workshop.

CERAMICS/SCULPTURE II

LEVEL: 10-11-12
 HONORS COLLEGE PREP
 CREDIT: .5 ONE SEMESTER
 FEE: \$75
 Art supplies are included in fee.

Prerequisite: Ceramics/ Sculpture I

This course is for students who want to further develop their skills and techniques in ceramic and sculpture. Students will continue to develop their hand-building and throwing skills. Sculpture techniques presented include carving, molding and mixed media assemblage. A creative and personal approach is encouraged. Students will also participate in the Raku workshop.

OPEN STUDIO

LEVEL: 10-11
 HONORS COLLEGE PREP
 CREDIT: 1 ONE YEAR
 FEE: \$75
 Art supplies are included in fee.

Prerequisite: One year of Art AND Approval of Art teacher based upon student's performance review.

This class is designed for students who want to take their art skills to the next level. Students will fine tune their drawing, painting skills and unlock their artistic talent. They will explore new mediums and begin developing an area of concentration for their AP Portfolio. Part of the focus will be on creative problem solving by furthering the exploration of breadth in the AP Portfolio. This is not an independent study class.

AP STUDIO ART

LEVEL: 12
 ADVANCED PLACEMENT
 CREDIT: 1 ONE YEAR
 FEE: \$250
 Fee includes the AP Exam and art supplies.

Prerequisite: Two years of Art (at least one at Carmel); AND Approval of Art teacher based upon student's performance review.

Advanced Placement Studio Art is a yearlong college level art and portfolio development class for highly motivated and talented seniors. Advanced Placement work involves significantly more time and commitment than most high school courses. Student work is a combination of assigned pieces as well as independently created pieces completed within a class structure with participation in ongoing individual and group critiques. Students must be prepared to commit a significant amount of time to complete the portfolio required for the Advanced Placement Board evaluation. Work submitted for portfolio evaluation includes a body of work which demonstrates a range of abilities (breadth) and a sequential exploration of an idea which has personal meaning to the student (concentration). Students begin working on projects during the summer. Students will select some projects independently while others will be assigned by the teacher. Students will use our digital cameras to photograph their work for their drawing portfolio.

Students will be required to take the Studio Art AP exam, which requires portfolio submission.

CHORAL MUSIC**MEN'S ENSEMBLE**

LEVEL: 9-10-11-12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER

Prerequisite: NONE

Note: Students may take this course for one semester only. Once this course is completed, the student may audition for Advanced Choir. See instructor for further information.

Any male student with a desire to sing or learn how to sing may enroll in this class. This class will focus upon reading music and developing singing skills. The basic concepts of sight-reading, interval drill, breathing, style, and performance are taught throughout the year. Music studied in this course will run from unison to 3 or 4 part. The focus of this class will be learning and improving singing skills rather than performing in front of a large audience. This choir class will not be required to perform at school concerts.

WOMEN'S ENSEMBLE

LEVEL: 9-10-11-12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER

Prerequisite: NONE

Note: Students may take this course for one semester only. Once this course is completed, the student may move into Treble Choir or audition for Advanced Choir. See instructor for further information.

Any female student with a desire to sing or learn how to sing may enroll in this class. This class will focus upon reading music and developing singing skills. The basic concepts of sight-reading, interval drill, breathing, style, and performance are taught throughout the year. Music studied in this course will run from unison to 3 part. The focus of this class will be learning and improving singing skills rather than performing in front of a large audience. This choir class will not be required to perform at school concerts.

TREBLE CHOIR**FALL
SPRING**

This is intended to be a full year course. In order to sign up for only 1 semester, see the instructor for approval.

LEVEL: 9-10-11-12
HONORS COLLEGE PREP
CREDIT: .5 ONE SEMESTER
UNIFORM FEE: \$40

Prerequisite: Completion of one semester of high school chorus or by audition.

This course is open to all treble voice students (female) who have at least one year of high school choral experience or the equivalent. The course will be a continuation of the concepts of sight-reading, interval drill, breathing, style, and performance that are taught in Women's Ensemble.

A complete repertoire of choral music, ranging from classical to contemporary, is studied.

Participation in the two final choral rehearsals before the Christmas and Spring Concerts (outside of school time) and in all choral performances (Fall Cabaret Concert, Christmas Concert, and Spring Concert) is required to earn credit in this course.

ADVANCED CHOIR**FALL
SPRING**

This is intended to be a full year course. In order to sign up for only 1 semester, see the instructor for approval.

LEVEL: 10-11-12
HONORS COLLEGE PREP
CREDIT: .5 ONE SEMESTER
UNIFORM FEE: \$40

Prerequisite: Completion of one semester of high school chorus and by audition.

This course is a continuation of the concepts covered in the Treble Choir class. Participation in two final choral rehearsals before the Christmas and Spring Concerts (outside of school time) and in all choral performances: Fall Cabaret Concert, Christmas Concert, and Spring Concert) is required to earn credit in this course. Music performed in this course will be acapella or accompanied. Types of choral music performed will range from pop to the classics, including a 4-part S.A.T.B singing or 6 to 8-part depending upon the level of the group.

CARMEL CADENCE

LEVEL: 9-10-11-12
HONORS COLLEGE PREP
CREDIT: .5 ONE YEAR
CLASS FEE: \$100
UNIFORM FEE: \$40

This class is held before school: Mon., Wed., Fri. mornings.

Prerequisite: Members are selected by audition in May. Instrumental students interested in playing piano, guitar (both rhythm and bass), trumpet, trombone, saxophone, or drums should see instructor.

This group (equal number of men and women, approximately 32 total) performs at the fall Cabaret, the Spring Concert, plus late winter tours to area junior high schools. The basic performance techniques learned are applied in the choreographed music (Broadway to Pop). The group participates in completion in late winter/ early spring. Attendance at three morning rehearsals (and two Saturday rehearsals per month) and all performances are required to earn credit.

PARKWAY SINGERS

LEVEL: 9-10-11-12
HONORS COLLEGE PREP
CREDIT: .5 ONE YEAR
CLASS FEE: \$100
UNIFORM FEE: \$40

This class is held before school: Tues., Thurs. mornings.

Prerequisite: This group is selected by audition in mid-August.

In this course, students will develop vocal techniques and sing three and four or more part acappella and contemporary choral arrangements. During the Christmas season, this group may perform Christmas music off campus.

The group participates in the Fall Cabaret Concert, Christmas Concert, and Spring Concerts.

INSTRUMENTAL MUSIC**CONCERT BAND
FALL/MARCHING BAND
SPRING**

LEVEL: 9-10-11-12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER
UNIFORM FEE: \$40

Prerequisite: This is a non-audition group. Students must provide their own instruments.

This band is made up of grades 9-12 with various levels of experience. The main focus of the band is the development of musicianship skills through popular music. Students will also develop good technique in intonation, finger dexterity, sight-reading and musical interpretation.

This band will perform at various school-related events. Members attend Marching Band Camp, which begins in the first week of August, and runs for approximately 7 or 8 consecutive weekdays.

Percussion members must attend summer Drumline Camp which is offered in the summer school program. The camp runs for the two weeks before the 4th of July.

**WIND ENSEMBLE
FALL/MARCHING BAND
SPRING**

LEVEL: 9-10-11-12
HONORS COLLEGE PREP
CREDIT: .5 ONE SEMESTER
UNIFORM FEE: \$80/Fall, \$40/Spring

Prerequisite: Membership is by audition during registration. Students must provide their own instruments.

Students will continue to develop musician skills; display proficiency in scales; sight-reading, and intonation; and have at least four years of experience in a previous band or the equivalent in private lessons.

This band is an upper-level ensemble whose members display a high level of understanding on a given instrument and is the main instrumental performance

group at Carmel Catholic High School. This band will perform at various school-related events. Members must attend Marching Band Camp, which begins the first week of August and runs for approximately 7 or 8 consecutive weekdays.

JAZZ BAND

LEVEL: 9-10-11-12
HONORS COLLEGE PREP
CREDIT: .5 ONE YEAR
CLASS FEE: \$100
UNIFORM FEE: \$40

This class is held before school: Mon. Wed. Fri. mornings.

Prerequisite: Membership is by audition only, on the afternoon of your student orientation in August. Students must provide their own instruments.

Students must demonstrate good musicianship skills; be proficient in scales, sight-reading, intonation, and improvisation; and must have at least three years of prior band experience or the equivalent in private lessons. This band is designed to develop the student's understanding of jazz styles and technique. The ensemble performs at various school-related events and some jazz festivals throughout the region.

Some of the Jazz Band members will compose the Jazz Combo.

STRING ENSEMBLE

LEVEL: 9-10-11-12
HONORS COLLEGE PREP
CREDIT: .5 ONE YEAR
CLASS FEE: \$100
UNIFORM FEE: \$40

This class is held before school.

Prerequisite: This group is a non-audition group. Students must provide their own instruments.

This group is designed to further develop technique and musical interpretation in string genre. This group performs two concerts a year and at some liturgies.

PERCUSSION ENSEMBLE

LEVEL: 9-10-11-12
HONORS COLLEGE PREP
CREDIT: .5 ONE YEAR
CLASS FEE: \$100

This class is held after school: Tues., Thurs. afternoons.

Prerequisite: By audition. Students must provide their own instruments.

This ensemble develops the student's understanding of the percussion world whether it is traditional or non-traditional (Blue Man or Stomp).

GUITAR I

LEVEL: 9-10-11-12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER

Prerequisite: Each student must own or rent a guitar. It can be either an acoustic guitar or a classical guitar with nylon strings. Even though classical is a part of the instrument's core repertoire, it is used to play all kinds of music (classical, flamenco, popular, jazz, etc.). If purchasing a guitar, an inexpensive option is the Yamaha C40.

This course is open to all students interested in learning to play guitar. The course provides opportunities for students to develop their musical potential and aesthetic understanding through playing a guitar. Emphasis will be placed on playing position, tone production, fundamental technique, simultaneous playing and singing, and composing songs/lyrics. Both individual playing and group/ensemble playing will be explored. Knowledge and skills will include experiences in singing, creating, playing and listening.

GUITAR II

LEVEL: 9-10-11-12
HONORS COLLEGE PREP
CREDIT: .5 ONE SEMESTER

Prerequisite: Approval of Guitar teacher based upon student's performance review. Each student must own or rent a guitar. Successful completion of Guitar I.

This course is a one-semester beginning guitar class level II. This course will reinforce and expand on the skills and techniques taught in Carmel's Guitar I class. The class is open to advanced beginners and premature intermediate players. The course will build student skills as well as develop the student's desire for life-long learning. Knowledge and skills will include experience in singing, creating, playing and listening.

MUSIC SPECIALTIES**HISTORY OF ROCK AND ROLL**

LEVEL: 9-10-11-12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER

Prerequisite: NONE

This course is a survey course giving the student a view into the world of Rock and Roll including the roots, the genre, different styles of Rock, important creative centers of rock like Motown to the two waves of the British invasion. The goal is to peak students' interest into the appreciation of the influence and energy rock placed on American Pop culture and the world.

Students will have time to explore their own experience of the rock and roll world and make connections to their own heritage in the past. The students will be able to identify influential events in the American experience through the rock styles.

MUSIC TECH – GARAGE BAND

LEVEL: 9-10-11-12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER

Prerequisite: NONE

This course is perfect for students with a passion for music outside of traditional music performance programs; the course will cover the basics of music technology without heavy technical reading, using plain-English explanations. The class will use correlating interactive media to stream or download, plus a corresponding website.

We will explore technology which will include music recording, production as well as some elements of very basic music composition using the Garage Band software found on the Mac.

Time permitting, we will explore pop songwriting, music technology, movie making, as well as soundtrack scoring.

MUSIC AND WORLD CULTURES

LEVEL: 9-10-11-12
HONORS COLLEGE PREP
CREDIT: .5 ONE SEMESTER

This course will be offered every other year. This course will be available 2017-18 but will NOT be offered 2018-19.

Prerequisite: NONE

Music and World Cultures is a class which discusses music on a global level. This course is designed around two week mini classes throughout the whole semester. The class explores the different cultures and how music is used to express their beliefs. This course explores musical styles and genres. This class also views music through the lens of all the core subjects: Math, Science, Psychology, Sociology, Literature, Composition, Language, History, Political Science, and Religion. This course will also provide experiences in music with acoustics, four properties of sound, time and rhythmic development, scale structures, key signatures, and musical notation.

MUSIC THEORY

LEVEL: 9-10-11-12
HONORS COLLEGE PREP
CREDIT: .5 ONE SEMESTER FALL

Prerequisite: NONE

Music Theory course is an honors course designed for students who want to learn how to create music or need a music theory class to help understand how music works in order to enhance their ability to be a better fine arts performer. Music Theory starts at the tonality structure and moves through four-part writing with figured bass. This course will also explore melodic development, harmonizing melodies, and musical analysis during the 18th century. This course promotes the mastery of skills necessary to succeed in music outside of high school. Performing Arts students are required to demonstrate these skills in the collegiate levels.

AP MUSIC THEORY - SPRING

LEVEL: 10-11-12
ADVANCED PLACEMENT
CREDIT: .5 ONE SEMESTER SPRING
FEE: \$100
Fee includes AP Exam.

This course will be offered every other year. This course will NOT be offered 2017-18 but will be offered 2018-19.

Prerequisite: Successful completion of Music and World Cultures and Music Theory - Fall and approval of AP Music Theory teacher.

AP Music Theory starts at the tonality structure and moves through four-part writing with figured bass. This course will also explore melodic development, harmonizing melodies, and musical analysis during the 18th century. AP Music Theory discusses chromatics from altered tones and chords to modulations. The AP class also covers the Advanced Placement curriculum in preparation for the AP music test in May. This course promotes the mastery of skills necessary to succeed in music outside of high school.

Students will be required to take the AP Music Theory Exam.

LITURGICAL MUSIC

LEVEL: 9-10-11-12
HONORS COLLEGE PREP
CREDIT: .5 ONE SEMESTER

Prerequisite: Students must demonstrate in an audition the basic ability to sing or play an instrument.

This is a practical course for those interested in learning, practicing, and sharing liturgical music at our school masses. Both singers and instrumentalists will learn about the traditions of Catholic music, listen to guest speakers and practicing church musicians, and prepare music for our all-school liturgies. Students will be exposed to the principles of liturgical and ritual music and its integral role in the Mass.

THEATRE

DRAMA I

LEVEL: 9-10-11-12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER
FEE: \$25

Prerequisite: NONE

Beginning acting is an arts participation course designed to teach the basic skills, concepts and methods of modern acting techniques. We will use various theatre games, improvisation exercises and warm ups. The class provides students the opportunity to actively participate and strengthen those skills of concentration, focus, and creativity. Students will develop self confidence and leadership skills, which are critical to performance and other life experiences. Study includes elements of acting and analyzing characters through monologues, scenes, pantomime and improvisational exercises, as well as movement and voice techniques.

ADVANCED DRAMA FALL

LEVEL: 10-11-12
HONORS COLLEGE PREP
CREDIT: .5 ONE SEMESTER
FEE: \$25

Prerequisite: Completion of Drama I

This semester class will work on developing a higher skill level in acting techniques and performance. Students will learn how to use and apply the psychological and physiological aspects of dramatic acting needed for auditions, stage and film. Class will include intense scene work of various genres including Shakespeare scenes and monologues. Critique and constant assessment of performance will be emphasized as well.

ADVANCED DRAMA SPRING

LEVEL: 10-11-12 HONORS
COLLEGE PREP
CREDIT: .5 ONE SEMESTER
FEE: \$25

Prerequisite: Completion of Drama I

This semester emphasizes the creative writing and directing side of theatre production. Students will apply advanced techniques of acting, character development, script analysis and blocking in order to write original scenes, audition, cast direct and film the scenes for performance critique.

STAGECRAFT I

LEVEL: 9-10-11-12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER
FEE: \$75
Fee includes supplies and workshop use

Prerequisite: NONE

This class is designed for the student who wants to learn "behind the scenes" work for theatre production. The semester will include teaching basic skills of set design, painting, set construction, and use of hand and power tools. It will include some lecture on safety, skills, use and care of all tools, lighting and sound equipment. It covers maintenance and safety of rigging, battens and curtains.

Class will design and construct a small set piece or project for final.

"A theater technician must be curious about how things are built and how things work."

ADVANCED STAGECRAFT FALL SPRING

LEVEL: 10-11-12
HONORS COLLEGE PREP
CREDIT: .5 ONE SEMESTER
FEE: \$75

Fee includes supplies and workshop use

Prerequisite: Stagecraft I and pass a practical powertools assessment with teacher.

This class is for students who are creative problem solvers and interested in learning more about all artistic and technical elements of theatre production. This class is a hands-on class, which includes review of theatre space, rigging and tools.

This class will pursue dimensional drawing, design plans as well as printed plans for build projects. There will be an advanced application for use of various lumber products, hardware, and power tool usage with concerns in safety. Class will include some work with lighting, and sound for productions. Daily active participation includes: in class discussions, construction and design work, group building and painting all projects from start to finish.

Final build project is required.

"A theater technician must be curious about how things are built and how things work."

DANCE**BEGINNING DANCE**

LEVEL: 9-10-11-12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER

Prerequisite: NONE

Students will need to purchase for \$50 in the bookstore the Dance Uniform and Drawstring Dance Backpack.

This course is for students with little to no formal dance training. Beginning dance students will learn dance vocabulary, dance techniques, dance history, and choreography. In this introductory dance course, a variety of dance styles will be explored and at least one performance opportunity will be offered.

**INTERMEDIATE DANCE
LEVEL I, II**

LEVEL: 9-10-11-12
HONORS COLLEGE PREP
CREDIT: .5 ONE SEMESTER
FEE: \$50

LEVEL I

Prerequisite: Completion of Beginning Dance Or by Audition.

Students will need to purchase for \$50 in the bookstore the Dance Uniform and Drawstring Dance Backpack in addition to the costume pieces for the Academic Dance Showcase.

This course is meant for students with some knowledge in ballet and jazz terminology. Intermediate Dance I students will begin to refine their dance technique, historical understanding, and performance abilities. Students will explore the importance of body awareness, dance improvisation, and dance composition. Participation in the Hip Hop Pep Rally Performance and the end-of-semester Academic Dance Showcase will be two highlights of this course. Students in this course are also encouraged to audition for the Orchestis Dance Company.

LEVEL II

Completion of Intermediate Dance I OR by audition.

Students will need to purchase for \$50 in the bookstore the Dance Uniform and Drawstring Dance Backpack in addition to the costume pieces for the Academic Dance Showcase.

This course is meant for students with extensive knowledge in ballet and jazz terminology, body awareness, and performance skills. Intermediate Dance 2 students will continue to refine their dance technique, historical understanding, and performance abilities. Students will utilize dance improvisation and learn the fundamentals of creating a choreographic work. Participation in the Hip Hop Pep Rally Performance and the end-of-semester Academic Dance Showcase will be two highlights of this course. Students in this course are also encouraged to audition for the Orchestis Dance Company.

**ADVANCED DANCE
ENSEMBLE**

LEVEL: 10-11-12
HONORS COLLEGE PREP
CREDIT: .5 SPRING SEMESTER ONLY
FEE: \$50

Prerequisite: Advanced Dance OR by Audition.

Students will need to purchase for \$50 in the bookstore the Dance Uniform and Drawstring Dance Backpack in addition to the costume pieces for the Academic Dance Showcase.

This performance repertory course is for students with a more extensive, technical dance background. Further development of dance techniques, body awareness, historical understanding, dance anatomy/kinesiology, and choreographic expression will be key components of this class. Advanced Dance students will focus on elements of performance, composition, and improvisation throughout the curriculum.

Advanced Dance Students are highly encouraged to join Carmel's Orchestis

Dance Company, (for the academic school year), upon successful registration for this course.

Participation in the Hip Hop Pep Rally Performance, Stations of the Cross, the Illinois High School Dance Festival, the Academic Dance Showcase, and the Orchestis Dance Concerts will all be highlights of this course.

DANCE LEADERSHIP

LEVEL: 12
HONORS COLLEGE PREP
CREDIT: .5 ONE SEMESTER

Prerequisite: Application only.

A student who has the desire to become a Dance Leader their senior year must apply and, upon teacher acceptance, he/she will be placed into an assigned Dance Period through the Registrar's Office. A Dance Leader must also register for Dance for the entire school year (one semester Leadership; one semester Intermediate/Advanced Dance).

Dance Leaders will need to purchase for \$50 in the bookstore the Dance Uniform and Drawstring Dance Backpack if they do not already own them.

A Dance Leader acts as a Teacher Assistant in a Beginning/Intermediate Dance Class. Dance Leaders will receive opportunities to assist with taking attendance, demonstrating movement, leading exercises, answering student questions, and tutoring students during and outside of class. A highlighted experience as a Dance Leader will be assisting in the choreographic process for their classmates' Hip Hop Pep Rally Performance. The main objective for all Dance Leaders is to exercise and increase their leadership abilities in correspondence with the Carmel Catholic mission statement.

One Dance Leader will be selected per Beginning and Intermediate Dance Course offered each semester. To be selected as a Dance Leader for either Beginning Dance or Intermediate Dance, all prerequisites must be met prior to registering online.

MATHEMATICS**FRESHMAN****ADVANCED ALGEBRA I & II H
for Freshmen**

LEVEL: 9
HONORS COLLEGE PREP
CREDIT: 1 ONE YEAR
FEE: \$25

Prerequisite: Approval of Mathematics Department based upon exceptional achievement on the proficiency assessment.

This course contains a brief review of Algebra I and progresses to the advanced topics needed for college mathematics. Logical thinking is reinforced through problem solving. Students are introduced to conics through the Cartesian coordinate system. The topics investigated are real and complex numbers, systems of equations and inequalities, determinants, matrices, polynomial functions, and exponential and logarithmic functions. Some basic properties of trigonometry are covered.

*A TI-84 graphing calculator is required for this course.

ALGEBRA I H

LEVEL: 9
HONORS COLLEGE PREP
CREDIT: 1 ONE YEAR
FEE: \$25

This course is designed to develop the algebraic skills required of honors students. The student is exposed to higher-order problem solving with an emphasis placed on methods and techniques. Various types of word problems are considered. The student acquires a strong understanding of algebraic principles and concepts. The course content includes linear equations and inequalities, quadratic equations and inequalities, systems of linear equations and inequalities, polynomial expressions, data analysis, probability, and axiomatic proofs. The structure of algebra is presented as a logical system of deductive and inductive problem solving.

*A TI-84 graphing calculator is required for this course.

ALGEBRA I

LEVEL: 9
UPPER COLLEGE PREP
CREDIT: 1 ONE YEAR
FEE: \$25

This course treats the essential topics associated with a first-year algebra course. The student is exposed to the fundamentals of problem solving with an emphasis placed on methods and techniques. Various types of word problems are considered. The student acquires a general understanding of algebraic principles and concepts. The course content includes a broader understanding of exponents, properties of real numbers, linear equations and inequalities, polynomial expressions, systems of linear equations and their graphs, and quadratic equations and inequalities. Problem-solving techniques include the translation of the written statement into mathematical terminology. The cognitive skills of analysis and cause and effect are stressed.

*A TI-84 graphing calculator is required for this course.

ALGEBRA I

LEVEL: 9
COLLEGE PREP
CREDIT: 1 ONE YEAR
FEE: \$25

This course treats the essential topics associated with a first-year algebra course. The student is exposed to the fundamentals of problem solving with an emphasis placed on basic skills and techniques. Various types of word problems are considered. The student acquires a basic understanding of algebraic principles and concepts. The course content includes exponents, properties of real numbers, linear equations and inequalities, polynomial expressions, systems of linear equations and their graphs, and quadratic equations and inequalities are introduced. Problem-solving techniques include the translation of the written statement into mathematical terminology. The cognitive skills of analysis and cause and effect are stressed.

*A TI-84 graphing calculator is required for this course.

Note:

In all the freshman algebra courses, the graphing calculator is required during class and is used for evaluating expressions, equations, solving systems, solving and graphing matrix operations, and data analysis.

**SOPHOMORE
GEOMETRY/TRIG H**

LEVEL: 10
HONORS COLLEGE PREP
CREDIT: 1 ONE YEAR
FEE: \$25
Prerequisite: Approval of Mathematics Department based upon student's performance review.

The first half of this course is based on the fundamental concepts of Euclidean Geometry. Concepts include congruency, logic, parallelism, polygons, geometric inequalities, similarity, right triangles, circles, solid figures, area, volume, coordinate geometry and mappings. Deductive proofs are used to develop an axiomatic logic structure. The student is presented with a systematic process, which is useful in the solution of real life problems.

The second half of this course is a thorough and rigorous class of Trigonometry. Concepts include right triangle trigonometry, Unit Circle, Law of Sines, Law of Cosines, trigonometric identities, and trigonometric form of imaginary numbers.

*A TI-84 graphing calculator is required for this course.

GEOMETRY H

LEVEL: 10
HONORS COLLEGE PREP
CREDIT: 1 ONE YEAR
FEE: \$25
Prerequisite: Approval of Mathematics Department based upon student's performance review.

This course presents the fundamental concepts associated with Euclidean Geometry. The concepts include congruency, similarity, the Pythagorean Theorem, and parallelism. Other topics covered are logic, polygons, circles, solid figures, and area and volume. A unit on trigonometry is included. Deductive proofs are used to develop an axiomatic logic structure. Through the study of Euclidean Geometry, the student is presented with a systematic process, which is useful in the solution of real life problems.

*A TI-84 graphing calculator is required for this course.

GEOMETRY

LEVEL: 10
UPPER COLLEGE PREP
CREDIT: 1 ONE YEAR
FEE: \$25

Prerequisite: Approval of Mathematics Department based upon student's performance review.

This course introduces the student to Euclidean Geometry. Deductive and inductive logic are used to develop an axiomatic mathematical system. The concepts of mathematical proof, congruency, similarity, points, and parallelism are considered. The student is encouraged to use logical processes taught in the course to solve daily problems.

*A TI-84 graphing calculator is required for this course.

GEOMETRY

LEVEL: 10
COLLEGE PREP
CREDIT: 1 ONE YEAR
FEE: \$25
Prerequisite: Approval of Mathematics Department based upon student's performance review.

This course is designed for the student who has demonstrated the need for a less rigorous treatment of geometry. All the concepts that are covered in Geometry #231 are introduced, but with less emphasis on deductive proof and algebraic concepts. The topics covered are points, lines, angles, triangles, polygons, circles, solid figures, congruence, similarity, ratio and proportion, perimeter, area and surface area and volume, and coordinate graphs.

*A TI-84 graphing calculator is required for this course.

TOPICS IN MATHEMATICS

LEVEL: 10-11
COLLEGE PREP
CREDIT: 1 ONE YEAR
FEE: \$25

Prerequisite: Approval of Mathematics Department based upon student's performance review.

The course develops the basic concepts associated with an elementary college algebra program. The content consists of the solution of linear and quadratic equations, exponential equations and inequalities. Rich, practical problems are presented to provide the student with real life examples. Graphing of functions provide the student with visual representations of geometric and algebraic concepts.

*A TI-84 graphing calculator is required for this course.

JUNIOR / SENIOR**TOPICS IN MATHEMATICS**

LEVEL: 10-11
COLLEGE PREP

CREDIT: 1 ONE YEAR

FEE: \$25

Prerequisite: Approval of Mathematics Department based upon student's performance review.

The course develops the basic concepts associated with an elementary college algebra program. The content consists of the solution of linear and quadratic equations, exponential equations and inequalities. Rich, practical problems are presented to provide the student with real life examples. Graphing of functions provide the student with visual representations of geometric and algebraic concepts.

*A TI-84 graphing calculator is required for this course.

ALGEBRA II H

LEVEL: 10-11
HONORS COLLEGE PREP

CREDIT: 1 ONE YEAR

FEE: \$25

Prerequisite: Approval of Mathematics Department based upon student's performance review.

The course is for the above-average student taking a second course in algebra. It contains a brief review of Algebra I and progresses to the advanced topics needed for college mathematics. Logical thinking is reinforced through problem solving. Students are introduced to conics through the Cartesian coordinate system. The topics investigated are real and complex numbers, systems of equations and inequalities, determinants, matrices, polynomial functions, and exponential and logarithmic functions. Some basic properties of trigonometry are covered.

*A TI-84 graphing calculator is required for this course.

ALGEBRA II

LEVEL: 10-11-12
UPPER COLLEGE PREP

CREDIT: 1 ONE YEAR

FEE: \$25

Prerequisite: Approval of Mathematics Department based upon student's performance review.

The course contains a review of Algebra I and introduces the advanced topics required for college mathematics. The student learns to translate word problems into mathematical expressions. Topics to be presented include the field properties, linear equations, quadratic equations, systems of equations, inequalities, polynomials, rational expressions, complex numbers, an introduction to logarithms, an introduction to conics, and trigonometry.

*A TI-84 graphing calculator is required for this course.

ALGEBRA II

LEVEL: 11-12
COLLEGE PREP

CREDIT: 1 ONE YEAR

FEE: \$25

Prerequisite: Approval of Mathematics Department based upon student's performance review.

The course contains an in-depth review of Algebra I and introduces the advanced topics required for college mathematics. The student learns to translate word problems into mathematical expressions. Topics covered include the field properties, linear equations, quadratic equations, systems of equations, inequalities, polynomials, rational expressions, complex numbers, and an introduction to trigonometry.

*A TI-84 graphing calculator is required for this course.

PRE-CALC/CALCULUS H

LEVEL: 11
HONORS COLLEGE PREP
CREDIT: 1 ONE YEAR
FEE: \$25

Prerequisite: Approval of Mathematics Department based upon student's application/ performance review. Completion of Geometry/ Trig Honors with an A or B.

The course concludes an in-depth study of functions, series and sequences, and other advanced algebra and trigonometric topics and introduces students to calculus and the techniques involved in differentiation. Topics covered are rational functions, exponential, logarithmic, logistic and trigonometric functions. Additional advanced topics are probability, series and sequences, vectors in space, and matrices use in linear algebra. The study of equations (including conics) is emphasized in function, parametric, polar and sequential forms. An in-depth study of modeling problem situations with functions, vectors, and derivatives is made. The concept of calculus is introduced with the study of limits, continuity and the meaning of the derivative in terms of rates of change and local linear approximations. The course concludes with a study of calculating derivatives (both from the definition and from the use of rules) and the process of implicit differentiation.

The course is designed to prepare students for AP Calculus BC.

*A TI-84 graphing calculator is required for this course.

PRE-CALC/TRIG H

LEVEL: 11-12
HONORS COLLEGE PREP
CREDIT: 1 ONE YEAR
FEE: \$25

Prerequisite: Approval of Mathematics Department based upon student's application/ performance review.

The course provides a transition between high school and college mathematics. Intermediate algebra, analytic geometry and trigonometry are integrated with other important topics in mathematics by an approach that stresses functions. Separate units place special emphasis on trigonometric functions, polynomial functions, exponential functions, and logarithmic functions. A discussion of rational and irrational numbers provides an early introduction to limits. This concept reappears in a section on graphing functions. Other topics include matrices and an introduction to linear algebra.

In the latter part of the course, the concept of limit is treated again using a more formal, precise definition. This is an intuitive introduction to differential calculus.

*A TI-84 graphing calculator is required for this course.

PRE-CALC/TRIG

LEVEL: 11-12
UPPER COLLEGE PREP
CREDIT: 1 ONE YEAR
FEE: \$25

Prerequisite: Approval of Mathematics Department based upon student's performance review.

The course focuses on an in-depth study of functions including linear, absolute value, step, quadratic and higher order polynomial, radical, rational, exponential, and logarithmic and trigonometric functions. Graphs are analyzed in terms of special characteristics such as maxima/minima, end behavior, intercepts and asymptotes. An in-depth study of trigonometry, law of sines/cosines, and trig graphs will be conducted as well as the incorporation of critical analysis and

modeling as the trig study extends through identities and trig equations. Additional topics include: conics and their graphs, sequences and series, combinatorics and an introduction to calculus.

*A TI-84 graphing calculator is required for this course.

PRE-CALC/TRIG

LEVEL: 12
COLLEGE PREP
CREDIT: 1 ONE YEAR
FEE: \$25

Prerequisite: Approval of Mathematics Department based upon student's performance review.

The course includes an introduction to functions, linear functions, quadratics, polynomials and their graphs, rational and radical functions, exponential and logarithmic functions, right triangle trigonometry, including law of sines and cosines, angles and the Unit Circle, graphing trig functions, trig identities, and polar equations and graphs. This course is intended for the college bound senior who has completed Algebra II and who needs a course to prepare him/her for college math.

*A TI-84 graphing calculator is required for this course.

MATHEMATICS

AP CALCULUS AB

LEVEL: 11-12
ADVANCED PLACEMENT
CREDIT: 1 ONE YEAR
FEE: \$150

Fee includes computer program use and AP Exam.

Prerequisite: Approval of Mathematics Department based upon student's application/ performance review.

This course introduces the students to the techniques used in differentiation and integration. The concepts taught include limits, coordinate geometry, differentiation, and integration. Exponential and logarithmic functions are considered along with transcendental functions.

This course is designed to prepare students for the Advanced Placement Exam offered by the College Board.

Students will be required to take the AP Calculus AB Exam.

*A TI-84 graphing calculator is required for this course.

AP CALCULUS BC

LEVEL: 11-12
ADVANCED PLACEMENT
CREDIT: 1 ONE YEAR
FEE: \$150

Fee includes computer program use and AP Exam.

Prerequisite: Minimum achievement of 95% in Pre-Calculus HON OR successful completion of AP Calculus AB AND approval of Mathematics Department based upon student's application/ performance review.

The course includes extensive work in the techniques used in differentiation and integration. The concepts taught include limits, analytic geometry, derivatives, integrals, polynomial approximations and series. These concepts are applied to parametric, polar, vector, exponential, logarithmic, trigonometric and transcendental functions. This course is equivalent to two semesters of college calculus.

This course is designed to prepare students for the Advanced Placement Exam offered by the College Board.

Students are required to take the AP Calculus BC Exam.

*A TI-84 graphing calculator is required for this course.

CALCULUS H

LEVEL: 11-12
HONORS COLLEGE PREP
CREDIT: 1 ONE YEAR
FEE: \$25

Prerequisite: Approval of Mathematics Department based upon student's application/ performance review.

The course is provided for the students with above-average ability in the field of mathematics. The content provides the student with a fundamental knowledge of calculus so that a course of study in business, engineering, the sciences, and humanities can be further pursued at the college level of instruction.

The student differentiates and integrates polynomial functions and trigonometric functions and is able to use calculus in the solution of work-related problems.

*A TI-84 graphing calculator is required for this course.

ELECTIVES

AP STATISTICS

LEVEL: 11-12
ADVANCED PLACEMENT
CREDIT: 1 ONE YEAR
FEE: \$120
Fee includes computer program use and AP Exam.

Prerequisite: Approval of Mathematics Department based upon student's application/ performance review.

This course is an upper level mathematics course intended to provide the student with strong background required for a variety of college majors. AP Statistics involves the study of four main areas: exploratory analysis; planning a study; probability; and statistical inference. AP Statistics is a course that differs significantly from other mathematics courses because the focus is on a mathematical understanding as well as an accurate and thorough communication of that understanding. In this course, students will design surveys and experiments, gather data, analyze the data graphically and numerically, and interpret the results through inferential statistics. This course is designed to prepare students for the Advanced Placement Exam offered by the College Board.

Students will be required to take the AP Statistics Exam.

*A TI-84 graphing calculator is required for this course.

INTRO TO COMPUTER SCIENCE

LEVEL: 9-10-11-12
UPPER COLLEGE PREP
CREDIT: .5 SEMESTER ONE

Prerequisite: Approval of Mathematics Department based upon student's performance review.

This is an introductory computer programming course using the JAVA language. It is a one semester introduction to the basics of structured programming. Course topics will include pseudo code, algorithm design, data types, variables, control structures and an introduction to object-oriented theory. This course will provide students with a solid preparation for AP Computer Science.

AP COMPUTER SCIENCE A

LEVEL: 10-11-12
ADVANCED PLACEMENT
CREDIT: 1 ONE YEAR
FEE: \$165
Fee includes computer program use and AP Exam.

Prerequisite: 80% or above in Algebra I UCP or higher; 80% or above in Intro to Programming; approval of Mathematics Department based upon student's application and performance review.

AP Computer Science A is a college-level introductory course in computer science and structured programming. Students learn how to design and implement code to solve problems and to complete projects applicable to a real-world setting. The programming language introduced in the course is Java, but a strong emphasis will be placed on the development of well-known programming algorithms and strategies rather than just the programming language itself.

This course meets all requirements set forth by the College Board to prepare students for the AP Computer Science A exam in May. It also provides students with an excellent foundation for further formalized study in computer science. This is a course that demands students be both independent and team workers. What is done from day to day in class will vary depending on the individual needs and ability levels of each student. Thus, both independence and teamwork are prerequisites for students wishing to do well in this course, and on the accompanying AP test.

Students will be required to take the AP Computer Science A exam.

MEDIA**INTRODUCTION TO BROADCAST JOURNALISM**

LEVEL: 9-10-11-12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER

Prerequisite: NONE

In this workshop format class, students focus on the production of broadcast news stories and special features. Students will master a variety of story formats, including features, sports, public service announcements and other specialty segments. From planning to building a storyboard to writing, shooting, and editing, students will learn to create stories and features that will be used on the Carmel journalism web site, www.carmelcrossroads.com, as well as other special segments.

Students will study the history of broadcast journalism, move through the advent of the 24-hour news cycle and discuss the implications of a society where cameras are in everyone's pockets. Ethics and best practices are at the forefront of every discussion.

INTRODUCTION TO JOURNALISTIC WRITING

LEVEL: 9-10-11-12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER

Prerequisite: NONE

This course builds a strong foundation in journalism through the practice in writing and editing all types of media. Students study the history of journalism and debate the legal ethical questions of topics like news coverage, privacy, citizen journalism, and the public's right to information.

Deep dives into current events and the major media concerns of the time round out this course that prepares a student for the Journalism course and work on the student news website, www.carmelcrossroads.com.

JOURNALISM

LEVEL: 10-11-12
UPPER COLLEGE PREP
CREDIT: 1 ONE YEAR

Prerequisite: Introduction to Broadcast Journalism or Introduction to Journalistic Writing or adviser's approval

This course is the backbone of Carmel's student news website www.carmelcrossroads.com. In this fast-paced course, students are responsible for gathering, writing, editing, and producing content for daily posts. Deadlines, time-management, and organization are of utmost importance to any journalistic team and this class puts an equal emphasis on all three. Carmel journalists ask challenging questions, analyze data, examine trends, and monitor social media. Staff members are required to work outside of normal class time to pull off these exciting and interesting stories.

JOURNALISM H

LEVEL: 10-11-12
HONORS COLLEGE PREP
CREDIT: 1 ONE YEAR

Prerequisite: Instructor approval upon student's application and performance review

Honors journalism students assume an editorial role for Carmel's student news website www.carmelcrossroads.com. Each editor is responsible for mastering the student-friendly host web site including design, photography on graphics. These editors not only excel at news gathering, writing, and editing, but their most important skill set is leadership. Crossroads editors hold themselves and their staff to high standards and maintain constant journalistic ethics. Typically, these students have been on the staff for at least a year, but candidates with strong skills will be considered based on merit, as well.

Because editors must have strong writing, leadership, and design skills, these students are also expected to attend summer workshops and outside enrichment programs.

SOCIAL MEDIA AND PERSONAL BRANDING

LEVEL: 10-11-12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER

Prerequisite: NONE

Technology moves fast, but the basic concepts that social media users communicate always remain the same. To develop a successful social media presences, students will focus on developing a personal brand and creating an online portfolio that showcases academic, extracurricular, and athletic accomplishments. This course addresses all aspects of a student's social media profile as a whole—starting with historical perspective, establishing audience and credibility, engaging responsibly, and analyzing content while maintaining best practices with an eye on law and ethics.

At the end of the course, students will have a strong marketing tool to use as they apply for colleges, internships, and jobs.

This course may be repeated.

YEARBOOK

LEVEL: 10-11-12
UPPER COLLEGE PREP
CREDIT: 1 ONE YEAR
FEE: \$100

Prerequisite: English 09 College Prep, Upper College Prep, or Honors.

Yearbook is a one-year course designed to develop basic skills in design, photography, editing, journalism, managing, and marketing. Yearbook is an elective course designed specifically for the production of the Carmel Catholic yearbook. The staff creates pages, conducts interviews, writes copy, and chooses photographs.

All students are scored pass/fail.

GRAPHIC DESIGN I

LEVEL: 10-11-12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER
FEE: \$75
Supplies are included in fee.

Prerequisite: NONE

Graphic Design I introduces students to typography, digital illustration, and photo manipulation. Students will use industry standard hardware and software to accomplish their work. This includes Adobe InDesign, Adobe Illustrator, and Adobe Photoshop. Through a series of assignments and projects, they will learn about the effective use of elements of art and principles of design. Students will individually and collaboratively participate in lecture, demonstrations, and critique. Along with strengthening their computer skills, students will improve their visual literacy and begin understanding popular design standards used today.

GRAPHIC DESIGN II

LEVEL: 10-11-12
HONORS COLLEGE PREP
CREDIT: .5 ONE SEMESTER
FEE: \$75
Supplies are included in fee.

Prerequisite: Graphic Design I

Students in Graphic Design 2 will continue to develop their technical and conceptual design skills. Students will use industry standard hardware and software to accomplish their work. This includes more advanced workspaces in Adobe InDesign, Adobe Illustrator, and Adobe Photoshop and how these programs can operate together. Projects will involve intricate and detailed work, focusing on standard advertising and marketing materials used historically and in present day. Students will individually and collaboratively participate in lecture, demonstrations, and critique. Elements of arts and principles of design will be emphasized in their designs.

GRAPHIC DESIGN III

LEVEL: 11-12
HONORS COLLEGE PREP
CREDIT: .5 ONE SEMESTER
FEE: \$75
Supplies are included in fee.

Prerequisite: Graphic Design I and II required. Introduction to Art optional.

Graphic Design 3 is a comprehensive course exposing students to the modern functions of design. Students will focus on the ability to communicate messages and experiences with their work. Building on their foundational knowledge from Graphic Design 1 and 2, they will advance their skills using industry-standard equipment and software. Students will learn to apply their 2D designs made on computers and transfer them into 3D tangible products (apparel, product packaging, branded marketing collateral, framed work, and more). In conjunction, they will learn how to use a high-end printer and understand how to design with the intent of printing. Students will work with real-life clients, including Carmel's very own marketing department. Various industry professionals will also speak with students to learn more about their expertise / daily lives and what's hot in design today.

Students will create a body of work necessary to begin their careers and further their education in college.

PHOTOGRAPHY I

LEVEL: 10-11-12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER
FEE: \$75
****see below**

Prerequisite: NONE

Photography I is an introductory course focusing on analog black & white photography and darkroom printing. Students will learn how to make proper exposures and to creatively manipulate aperture and shutter speed. Students will use chemicals to process their own film and prints. Emphasis is placed on manual camera operation, film processing, and darkroom printing. Students will individually and collaboratively participate in lecture, demonstrations, critique, and studio experiences. They will become familiar with composition, perspective, design principles and elements of art with a series of technical projects and assignments.

PHOTOGRAPHY II

LEVEL: 10-11-12
HONORS COLLEGE PREP
CREDIT: .5 ONE SEMESTER
FEE: \$75

Prerequisite: Photography I

Students in Photography 2 continue to build their analog knowledge and are simultaneously introduced to basic digital photography. Experimental darkroom techniques and advanced photographing and printing methods will be covered. Students will transition to a simple digital workflow and learn about post-production using Adobe software. An introduction to studio lighting will cover the use of continuous lights and other studio equipment. Students will individually and collaboratively participate in lecture, demonstrations, critique, and studio experiences. They will complete the class with a self-directed, cohesive body of work. Students will be challenged to improve their ability to observe and create more complex imagery.

PHOTOGRAPHY III

LEVEL: 11-12
HONORS COLLEGE PREP
CREDIT: .5 ONE SEMESTER
FEE: \$75
****see below**

Prerequisite: Photography I and II are required. Introduction to Art optional.

Photography 3 is a comprehensive, fast-paced course advancing students' foundational knowledge into the digital realm of photography. This class will operate as a high-end photography firm, touching on commercial and studio photography, photojournalism, documentary, and more. Students will be tasked with working as photographers, re-touchers, printers, and art handlers. Students learn to use industry-standard equipment and software, jumpstarting their opportunity to become professionals. Students will work with real-life clients, including Carmel's very own marketing department. Various industry professionals will also speak with students to learn more about their expertise and inform students of what is hot in photography today.

****Photography requirements:**

Chemistry, darkroom and film processing equipment are included in the \$75 fee. It is preferred that students supply their own 35mm manual SLR camera. Students must supply their own film and photographic paper (estimated expenditure of \$100).

INTRODUCTION TO MEDIA PRODUCTION

LEVEL: 9-10-11-12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER

Prerequisite: NONE

Introduction to Media Production is designed to provide students a strong background in the production and consumption of media. The class will be a blend of history, sociology, psychology, performance, marketing, art, music, and technology and how this blend relates to media production.

MEDIA PRODUCTION - AUDIO

LEVEL: 9-10-11-12
HONORS COLLEGE PREP
CREDIT: .5 ONE SEMESTER

Prerequisite: Intro to Broadcasting OR approval of Media Department based upon student's application/ performance review.

Students will study effective ways of producing audio segments for podcasts, audio programs, and to overlay onto video. This will include recording voice work, foley, and music recording. Students will work with Media Production – Video students for sound projects that fit with their video projects. This is primarily a project-based course. These students will also produce Carmel events.

Students may take this course more than once.

MEDIA PRODUCTION – VIDEO

LEVEL: 9-10-11-12
HONORS COLLEGE PREP
CREDIT: .5 ONE SEMESTER

Prerequisite: Intro to Media Production OR approval of Media Department based upon student's application/ performance review.

Students will study effective ways of producing high quality video segments. This will include the production of commercials, short informational videos, and short movies. Students will work with Media Production-Audio students to produce these materials. Students will take turns being the face in front of the camera for a monthly clip and highlights show, but will be expected to learn all facets of video production. These students will also produce Carmel events with the help of Introduction to Media Production and will guide that production.

SPORTS BROADCASTING

LEVEL: 9-10-11-12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER

See instructor for honors credit option.

Prerequisite: NONE

Students will create, run, advertise, and maintain the Carmel Catholic Sports Network. There will be a heavy focus on broadcasting sports games, focusing heavily on sports that take place in Baker Stadium and the Salvi Arena. Another goal of the class will be to create long-form documentaries to be presented at the end of the year.

We will mirror our network on major sports networks like ESPN, NBC, and FOX, but also upstarts like Vice Sports and the Ringer.

Students will be responsible for recording or broadcasting numerous sports and special events that go on at Carmel – most of which will occur outside of class/school hours. Honors credit will be achieved based on the number of events students can attend.

PHYSICAL EDUCATION/ HEALTH

PHYSICAL EDUCATION / HEALTH

For graduation, each student is required to take: Fall PE, Spring PE, and Health.

PE electives do not take the place of fall and spring PE.

REQUIRED COURSES

PHYSICAL EDUCATION - FALL MEN WOMEN

LEVEL: 9-10-11-12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER

Course units include a variety of movement activities as well as team sports. Fall Physical Education classes include topics such as tennis, flag football, volleyball, and fitness. Students are encouraged to self assess and work toward personal progress. The emphasis is on active participation now and as a future lifetime pursuit.

The required uniform is available for purchase in the bookstore.

PHYSICAL EDUCATION – SPRING MEN WOMEN

LEVEL: 9-10-11-12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER

Course units include a variety of movement activities as well as team sports. Spring Physical Education classes include topics such as floor hockey, pickleball, soccer, softball, track, and strength training. The emphasis is on active participation now and as a future lifetime pursuit.

The required uniform is available for purchase in the bookstore.

FRESHMAN HEALTH

LEVEL: 9
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER
FEE: \$5
Fee includes CPR certification

This required course needs to be taken by all freshmen.

Health is a semester course that focuses on the connection between mind and body, crucial to personal growth and development. Health Education is the integrated teaching of physical, intellectual, emotional, environmental, spiritual and social wellness. This course will include topics such as social health, mental health, nutrition, substance abuse, human development, disease prevention, community health, safety, and first aid.

The required uniform is available for purchase in the bookstore.

PHYSICAL EDUCATION/ HEALTH

ELECTIVE COURSES

These are elective courses and must be taken in addition to Fall PE, Spring PE, and Health.

SPEED DEVELOPMENT

LEVEL: 10-11-12
CREDIT: .5 ONE SEMESTER

Prerequisite: completion of fall and spring PE. Approval of department based upon application.

This course is offered to students who have an interest in building speed for enhancing personal ability in a sport.

This course helps students maximize their speed potential by understanding and using proper mechanics and necessary drills needed for speed development. Proper use of the hands, arms, and positioning of the feet will be emphasized. Students will be filmed to identify strengths and areas needing improvement.

SPORTS MEDICINE

LEVEL: 11-12
CREDIT: .5 ONE SEMESTER

Prerequisite: completion of fall and spring PE. Approval of department based upon application.

This laboratory physical education course is offered to students who have an interest in a health care career with emphasis on the sports medicine/physical therapy field.

The course provides understanding of the pathological anatomy, techniques in evaluating, and modalities of treating sports-related injuries.

Participation in this course is not related to working as a student athletic trainer during sporting events. (students interested in this role- applications occur in the spring; see Athletic Trainer/ Mr. Heinrichs for information) Participation is limited to twenty students per semester.

HEALTH – EXPERIENTIAL MEDICAL INTERNSHIP

LEVEL: 12
HONORS COLLEGE PREP
CREDIT: .5 ONE SEMESTER

Prerequisite: Member of OUCH Club junior year. On-campus class concurrent with internship hours at Condell Hospital in Libertyville, IL. Approval of department chair based upon interview.

No on-line registration. Please see your counselor.

Health – Experiential Medical Internship Program is for seniors who are extremely committed to pursuing a career in the field of medicine. It will provide opportunities for students with field experience beyond the classroom. Senior students will be required to engage in very rigorous, challenging and authentic hands-on learning experience. Students will: observe, engage with professionals, learn specific tasks, gain insight into career planning, develop critical thinking and problem solving, and learn to communicate with the world around them.

RELIGIOUS STUDIES

RELIGIOUS STUDIES

FRESHMAN

OLD TESTAMENT

LEVEL: 9
UPPER COLLEGE PREP
CREDIT: .5 SEMESTER ONE

Prerequisite: NONE

This course examines the rich traditions of Judaism as a basis of the Catholic faith by analyzing the historical figures, stories, literary forms, scripture formation, and culture of the ancient Hebrew society. This course gives the student a framework and context within which to analyze the background, environment, and culture of Jesus Christ.

NEW TESTAMENT

LEVEL: 9
UPPER COLLEGE PREP
CREDIT: .5 SEMESTER TWO

Prerequisite: NONE

This course focuses on the life, time frame, teachings, parables, and miracles of Jesus Christ. The student examines the tenets and teachings of Jesus as they apply to his/her life. A historical perspective is included to enable the student to appreciate the style and genre of the New Testament writers. A study of scripture text formation enables the student to analyze the context of the New Testament.

SOPHOMORE

SACRAMENTS

LEVEL: 10
UPPER COLLEGE PREP
CREDIT: .5 SEMESTER ONE

Prerequisite: NONE

The student explores symbol, ritual, and prayer found within his/her own life, in the Gospels and in the Roman Catholic Tradition with an emphasis on an understanding of the sacramentality of life. The student studies the meaning along with the historical development of the seven sacraments focusing on the continued importance of partaking in the liturgical life of the Church.

CATHOLIC MORALITY

LEVEL: 10
UPPER COLLEGE PREP
CREDIT: .5 SEMESTER TWO

Prerequisite: NONE

Catholic Morality is a course designed to help students learn Catholic Moral Principles and to use them as guidelines in making decisions throughout their lives. In this class, the students will discuss personal character and virtue to help become better informed and responsive in living a Christian moral life. Students will also learn a decision making model and will practice using it in hypothetical situations.

JUNIOR

CATHOLIC SOCIAL JUSTICE

LEVEL: 11
UPPER COLLEGE PREP
CREDIT: .5 SEMESTER ONE

Prerequisite: NONE

This course examines the current moral trends, problems and issues that affect our society. These issues are examined in the light of Catholic social teaching which offers humanity a direction and a social vision that mirrors the values of the reign of God that Jesus announced and embodied.

CHURCH HISTORY

LEVEL: 11
UPPER COLLEGE PREP
CREDIT: .5 SEMESTER TWO

Prerequisite: NONE

This course seeks to help the students appreciate the development of the Catholic Church through history. An introductory course on Church history attempts to help the students come to an appreciation of both history and Church. Rather than mere chronology, this course describes Church history as a story; how Christ has been and continues to be manifested through Christians in the various historical circumstances that the Church has found herself.

SENIOR

CHRISTIAN LIFESTYLES

LEVEL: 12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER

Prerequisite: NONE

This course examines the life choices a person makes including the single, religious, and married lifestyles. The student examines personal growth issues such as self-esteem, maturity, sexuality, as well as healthy living qualities such as compassion, joy, generosity, and choosing God's gifts in light of making complex life choices every day. The student analyzes life topics such as dating, family, divorce, death, separation, commitment, responsibility, and child rearing.

COMPARATIVE WORLD RELIGIONS

LEVEL: 12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER

Prerequisite: NONE

In light of the truths presented in the Catholic faith, this course enables the student to examine, analyze, and appreciate the rich traditions of the major world religions. The student compares Christian beliefs in light of the beliefs and cultures of the world's religions.

WOMEN OF FAITH

LEVEL: 12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER

Prerequisite: NONE

The first quarter surveys the role and contributions of significant women in both the Hebrew Scriptures and the Christian Testament. The second quarter examines the lives and writings of a cross-section of Catholic women throughout the history of the Church: mothers, daughters, mystics, healers, teachers, visionaries, artists and founders.

CATHOLIC SPIRITUALITY

LEVEL: 12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER

Prerequisite: Approval of department based upon application

This course aims to help students explore and develop their personal spiritual life. They will seek to learn from the great spiritual masters of the Catholic faith. Students will develop their own life of grace and faith, through prayer, meditation, and other spiritual exercises, as a personal relationship with the Lord.

CATHOLIC PHILOSOPHY H

LEVEL: 12
HONORS COLLEGE PREP
CREDIT: .5 ONE SEMESTER

Prerequisite: Cumulative GPA of 3.00; approval of department

The student is presented with various philosophical insights from past and present philosophical analysts and thinkers, so that he/she can evaluate, synthesize and put together a rudimentary framework for his/her own philosophical thoughts. The student is challenged to defend his/her own philosophical insights as he/she incorporates various other philosophical thought processes.

SCIENCE**FRESHMAN****PHYSICS H**

LEVEL: 9
HONORS COLLEGE PREP
CREDIT: 1 ONE YEAR

This course is designed to provide information on the fundamental concepts of physics. This inquiry-based course covers unifying principles such as: motion, forces, energy, momentum, waves, sound, light, electricity, and magnetism. Emphasis is placed on understanding conceptual physics while strengthening scientific skills and mathematical application. This course has a faster pace and greater depth than Physics CP and UCP. Students examine and analyze physics through application of honors level algebra. This is a laboratory course. This course is for the honors math student aiming toward Chemistry Honors. This sequence will also provide students the background and opportunity for AP sciences.

PHYSICS

LEVEL: 9
UPPER COLLEGE PREP
CREDIT: 1 ONE YEAR

This course is designed to provide information on the fundamental concepts of physics. This inquiry-based course covers unifying principles such as: motion, forces, energy, momentum, waves, sound, light, electricity, and magnetism. Emphasis is placed on understanding physics concepts while strengthening scientific skills and mathematical application. This is a laboratory course. This course will reinforce math skills used in the freshmen algebra courses. This course provides excellent preparation for high school chemistry and biology.

PHYSICS

LEVEL: 9
COLLEGE PREP
CREDIT: 1 ONE YEAR

This course is designed to provide information on the fundamental concepts of physics. This inquiry-based course covers unifying principles such as: motion, forces, energy, momentum, waves, sound, light, electricity, and magnetism. Emphasis is placed on understanding physics concepts while strengthening scientific skills and mathematical application. This course will reinforce math skills used in the freshmen algebra courses. This course will also provide extra support for students who may find reading and vocabulary for science especially challenging. This course provides excellent preparation for high school chemistry and biology.

SOPHOMORE**CHEMISTRY H**

LEVEL: 10
HONORS COLLEGE PREP
CREDIT: 1 ONE YEAR

Prerequisite: Approval of Science Department based upon student's performance review.

This is a laboratory course designed for students needing a thorough background for further work in science. Course topics include measurement, atomic theory and structure, matter and energy, gas laws, bonding, solutions, acids, bases, pH, redox reactions, nuclear chemistry, organic chemistry, and methods of analysis.

CHEMISTRY

LEVEL: 10
UPPER COLLEGE PREP
CREDIT: 1 ONE YEAR

Prerequisite: Approval of Science Department based upon student's performance review.

This course is offered for college bound students developing science skills and practical life applications of chemistry. Topics include matter and energy, types of chemicals and their reactions, atomic theory and structure, nuclear chemistry, bonding, solutions, chemical equations and stoichiometry. This course will aim to build upon the students' science skills and knowledge from physics while preparing students with the foundation for the upperclassman biology course.

CHEMISTRY

LEVEL: 10
COLLEGE PREP
CREDIT: 1 ONE YEAR

Prerequisite: Completion of freshman physics.

This course is offered for students who need more differentiated instruction and pacing than in the UCP Chemistry course. It is offered for college bound students developing science skills and practical life applications of chemistry. Topics include matter and energy, types of chemicals and their reactions, atomic theory and structure, nuclear chemistry, bonding, solutions, chemical equations and stoichiometry. This course will aim to build upon the students' science skills and knowledge from physics while preparing students with the foundation for the upperclassman biology and elective science courses.

JUNIOR**BIOLOGY H**

LEVEL: II
 HONORS COLLEGE PREP
 CREDIT: I ONE YEAR

Prerequisite: Approval of Science Department based upon student's performance review.

This inquiry-based course covers six unifying principles: organization, interdependence, continuity, change, development, and equilibrium. Biological concepts will include macromolecules, cells, energy, human body, genetics, biotechnology, classification, evolution, and ecology. Due to the extensive vocabulary required in this course, it is essential that students have advanced skills in reading comprehension, writing, spelling, and rapid memorization. Students will be expected to continually draw upon newly acquired foundational knowledge to analyze, synthesize, and evaluate biological issues.

BIOLOGY

LEVEL: II
 UPPER COLLEGE PREP
 CREDIT: I ONE YEAR

Prerequisite: Approval of Science Department based upon student's performance review.

This course is an introduction to the fundamental concepts of living organisms. The course will build upon the foundation of science knowledge and skills students have attained in physics and chemistry.

In this course, students will examine and analyze biological problems that surface in today's society. Biological topics will include cells, transport, energy, genetics, evolution, classification, and ecology. Emphasis will be placed upon independence of structure and function.

BIOLOGY

LEVEL: II
 COLLEGE PREP
 CREDIT: I ONE YEAR

Prerequisite: Completion of chemistry and physics.

This course is offered for students who need more differentiated instruction and pacing than in the UCP Biology course.

In this course, students will examine and analyze biological problems that surface in today's society. Biological topics will include cells, transport, energy, genetics, evolution, classification, and ecology. Emphasis will be placed upon independence of structure and function.

ELECTIVES**ZOOLOGY**

LEVEL: 10-11-12
UPPER COLLEGE PREP
CREDIT: 1 ONE YEAR
LAB FEE: \$30

Prerequisite: Completion of one year of science and approval of Science Department based upon student's performance review.

This course provides the student with an opportunity to acquire an advanced-level knowledge of animal life. Emphasis is on the comparative approach and involves extensive dissection of representative animal species. Use of the classification system to gain understanding of similarities and differences in organisms is required.

An analysis of the importance of genetics and ecological pressure shaping environmental fitness and survival is emphasized.

**ASTRONOMY –
THE SOLAR SYSTEM**

LEVEL: 10-11-12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER

This course will be offered every other year. This course will be available 2017-18 but will NOT be offered 2018-19.

Prerequisite: Completion of one year of science and completion or concurrent enrollment in chemistry, and approval of Science Department based upon student's performance review.

This course explores the inner solar system into deep space. With a hands-on approach, students will investigate the constellations, sun, moon, and planets of our solar system. Students will become familiar with different types of telescopes during both day and evening observations.

**ASTRONOMY –
BEYOND SOLAR SYSTEM**

LEVEL: 10-11-12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER

This course will be offered every other year. This course will NOT be available 2017-18 but will be offered 2018-19.

Prerequisite: Completion of one year of science and completion or concurrent enrollment in chemistry, and approval of Science Department based upon student's performance review.

This course explores outside our solar system into deep space. With a hands-on approach, students will investigate stars, deep space objects such as planetary nebulae and the formation of the universe. Students will become familiar with different types of telescopes during both day and evening observations.

GEOSCIENCE

LEVEL: 10-11-12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER

This course will be offered every other year. This course will be offered 2017-18 but will NOT be offered 2018-19.

Prerequisite: Completion of one year of science and approval of Science Department based upon student's performance review.

This course provides the student with an opportunity to explore earth processes. Topics for study include earth materials, shaping and changing land, oceanography, earth history, and atmosphere.

BIOMEDICAL ETHICS

LEVEL: 11-12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER

Prerequisite: Completion of physics and chemistry AND approval of Science Department based upon student's performance review.

In this elective science course students will explore scientific topics that invoke ethical discussions. Topics include but are not limited to: stem-cell technology, cloning, IVF, genetic advancements, organ transplantation, tissue ownership, hospitalization, biomedical research, and end of life issues. Students will develop skills in scientific research, writing, discussion, and debate. This course is intended to inform students of the complex ethical questions around them in the field of medicine.

FORENSIC SCIENCE

LEVEL: 11-12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER
LAB FEE: \$30

Prerequisite: Completion of any level of physics and chemistry. With regard to biology: CP, UCP or Honors Biology must have been taken or UCP or Honors Biology can be taken concurrently.

Forensic Science is a STEM oriented course that applies the principles of physics, chemistry, and biology to the science of solving crimes. This is a course rich in exploration and lab investigation and will help hone observational and critical thinking skills. Topics will include the examination of physical evidence, such as hair and fibers, soil and plants, and entomology. DNA profiling and blood spatter patterns will be studied along with toxicology, ballistics, fingerprint analysis, and forensic anthropology. Due to the nature of the content, students must exhibit a high level of maturity and work ethic.

ANATOMY AND PHYSIOLOGY

LEVEL: 12
HONORS COLLEGE PREP
CREDIT: 1 ONE YEAR
LAB FEE: \$30

Prerequisite: Approval of Science Department based upon student's performance review.

This laboratory course is offered for students who have an interest in a health field career and/or who want to increase their understanding of the human body. It includes a detailed study of the structure and function of the organ systems of the human body. The emphasis in this course focuses on the normal human condition. Because of the large number of anatomical terms, students are required to rapidly understand vocabulary and use it precisely.

BIOTECHNOLOGY

LEVEL: 11-12
HONORS COLLEGE PREP
CREDIT: .5 ONE SEMESTER
LAB FEE: \$30

Prerequisite: Completion or concurrent enrollment in Honors Biology AND approval of Science Department based upon student's performance review.

This course is designed to introduce students to areas and concepts involved in Biotechnology. It will focus on DNA, DNA technology, gene therapy, the Human Genome Project, forensics, genetically modified organisms, stem cells, cloning, fundamental and ethical issues of Biotechnology. The potential benefits and negative consequences of biotechnology applications to the lives of humans and other animals, plants and to the environment will be explored. In addition, students will learn to apply scientific methods of study and concepts through research and hands-on experiments.

PHYSICS II

LEVEL: 10-11-12
HONORS COLLEGE PREP
CREDIT: 1 ONE YEAR

Prerequisite: Completion of physics AND completion of algebra with a minimum score of 80% AND approval of Science Department based upon student's performance review.

Students who have taken or are currently enrolled in AP Physics are allowed to enroll in this class.

This course will allow students to build upon their foundation from Physics UCP or Honors class while expanding their use of mathematical applications, experimentation, and higher level thinking skills. Topics will focus upon light and geometric optics, modern physics (including particle physics), electromagnetism, and other topics or projects as time allows. Students in this course will strengthen their science study skills and analytical thinking, expand their application of mathematics to solving practical problems in physics and interpreting graphs, and improve their ability to work independently and in small groups in a laboratory environment.

SCIENCE RESEARCH

LEVEL: 11-12 UPPER
COLLEGE PREP
CREDIT: 1 ONE YEAR
LAB FEE: \$30

Prerequisite: Completion of two years of science and two years of mathematics AND approval of Science Department based upon student's performance review.

The primary goal of this yearlong science research class is for students to experience what science is and how science works by engaging in real-life inquiry problem solving. Each student will develop his/her own research question, conduct research, collect data and publish the results. Students will be paired with mentor scientists to collaborate on their research projects. At the end of the year, students will present both oral and written presentations of the findings.

The class will publish an Independent Research Journal with all the research papers.

**ASTRONOMY RESEARCH
FALL**

LEVEL: 11-12
HONORS COLLEGE PREP
CREDIT: .5 ONE SEMESTER
CLASS FEE: \$100

Prerequisite: Juniors and seniors who have successfully completed both physics and chemistry may apply for admission; spaces are limited. This course is limited enrollment and therefore students are accepted by application process in the spring.

This is a one semester (fall only) science research class using primarily archival astronomical data to conduct authentic science research. While students will work independently, students will collaborate on the research project with other students in the class. Students will be expected to meet once a week before school or after school. Additionally, students will be expected to present their research findings to science professionals.

**AP CHEMISTRY –
DUAL CREDIT OPTION**

LEVEL: 11-12
ADVANCED PLACEMENT
DUAL CREDIT OPTION

CREDIT: 1 ONE YEAR
FEE: \$130

Fee includes the AP Exam and lab.

Prerequisite: Approval of AP Chemistry teacher based upon AP Chemistry self-assessment.

This is an advanced, college-level course elected by students who wish a second year of chemistry. Students who take this course can earn college credit while at the same time fulfilling Carmel Catholic graduation requirements. Course content includes stoichiometry, atomic theory, solids, liquids and gases, thermochemistry, solutions, chemical bonding, chemical reactions, chemical equilibrium and reaction kinetics. This course includes a heavy laboratory emphasis. This course is designed to prepare students for the Advanced Placement test and introductory college chemistry courses.

AP students will be required to take the AP Chemistry exam. Dual Credit students have the option of taking the AP exam.

**AP ENVIRONMENTAL
SCIENCE**

LEVEL: 11-12
ADVANCED PLACEMENT

CREDIT: 1 ONE YEAR
FEE: \$130

Fee includes the AP Exam and lab.

Prerequisite: Approval of Science Department based upon student's performance review AND completion of Honors or UCP Physics and Honors or UCP Chemistry.

The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and

to examine alternative solutions for resolving or preventing them. Students will be required to take the AP Environmental Science exam.

AP BIOLOGY

LEVEL: 12
ADVANCED PLACEMENT

CREDIT: 1 ONE YEAR
FEE: \$130

Fee includes the AP Exam and lab.

Prerequisite: Approval of Science Department based upon student's performance review AND completion of Honors Biology and Honors Chemistry OR a minimum of 90% in both UCP Biology and UCP Chemistry.

This is a rigorous college-level course selected by students who wish a second year of biology. Course content includes ecology and behavior, biochemistry, the structure and function of cells, cell signaling, genetics, evolution, classification, molecular biology and microbiology. This course is designed to prepare students for the Advanced Placement exam and to prepare students for introductory level college biology courses.

Students will be required to take the AP Biology exam.

AP PHYSICS C: MECHANICS

LEVEL: 11-12
ADVANCED PLACEMENT

CREDIT: 1 ONE YEAR
FEE: \$100

Fee includes the AP Exam.

Prerequisite: Completion OR concurrent enrollment in calculus AND approval of Science Department based upon student's performance review.

This is a physics laboratory class intended for students interested in majoring in Engineering, Science or Mathematics. This course covers Newtonian mechanics in depth including such topics as: kinematics, Newton's laws of motion, work, energy, linear momentum, rotational mechanics, and gravitation. Depending upon time, we may also cover electricity and magnetism: electrostatics, magnetic fields, and electromagnetism. Introductory differential and integral calculus will be used.

Students will be required to take the Physics C AP exam.

SOCIAL STUDIES**SOPHOMORE****AP WORLD HISTORY**

LEVEL: 10
 ADVANCED PLACEMENT
 CREDIT: 1 ONE YEAR
 FEE: \$100
 Fee includes the AP Exam.

Prerequisite: Approval of English and Social Studies Departments based upon student's performance review.

This course studies our world's history from the dawn of civilization to the present. The course introduces overarching world historical themes such as: impact of societal interactions; change and continuity across world history periods; impact of technology and demography; social, political, and economic structures; cultural and intellectual developments; and interactions with our environment. These themes address historical thinking and skills (constructing and evaluating arguments; using primary documents and data; and handling diversity of interpretations). This is a reading and writing intensive, college level course and is designed to prepare students for the Advanced Placement Test. Requiring significant individual effort, the course will move quickly and appeal to the self-motivated learner. A summer reading and writing assignment may be required.

Students will be required to take the AP World History exam.

WORLD HISTORY H

LEVEL: 10
 HONORS COLLEGE PREP
 CREDIT: 1 ONE YEAR

Prerequisite: Approval of English and Social Studies Departments based upon review of the student's performance.

This course is for the above-average student and will significantly challenge even those who excelled in middle school social studies classes. This course surveys the history of the world from the start of the Middle Ages (approximately 500 C.E.) up to the year 2000. Some general concepts that may be studied are the development of governments and law, economic systems, the role of religion in society, and why nations go to war. The interpretation of history, its application to the world, and the analysis of the connections between past, present, and future are among the cognitive skills taught. Emphasis is placed on the study skills of independent reading, critical thinking, note-taking, and interpretive writing.

WORLD HISTORY

LEVEL: 10
 UPPER COLLEGE PREP
 CREDIT: 1 ONE YEAR

Prerequisite: NONE

This course surveys a variety of topics spanning the history of the world from the start of the Middle Ages (approximately 500 C.E.) up to the year 2000. The course is a general survey of Western and Eastern civilizations. Additional projects in current events, geography, and reading may be required. Emphasis is placed on reading, note-taking, and writing as well as the methods used in solving historical problems and possible solutions for current world problems.

JUNIOR

AP U.S. HISTORY

LEVEL: II
ADVANCED PLACEMENT
CREDIT: I ONE YEAR
FEE: \$100
Fee includes the AP Exam.

Prerequisite: Approval of English and Social Studies Departments based upon student's application/performance review.

This course is designed to provide the student with the factual knowledge, writing skills and analytical processes to effectively understand American history and successfully prepare for and pass the Advanced Placement exam.

This course, taught at an introductory college level, is reading, writing and discussion intensive and will challenge even exceptional students. Readings include, but are not limited to, the text, alternate historical interpretations, primary documents and materials, historical novels and current events articles.

The student will develop skills necessary for writing historical essays and documents based questions required for the college board exam. The course challenges students to seek cause and effect relationships, examine connections between American history and the present world and to analyze primary and secondary historical sources. This course moves at an extremely fast pace, requires extensive work outside of class and will appeal to the self-motivated learner.

Students will be required to take the AP U.S. History exam.

U.S. HISTORY H

LEVEL: II
HONORS COLLEGE PREP
CREDIT: I ONE YEAR

Prerequisite: Approval of Social Studies Department based upon student's performance review.

This reading intensive course surveys the history of the United States from pre-Columbian societies to the Cold War and modern era including its colonial foundations, wars, the foreign and domestic policies of the United States since its creation, presidential administrations and social/cultural trends. Focus is placed on the student's ability to identify, interpret, and compare cause and effect relationships and significance. Students are assigned extensive readings including summative histories, alternative historical interpretations and vast collections of primary sources. Students are expected to be self-motivated and participate in weekly class discussions.

U.S. HISTORY

LEVEL: II
UPPER COLLEGE PREP
CREDIT: I ONE YEAR

Prerequisite: Approval of Social Studies Department based upon student's performance review.

This course is designed to introduce the student to important events, people, and places that have helped develop the America of today. Political, economic, and philosophical differences, which have helped form U.S. government and society, are emphasized.

Students demonstrate their ability to formulate cause and effect relationships, compare and contrast different opinions and trends, and draw conclusions from a variety of other sources.

SENIOR

AP UNITED STATES GOVERNMENT AND POLITICS

LEVEL: 12
ADVANCED PLACEMENT
CREDIT: .5 ONE SEMESTER
FEE: \$100
Fee includes the AP Exam.

Prerequisite: Approval of Social Studies Department based upon student's application/ performance review.

AP US Government and Politics is an advanced, one semester, college level course designed for students who are interested in a more comprehensive study of the U.S. system of government and politics. Because this is a college level course we will be covering more material, in greater depth and at a faster pace than in the honors level course. Students are expected to be self-motivated, and willing to work outside of class time. We will be using a college level text book and primary source material including historical documents, legislation, party platforms, court cases etc.

This course provides a strong background in government and politics for the college bound students, especially those planning to major in one of the social sciences. In preparation for the advanced placement exam, students will analyze primary source material, write critical essays, carefully follow current events, interpret political data, and conduct research on contemporary political issues. In addition, students will learn the skills of responsible citizenship by actively trying to influence public policy by following current events, voting, writing letters to public officials and publications, and being involved in community service and political activities.

Topics covered in this course include: citizenship, the philosophical foundations of U.S. constitutional government; basic principles of U.S. government; political culture (beliefs and behaviors); political participation (political parties, interest groups, the media); institutions of government (legislative, executive, judicial branches, the bureaucracy); civil rights and civil liberties; public policy formulation (domestic and foreign).

The U.S. and Illinois Constitution exams will be taken during the semester, fulfilling state and school requirements.

In preparation for the Advanced Placement exam, students will analyze primary source material, write critical essays, carefully follow current events, interpret political data, and conduct research on contemporary political issues.

Students will be required to take the AP Government exam.

U.S. GOVERNMENT AND CIVICS H

LEVEL: 12
HONORS COLLEGE PREP
CREDIT: .5 ONE SEMESTER
FEE: \$15
Fee includes Upfront magazine

Prerequisite: Approval of Social Studies Department based upon student's performance review.

This course is a one semester course that is designed to provide the student with an overview of the structure and function of the U.S. political system.

Basic concepts of the course include: citizenship and immigration; philosophical foundations of the U.S. system of government; the federal system; the U.S. Constitution; the structure and function of the legislative, executive, and judicial branches of government; state and local government; the Illinois Constitution; political parties and the electoral process; rights and responsibilities of citizens; the role of the U.S. in the international community. Because this is an honors level course, students are expected to relate primary source readings to contemporary political issues and events.

This course covers more information at a deeper and more thorough level than the UCP U.S. Government course does. This course provides a strong background in government for the college bound students, especially those planning to major in one of the social studies.

The Federal and State Constitution exams are taken during this course. Flag etiquette will be discussed.

U.S. GOVERNMENT AND CIVICS

LEVEL: 12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER
FEE: \$15
Fee includes Upfront magazine

Prerequisite: Approval of Social Studies Department based upon student's performance review.

The ultimate goal of this class is to encourage students to become more responsible citizens of their community, the nation, and the world. We will discuss the knowledge, skills, attitudes, and actions of effective citizens. Responsible citizens are people who follow current events; try to understand how the political system works; think critically about political situations; and actively try to influence public policy by voting regularly, writing letters to public officials and publications, and becoming involved in community service and political activities. Every citizen has the responsibility to make his/her community a better place for all. This course is also designed to broaden one's perspective on life and improve critical thinking, research, communication, and study skills.

We will be asking some essential questions about the following topics this semester: rights and obligations of citizenship; the historical foundations of US government; principles of US government, the Federal System; the Legislative, Executive and Judicial branches of the U.S. government; the U.S. Constitution and the Amendments; citizenship and immigration; participation in the political process; state and local government; the Illinois Constitution; current events, the election process, and flag etiquette.

The US and Illinois Constitutions will be studied throughout the course and the constitution tests will be administered.

ELECTIVES**ANCIENT WORLD HISTORY H**

LEVEL: 9-10-11-12
 HONORS COLLEGE PREP
 CREDIT: .5 ONE SEMESTER

Prerequisite: Approval of English and Social Studies Departments based upon student's performance review.

This course is for the above-average student and will significantly challenge even those who excelled in middle school social studies classes.

This class will survey the history of the world in depth from the dawn of civilization up to the start of the Middle Ages (approximately 500 C.E.). The first cradles of civilization will be studied as will such classical empires as Greece, Rome, India, and China. Among the topics discussed will be the formation of societies including government, law, and economic systems, the formation and role of religions, and comparison of cultures in these societies. The interpretation of history, its application to the world, and the analysis of the connections between past, present, and future are among the cognitive skills taught. Emphasis is placed on the study skills of independent reading, critical note-taking, and interpretive writing.

ANCIENT WORLD HISTORY

LEVEL: 9-10-11-12
 UPPER COLLEGE PREP
 CREDIT: .5 ONE SEMESTER

This class will survey the history of the world in depth from the dawn of civilization up to the start of the Middle Ages (approximately 500 C.E.). The first cradles of civilization will be studied as will such classical empires as Greece, Rome, India, and China. Among the topics discussed will be the formation of societies including government, law, and economic systems, the formation and role of religions, and the comparison of cultures in these societies. Study skills such as independent reading of texts and other documents, note-taking, critical thinking, and expository writing will all be emphasized.

GEOGRAPHY

LEVEL: 9-10-11-12
 UPPER COLLEGE PREP
 CREDIT: .5 ONE SEMESTER

Prerequisite: NONE

This course centers on the study of world geography. It includes a study of the student's physical world as well as the cultural aspects of the continents, focusing on North America. The student examines, researches, and creates projects on areas of the world describing climate and economic and social structures. Using charts, maps, and globes, the student acquires knowledge of the continents, oceans, islands, and major nations of the world. The student compares and contrasts the different lifestyles found in countries, as influenced by the geography of the area. The student evaluates challenging problems in the world using the basics of geography. Thus, the student acquires a global perspective on problems such as hunger, pollution, diseases, political alliances, and military conflicts.

20TH CENTURY WORLD (1945-present)

LEVEL: 9-10 OR 11-12
 UPPER COLLEGE PREP
 CREDIT: .5 ONE SEMESTER

Prerequisite: NONE

This course introduces students to many of the basic themes, theories and problems in the twentieth and twenty-first century worlds such as governance, conflict, and human rights. Students will apply historical analysis and inquiry skills to some of the major events of this past century. The class focuses on the events, providing students with both historical background and the conceptual tools for understanding those events. In the process, they will identify major trends in national behavior, focusing on the motivations for and impacts of such trends. The goal is to give students the perspective necessary for better understanding our world today.

This course uses readings from multiple sources and focuses on analysis, writing, and extensive class discussion and debate.

Students are placed in either freshman/sophomore or junior/senior sections in order to facilitate discussion among peers.

THE HOLOCAUST AND GENOCIDE IN THE MODERN WORLD

LEVEL: 10-11-12
 UPPER COLLEGE PREP
 CREDIT: .5 ONE SEMESTER

Prerequisite: Current achievement of 70% or higher in any social studies course OR approval of English and Social Studies Departments based upon student's performance review.

This class is designed for the history student who would like to probe a narrower topic in greater depth than the traditional survey course. This class will define genocide, drawing primarily on examples from the 20th century. Students will then focus on the rise of Nazism and the staging of the Holocaust, including its roots in earlier anti-Semitism. The responses to and results of the Holocaust in the second half of the 20th century will also be examined with the goal of ultimately looking at contemporary issues of genocide on a world-wide basis and responses to them.

Students will engage in reflective thinking and will be expected to participate in discussion and sharing of ideas. In addition to reading from various documents and writing, students may be expected to engage in various research projects during the term.

SOCIOLOGY

LEVEL: 10-11-12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER

Prerequisite: NONE

This course examines the principles and social structures of various cultures. The course focuses on developing the students' ability to analyze human similarities and differences. Students read primary and secondary source material as well as examine data in graph and table form in order to apply sociological concepts to problems and everyday activities.

An emphasis is placed on lecture and discussion in large and small groups. The students are also required to research topics dealing with themes in sociology. They identify social and moral issues, examine different cultures, and develop a cultural awareness.

CHICAGO HISTORY & CULTURE

LEVEL: 11-12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER

Prerequisite: NONE

This course is a survey of the geography, history and culture of the city of Chicago.

It focuses on the importance of Chicago in the development of the metropolitan area, the state of Illinois, the Midwest, the nation and the global community. Course resources include various websites, current news articles, selected readings, interviews, photographs, videos, primary sources, virtual field trips and a class trip to Chicago. Students will learn about the people, places and events that shaped the city and its neighborhoods: early settlers; immigrants; politicians; religious leaders; business and labor leaders; educators; entertainers; athletes; artists; architects; historic buildings; the lakefront; transportations centers; disasters; major crimes; festivals and fairs; social movements; and the role of the Catholic Church in the growth and development of the city. Students will discuss the

importance of civic values in the local community with an emphasis on the value of diversity and cooperation during times of conflict and change.

This course is inter-disciplinary in approach. Students will demonstrate the interaction of geographic, socio-cultural, political and economic forces. This course will help the students develop their critical and creative thinking skills, oral and written communication skills, time management and problem solving skills.

PSYCHOLOGY FOR LIFE

LEVEL: 11-12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER

Prerequisite: NONE

Why do we behave the way we do? What causes depression? How do people communicate differently? How do we develop? This course is an introductory course that places special emphasis on the area of Social Psychology. Students will cover topics that include: child development, adolescent behavior, old age and dying, motivation, emotion, attitudes and how they influence our beliefs, personality theories, mental health and mental illness, therapies as well as the influential studies in Social Psychology. Students in Psychology for Life will gain an insight into self-understanding as well as other people's behavior. After completing the course, students will acquire the practical knowledge that can be used to understand, predict and control human behavior.

THE STORY OF THE MIDDLE EAST

LEVEL: 11-12
UPPER COLLEGE PREP
CREDIT: .5 ONE SEMESTER

Prerequisite: NONE

This course focuses on the historical, religious, and cultural lives of those inhabiting one of the most politically sensitive areas of the world. Students will look at the historical roots of civilization, the three Abrahamic religious constructs, the development of the area leading into

the modern era, and then focus on the 20th and 21st centuries. The establishment of the modern nations, their interconnections and rivalries, and the lifestyles of their people would all be looked at. The course should enhance and supplement students' knowledge of factual material, organization, and writing skills; but more importantly will guide students to develop their analytical abilities and understanding of today's world.

HONORS EUROPEAN HISTORY

LEVEL: 11-12
HONORS COLLEGE PREP
CREDIT: 1 ONE YEAR

Prerequisite: Minimum of 70% average in AP or Honors U.S. History and/or AP or Honors World History OR a minimum of 90% average in U.S. History and/or World History AND approval of Social Studies Department based upon student's performance review.

This course presents students with an in-depth study of the political, economic, religious, intellectual, and social themes in European history from the Renaissance through the twentieth century. The course will develop students' knowledge of factual material as well as their analytical thinking abilities and writing skills. Students are required to complete readings from the text, historical documents, and selected essays. This course challenges students to examine important facets of European history through the use of primary and secondary sources. Students may be expected to complete a major research paper as well as other essays and oral presentations.

SOCIAL STUDIES

AP COMPARATIVE GOVERNMENT AND POLITICS

LEVEL: 12
ADVANCED PLACEMENT
CREDIT: .5 ONE SEMESTER
FEE: \$100
Fee includes the AP Exam.

Prerequisite: AP US History or Honors US History plus instructor approval.

This course introduces students to the fundamental concepts used by political scientists to study the processes and outcomes of politics in a variety of country settings, providing the students with a comparative framework to explore the diversity of political life around the globe.

At the completion of this course, students will understand how the governmental structure and political operations in China, Great Britain, Iran, Mexico, Nigeria, and Russia differ from our own. Students will begin to compare and contrast political institutions and processes across countries.

AP EUROPEAN HISTORY

LEVEL: 11-12
ADVANCED PLACEMENT
CREDIT: 1 ONE YEAR
FEE: \$100
Fee includes the AP Exam.

Prerequisite: 70% average or higher in another Advanced Placement class within the Social Studies Department OR 90% average in honors social studies coursework AND approval of Social Studies Department based upon student's application/ performance review.

This course presents students with an in-depth study of the political, economic, religious, intellectual, and social themes in European history from the Renaissance through the twentieth century.

The course is designed to develop students' knowledge of factual material, as well as their analytical thinking abilities and organization and writing skills. The course is constructed to address the themes and concepts of European history at the introductory college level. As such, students will be expected to do more projects and presentations than students in an honors level class and will be held to more rigorous standards. Students are required to complete readings from the text, excerpts from related books, historical documents, and selected essays. Students develop their writing skills through analytical essays of interpretation, comparison, and criticism.

This course is designed to prepare students for the Advanced Placement test. Students complete a major research paper, responses to articles and historical documents, as well as essays and oral presentations. This course challenges students to examine important facets of European history through the use of primary and secondary sources. A summer reading list may be completed.

Students will be required to take the AP European History exam.

AP PSYCHOLOGY

LEVEL: 11-12
ADVANCED PLACEMENT
CREDIT: 1 ONE YEAR
FEE: \$100
Fee includes the AP Exam.

Prerequisite: 70% average or better in another Advanced Placement class within the Social Studies Department OR 90% average in Honors U.S. History AND approval of Social Studies Department based upon student's application/ performance review.

This AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their Science and practice.

At the completion of this course, students will find themselves asking more questions and having fewer answers. In addition to having a greater appreciation for their own human experience, students will begin to think more critically, demand more evidence, and keep an open mind to research that runs counter to their own beliefs and intuition!

The AP Psychology exam will be based on the instructor's recommendation.

WORLD LANGUAGES**CHINESE****CHINESE I H**

LEVEL: 9-10-11-12
 HONORS COLLEGE PREP
 CREDIT: 1 ONE YEAR
 FEE: \$20
 Fee is for the AAPPL Proficiency Exam

Prerequisite: Concurrent enrollment in Honors or UCP English.

Chinese I is the first year of a four-year introduction to Mandarin Chinese, the official language of mainland China and Taiwan. It provides students with a firm foundation in the basics of contemporary Chinese language and culture. Emphasis is on the writing of simplified Chinese characters to create simple sentences and the familiarization with traditional characters. Students will be required to read and write approximately 150 Chinese characters. Oral proficiency in Chinese is based on an understanding of the characteristic tones and Pinyin (phonetic transliteration system for the sounds of Chinese). Topics discussed include greetings, family, times and dates, hobbies, visiting friends, making appointments and school life. Students develop listening, speaking, reading, and writing skills in class by practicing them in real life situations. Although class will be conducted almost entirely in English, students are encouraged to speak Chinese in class.

CHINESE II H

LEVEL: 9-10-11-12
 HONORS COLLEGE PREP
 CREDIT: 1 ONE YEAR
 FEE: \$20
 Fee is for the AAPPL Proficiency Exam

Prerequisite: Successful completion of Chinese I H AND approval of Chinese teacher based upon the student's performance review.

Chinese II Honors is the second year of a four-year introduction to Mandarin Chinese. Students will continue to develop their foundation in the basics of contemporary Mandarin Chinese and the Chinese culture. Another 150 Chinese

characters will be introduced into their vocabulary as well as new grammar structures. Topics addressed are shopping, transportation, weather, dining, asking directions, birthday parties, seeing a doctor, and dating. Multiple daily activities and instructional strategies will allow students to further develop listening, speaking, reading, and writing skills. Students are required to speak the target language in class. Short research projects are included in every lesson to enhance cultural studies.

CHINESE III H

LEVEL: 9-10-11-12
 HONORS COLLEGE PREP
 CREDIT: 1 ONE YEAR
 FEE: \$20
 Fee is for the AAPPL Proficiency Exam

Prerequisite: Successful completion of Chinese II AND approval of Chinese teacher based upon student's performance review.

Chinese III Honors is the third year of a four-year introduction to Mandarin Chinese. Students will continue to develop their foundation in the basics of contemporary Mandarin Chinese and the Chinese culture. Building upon their mastery of Chinese characters, the students will be able to read and write another 150 characters. Topics addressed are renting an apartment, sports, travel, and at the airport. Multiple daily activities and instructional strategies will allow students to further develop listening, speaking, reading and writing skills. Students are required to speak the target language in class. Short research projects are included in every lesson to enhance cultural studies. Units include the Chinese holidays: Chinese New Year, Mid-Autumn Festival and the Dragon Boat Festival.

ADVANCED CHINESE IV H

LEVEL: 9-10-11-12
 HONORS COLLEGE PREP
 CREDIT: 1 ONE YEAR
 FEE: \$20
 Fee is for the AAPPL Proficiency Exam

Prerequisite: Successful completion of Chinese III AND approval of Chinese

teacher based upon student's performance review.

Chinese IV is a continuation of Chinese III. This course further extends student's knowledge of Chinese vocabulary and grammar, and improves their skills in speaking, listening, reading, and writing. Students will gain a deeper understanding of Chinese culture. Class will be conducted entirely in the target language. Vocabulary will be increased by approximately 500 characters. Class will focus upon learning Chinese customs, proverbs, folk tales and traditions; reading short stories about famous Chinese-Americans; understanding beyond basic dialogues; mastering the fundamentals of Chinese grammar; discussing Chinese culture and traditions; and speaking fluent Chinese.

There will also be an opportunity for students to take the Chinese AP exam.

CHINESE 101 – DUAL CREDIT OPTION

LEVEL: 11-12
 DUAL CREDIT OPTION
 CREDIT: 1 ONE YEAR
 FEE: \$20
 Fee is for the AAPPL Proficiency Exam

Prerequisite: Currently enrolled in junior or senior year, have a cumulative GPA of 3.0 or higher, have a letter of recommendation that certifies academic standing.

Chinese 101 is available as a dual credit course. This introduction to Mandarin Chinese, the official language of mainland China and Taiwan, will be taught using a college-level curriculum and assessments that meet Loyola's standards for content, quality, and rigor. Students will begin their introduction to the language by learning the Pinyin (phonetic transliteration system for the sounds of Chinese) and four tones. Emphasis is on the writing of simplified Chinese characters to create simple sentences and the familiarization with traditional characters. Topics discussed include greetings, family, times and dates, hobbies, visiting friends, making appointments, studying Chinese, school life, shopping, and transportation.

FRENCH**FRENCH I H**

LEVEL: 9-10-11-12
 HONORS COLLEGE PREP
 CREDIT: 1 ONE YEAR
 FEE: \$20
 Fee is for the AAPPL Proficiency Exam

Prerequisite: The French proficiency assessment is required for placement of all students with prior experience in French. Concurrent enrollment in Honors English.

This course provides the students with an introduction to the French language. It promotes verbal and nonverbal communication skills in French and the use of the language in familiar settings. The students learn about cultural differences, and they learn to be more tolerant and respectful of other people's views. Listening, speaking, reading, and writing skills are developed in the French language. Emphasis is on conversational vocabulary and correct pronunciation. Simple grammatical structures are introduced.

FRENCH I

LEVEL: 9-10-11-12
 UPPER COLLEGE PREP
 CREDIT: 1 ONE YEAR
 FEE: \$20
 Fee is for the AAPPL Proficiency Exam

Prerequisite: The French proficiency assessment is required for placement of all students with prior experience in French. Concurrent enrollment in UCP English.

This course provides the students with an introduction to the French language. It promotes verbal and nonverbal communication skills in French and the use of the language in familiar settings. The students learn about cultural differences, and they learn to be more tolerant and respectful of other people's views. Listening, speaking, reading, and writing skills are developed in the French language. Emphasis is on conversational vocabulary and correct pronunciation. Simple grammatical structures are introduced.

FRENCH II H

LEVEL: 9-10-11-12
 HONORS COLLEGE PREP
 CREDIT: 1 ONE YEAR
 FEE: \$20
 Fee is for the AAPPL Proficiency Exam

Prerequisite: Minimum achievement of 70% in French I Honors AND approval of the World Languages Department based upon student's performance review.

This course is conducted in French and concentrates on promoting more complex linguistic ability by learning a wide selection of vocabulary and applying progressively intricate language structures. The emphasis is on correct grammar, vocabulary development, and accurate pronunciation. It promotes verbal and non-verbal communication skills while using language in situational contexts. Writing skills are broadened. Students compare and contrast their culture with that of the French-speaking people of the world. Interpersonal and presentational based tasks and assessments will help students to better communicate in the target language.

FRENCH II

LEVEL: 9-10-11-12
 UPPER COLLEGE PREP
 CREDIT: 1 ONE YEAR
 FEE: \$20
 Fee is for the AAPPL Proficiency Exam

Prerequisite: Minimum achievement of 70% in French I UCP AND approval of the World Languages Department based upon student's performance review.

This course is conducted heavily in French. The beginning of this course is based on intense review from the previous year. This course develops and expands the vocabulary, grammar, and pronunciation taught in French I UCP. Basic skills continue to be stressed. Students learn to exchange information, and to maintain simple conversations in French. Students read and comprehend short reading selections and improve basic writing skills. Cultural comparisons enable the students to appreciate and understand the uniqueness of other cultures as well as their own.

WORLD LANGUAGES

FRENCH III H

LEVEL: 9-10-11-12
HONORS COLLEGE PREP
CREDIT: 1 ONE YEAR
FEE: \$20
Fee is for the AAPPL Proficiency Exam

Prerequisite: Minimum achievement of 70% in French II Honors AND approval of the World Languages Department based upon student's performance review.

This course is conducted in French and incorporates the four balanced-skills approach of the earlier levels: listening, speaking, reading, and writing. Communication among classmates is also entirely in French. Vocabulary and grammar from earlier levels are reviewed, refined, and expanded. Emphasis is placed on broadening and enhancing conversation, grammar, reading, and composition skills. The students read and listen to materials based on the six AP themes: Global Challenges, Science and Technology, Contemporary Life, Personal and Public Identities, Families and Communities, and Beauty and Aesthetics. Students become familiar with the differences between their culture and that of the French-speaking world through communicative assessments.

FRENCH III

LEVEL: 9-10-11-12
UPPER COLLEGE PREP
CREDIT: 1 ONE YEAR
FEE: \$20
Fee is for the AAPPL Proficiency Exam

Prerequisite: Minimum achievement of 70% in French II UCP AND approval of the World Languages Department based upon student's performance review.

This course is conducted in French and concentrates on promoting more complex linguistic ability by learning a broader selection of vocabulary and applying progressively intricate language structures. The emphasis is on correct grammar, vocabulary development, and accurate pronunciation. It promotes verbal and non-verbal communication skills while using language in situational contexts. Writing skills are broadened. Students compare and contrast their culture with that of the French-speaking people of the world.

Based on enrollment, students in French III may be grouped with French IV.

FRENCH IV

LEVEL: 10-11-12
HONORS COLLEGE PREP
CREDIT: 1 ONE YEAR
FEE: \$20
Fee is for the AAPPL Proficiency Exam

Prerequisite: Minimum achievement of 70% in French III UCP AND approval of the World Languages Department based upon student's performance review.

This course is conducted in French and incorporates the four balanced-skills approach of the earlier levels: listening, speaking, reading, and writing. Vocabulary and grammar from earlier levels are reviewed, refined, and expanded. Emphasis is placed on broadening and enhancing conversation, grammar, reading, and composition skills. The students read materials based on a selection of current periodicals, portions of classic literature, and cultural readings. Students become familiar with the differences between their culture and that of the French speaking world.

Based on enrollment, students in French IV may be grouped with French III.

AP FRENCH LANGUAGE AND CULTURE

LEVEL: 11-12
ADVANCED PLACEMENT
CREDIT: 1 ONE YEAR
FEE: \$100
Fee includes the AP Exam.
FEE: \$20
Fee is for the AAPPL Proficiency Exam

Prerequisite: Minimum achievement of 70% in French III Honors AND approval of the World Languages Department based upon student's performance review.

This course is conducted in French. Communication among classmates is also entirely in French. The AP course provides students with opportunities to increase their proficiency in each of the three modes of communication assessed in the AP French Language and Culture examination: interpersonal, interpretive, and presentational. The course takes a holistic approach to language proficiency and recognizes the interrelatedness of comprehension and comprehensibility, vocabulary usage, language control, communication strategies, and cultural awareness. The course acquaints the students with six overarching themes: Global Challenges, Science and Technology, Contemporary Life, Personal and Public Identities, Families and Communities, and Beauty and Aesthetics.

The students are expected to compare their own culture with the culture and experiences of the French-speaking world both through presentational writing and speaking. The course prepares students to participate interpersonally through formal and informal conversations as well as correspondences.

Students will be required to take the French Language and Culture AP Exam.

GREEK

ATTIC GREEK I

LEVEL: 9-10-11-12
UPPER COLLEGE PREP

CREDIT: 1 ONE YEAR

Prerequisite: No prerequisites needed, but students who have had Latin would have strong preparation for the course.

This course will be an introduction to the vocabulary, grammar, and skills needed to read and understand Attic Greek. In addition to developing a reading knowledge of the language, there will be an emphasis on learning and indentifying Greek derivatives present in English vocabulary. Further, students will learn about the development of Greek civilization, including politics, daily life, philosophy, theatre, and religion. The class will become aware of Greek influence on American society as well as Christian history.

WORLD LANGUAGES

LATIN

LATIN I H

LEVEL: 9-10-11-12
HONORS COLLEGE PREP
CREDIT: 1 ONE YEAR

Prerequisite: The Latin proficiency assessment is required for placement of all students with prior experience in Latin. Concurrent enrollment in Honors English.

This is an introductory course and requires no prior knowledge of Latin. It stressed vocabulary study, derivation of English vocabulary, basic grammatical structures, and simple readings based on Roman and Greek mythology, Roman history, civilization, and culture are emphasized. Students become aware of the impact of Roman civilization upon American government, architecture, and art. The students also do independent projects, additional readings, and research.

LATIN I

LEVEL: 9-10-11-12
UPPER COLLEGE PREP
CREDIT: 1 ONE YEAR

Prerequisite: The Latin proficiency assessment is required for placement of all students with prior experience in Latin. Concurrent enrollment in English UCP.

This is an introductory course stressing the basic skills necessary for reading and comprehending Latin. Vocabulary study, derivation of English vocabulary, basic grammatical structures and simple readings based on Roman and Greek mythology, Roman history, civilization, and culture are emphasized. Students become aware of the impact of Roman civilization upon American government, architecture, and art.

LATIN I CP

LEVEL: 9
COLLEGE PREP
CREDIT: 1 ONE YEAR

Prerequisite: NONE

This is an introductory course stressing the basic skills necessary for reading and comprehending Latin while focusing on enhancing students understanding of the English language. Vocabulary study, derivation of English vocabulary, basic grammatical structures and simple readings based on Roman and Greek mythology, Roman history, civilization, and culture are emphasized. Students become aware of the impact of Roman civilization upon American government, architecture, and art.

LATIN II H

LEVEL: 9-10-11-12
HONORS COLLEGE PREP
CREDIT: 1 ONE YEAR

Prerequisite: Minimum achievement of 70% in Latin I Honors AND approval of the World Languages Department based upon student's performance review.

This course emphasizes second-year grammar, especially the subjunctive mode and its clauses, during the first semester. In addition, selected elements of the Roman culture from the first century B.C. are included. During the second semester the writings of Caesar and Cicero are translated and analyzed. Their political positions are studied.

The student does independent projects, additional readings, and research.

LATIN II

LEVEL: 9-10-11-12
UPPER COLLEGE PREP
CREDIT: 1 ONE YEAR

Prerequisite: Minimum achievement of 70% in Latin I UCP AND approval of the World Languages Department based upon student's performance review. It is expected that vocabulary and grammar from the previous language course have been retained so that there is an appropriate foundation for further study.

This course emphasizes second-year grammar, especially the subjunctive mode and its clauses, during the first semester. In addition, selected elements of culture from the first century B.C. are included. During the second semester the writings of Caesar and Cicero are translated and analyzed for similarities. Their political positions are studied.

LATIN III H

LEVEL: 9-10-11-12
HONORS COLLEGE PREP
CREDIT: 1 ONE YEAR

Prerequisite: Minimum achievement of 70% in Latin II AND approval of the World Languages Department based upon student's performance review. It is expected that general vocabulary and grammar from previous courses have been retained so that there is an appropriate foundation for further study.

This course incorporates the basic skills of reading and translating and examining complex grammar/syntax sentence structures in authentic Latin through primary sources from Horace, Sallust, Cicero, Ovid and Lucretius. The philosophical, political and religious influences for the late Roman Republic through the beginning of the Augustan Age are also examined.

LATIN – DUAL CREDIT

LEVEL: 11-12
DUAL CREDIT OPTION
CREDIT: 1 ONE YEAR

Prerequisite: B or better in Latin III Honors.

This course focuses on the literature and society of Rome at the time of Julius Caesar, in particular translation of selected readings from such authors as Catullus, Sallust, Caesar and Cicero. We will divide these readings into the themes of love and war. After this course, students should be able to translate accurately the selected readings, analyze and appreciate their style and content, and demonstrate knowledge and understanding of their contexts and meanings.

This course is available as a dual credit course. Students can earn college level credit while at the same time fulfilling graduation requirements.

WORLD LANGUAGES

SPANISH

SPANISH I H

LEVEL: 9-10-11-12
HONORS COLLEGE PREP
CREDIT: 1 ONE YEAR
FEE: \$20
Fee is for the AAPPL Proficiency Exam

Prerequisite: The Spanish proficiency assessment is required for placement for all students with previous Spanish background in elementary and middle school. Concurrent enrollment in Honors English.

This course requires no prior knowledge of Spanish. It is conducted primarily in Spanish. This course will introduce the student to the Spanish language via topics relating to basic introductions, everyday life, travel, etc.

Students will develop skills in the language via the presentational, interpretive, and interpersonal modes of communication.

Emphasis is placed on building the student's confidence to able to read and understand Spanish and how to learn in an immersion environment.

Emphasis is placed on building the student's confidence to able to read and understand Spanish and how to learn in an immersion environment.

SPANISH I

LEVEL: 9-10-11-12
UPPER COLLEGE PREP
CREDIT: 1 ONE YEAR
FEE: \$20
Fee is for the AAPPL Proficiency Exam

Prerequisite: The Spanish proficiency assessment is required for placement for all students with previous Spanish background in elementary and middle school. Concurrent enrollment in English UCP or Honors.

This course provides the students with an introduction to the Spanish language. It promotes verbal and nonverbal communication skills and the use of the language in familiar settings.

Students will develop skills in the language via the presentational, interpretive, and interpersonal modes of communication.

This class builds the students' confidence to able to read and understand Spanish.

Emphasis is placed on developing the communicative competencies (especially grammatical and strategic competence) that will be needed in further study of the Spanish language.

SPANISH I

LEVEL: 9-10
COLLEGE PREP
CREDIT: 1 ONE YEAR
FEE: \$20
Fee is for the AAPPL Proficiency Exam

Prerequisite: The Spanish proficiency assessment is required for placement for all students with previous Spanish background in elementary and middle school. Enrollment in English CP. Approval of World Languages Department based upon need for reading, language, and grammatical scaffolding as indicated by standardized tests.

Note - this course is part of a 2 year language sequence. It will not build the proper foundation for a 3 or 4 year sequence of language.

This course provides the students with an introduction to the Spanish language. It promotes verbal and nonverbal communication skills and the use of the language in familiar settings.

Students will develop skills in the language via the presentational, interpretive, and interpersonal modes of communication.

Emphasis is placed on making the student comfortable with interacting with input (reading, listening) and understanding the language.

This course will be taught at a slower pace and will be geared towards students with learning differences or those who prefer more individualized instruction. Students will be given more opportunities to learn at their own pace.

WORLD LANGUAGES

SPANISH II H

LEVEL: 9-10-11-12
HONORS COLLEGE PREP
CREDIT: 1 ONE YEAR
FEE: \$20
Fee is for the AAPPL Proficiency Exam

Prerequisite: Minimum achievement of 70% in Spanish I Honors AND approval of the World Languages Department based upon student's performance review.

It is expected that vocabulary and structures from the previous language course have been retained so that there is an appropriate foundation for further study.

This course is conducted in Spanish and concentrates on challenging the student further in an immersion environment. Writing skills are broadened and students are given more presentational speaking tasks.

More emphasis is placed on developing socio-linguistic competence. Students compare and contrast their culture with that of the Spanish-speaking people of the world.

SPANISH II

LEVEL: 9-10-11-12
UPPER COLLEGE PREP
CREDIT: 1 ONE YEAR
FEE: \$20
Fee is for the AAPPL Proficiency Exam

Prerequisite: Minimum achievement of 70% in Spanish I UCP AND approval of the World Languages Department based upon student's performance review. It is expected that vocabulary and structures from the previous language course have been retained so that there is an appropriate foundation for further study.

This course is conducted primarily in Spanish. This course develops and expands language acquired in Spanish I UCP.

Interpretive skills continue to be stressed.

Students learn to exchange information, and maintain simple conversations in Spanish via interpersonal tasks. Students read and comprehend short reading selections and level-appropriate novels. Students improve basic writing skills. Cultural comparisons enable the students to appreciate and understand the uniqueness of other cultures as well as their own.

SPANISH II

LEVEL: 10-11-12
COLLEGE PREP
CREDIT: 1 ONE YEAR
FEE: \$20
Fee is for the AAPPL Proficiency Exam

Prerequisite: Minimum achievement of 70% in Spanish I CP AND approval of the World Languages Department based upon student's performance review.

Note - this course is part of a 2 year language sequence. It will not build the proper foundation for a 3 or 4 year sequence of language!

This course is the continuation of the Spanish I CP curriculum and intended for students who need more differentiated instruction and pacing than in the UCP program. This course continues to provide the student with an opportunity to build on material learned in the previous Spanish course at a pace well-suited for students who need a slower pace in foreign language instruction.

This course moves at a slower pace to accommodate student's needs. It promotes verbal and non-verbal communication skills while building on previous understanding of the language.

WORLD LANGUAGES

SPANISH III H

LEVEL: 9-10-11-12
HONORS COLLEGE PREP
CREDIT: 1 ONE YEAR
FEE: \$20
Fee is for the AAPPL Proficiency Exam

Prerequisite: Minimum achievement of 70% in Spanish II Honors AND approval of the World Languages Department based upon student's performance review.

It is expected that vocabulary and structures from the previous language course have been retained so that there is an appropriate foundation for further study.

This course is conducted in Spanish and incorporates the four balanced-skills approach of the earlier levels: listening, speaking, reading, and writing. Vocabulary and structures from earlier levels are reviewed, refined, and expanded.

Emphasis is placed on broadening and enhancing conversation, reading, and composition skills. The students read materials based on a selection of current periodicals, portions of classic literature, and cultural readings. Students become familiar with the culture of the Spanish-speaking world.

SPANISH III

LEVEL: 9-10-11-12
UPPER COLLEGE PREP
CREDIT: 1 ONE YEAR
FEE: \$20
Fee is for the AAPPL Proficiency Exam

Prerequisite: Minimum achievement of 70% in Spanish II UCP AND approval of the World Languages Department based upon student's performance review.

This course is conducted in Spanish and concentrates on helping students to apply the Spanish they have acquired in previous levels in presentational and interpersonal writing and speaking tasks. Emphasis is placed in further developing strategic and sociolinguistic competence.

The students read materials based on a variety of readings including: current periodicals, portions of classic literature, cultural readings, and level-appropriate novels.

It promotes verbal and non-verbal communication skills while using language in situational contexts. Writing skills are broadened. Students compare and contrast their culture with that of the Spanish-speaking people of the world.

AP SPANISH LANGUAGE AND CULTURE

LEVEL: 11-12
ADVANCED PLACEMENT
CREDIT: 1 ONE YEAR
FEE: \$120
Fee includes the AP Exam and the AAPPL Exam.

Prerequisite: Minimum achievement of 70% in Spanish III Honors AND approval of the World Languages Department based upon student's performance review.

It is expected that vocabulary and structures from the previous language course have been retained so that there is an appropriate foundation for further study.

This course is conducted exclusively in Spanish. Students are taught to read critically, synthesize, argue and express themselves in the target language. An emphasis is placed on speaking, reading, listening and writing. The course acquaints the student with six overarching themes: Family and Community, Global Challenges, Science and Technology, Beauty, Art and Identity.

The students are expected to compare their own culture with the culture and experiences of the Spanish-speaking world. The course prepares students to participate in formal and informal dialogues as well as interpersonal and formal correspondence.

Students will be required to take the Spanish Language AP exam.

WORLD LANGUAGES

SPANISH - DUAL CREDIT

LEVEL: 11-12
DUAL CREDIT OPTION
CREDIT: 1 ONE YEAR
FEE: \$20
Fee is for the AAPPL Proficiency Exam

Prerequisite: Currently enrolled in junior or senior year, have a cumulative GPA of 3.0 or higher, have a letter of recommendation that certifies academic standing.

Dual Credit Spanish is for students who have maintained a high level of proficiency in reading, writing, speaking, and listening throughout Spanish 1-3, and who wish to build upon these communicative competencies through not only an exploration of advanced grammatical structures, but also of authentic products and practices from the cultures surrounding the target language. Students in this class can expect to improve upon their interpretive, interpersonal, and presentational skills while discussing their own perspectives on the themes studied.

This course will be conducted exclusively in Spanish, and students will be responsible for preparing for class by reading short texts, watching films and/or documentaries, conversing with their language exchange partners, and also completing activities that familiarize them with new grammar points.

SPANISH IV H

LEVEL: 10-11-12
HONORS COLLEGE PREP
CREDIT: 1 ONE YEAR
FEE: \$20
Fee is for the AAPPL Proficiency Exam

Prerequisite: Minimum achievement of 70% in Spanish III Honors AND approval of the World Languages Department based upon student's performance review. It is expected that vocabulary and grammar from the previous language course have been retained so that there is an appropriate foundation for further study.

This course is conducted in exclusively in Spanish and incorporates the rigorous review and development of the following skills: listening, speaking, reading, and writing. Vocabulary and grammar from earlier levels are reviewed, refined, and expanded.

Particular emphasis is placed on broadening and enhancing conversation, critical reading, and essay writing skills. Students read authentic materials. Students become familiar with the differences between their culture and that of the Spanish-speaking world.

SPANISH IV

LEVEL: 10-11-12
UPPER COLLEGE PREP
CREDIT: 1 ONE YEAR
FEE: \$20
Fee is for the AAPPL Proficiency Exam

Prerequisite: Minimum achievement of 70% in Spanish III UCP AND approval of the World Languages Department based upon student's performance review.

It is expected that vocabulary and structures from the previous language course have been retained so that there is an appropriate foundation for further study.

This course is conducted in Spanish with a focus on improving students reading, writing and speaking abilities and further developing communicative competence. Language acquired in previous years of study is expanded and applied through presentational and interpersonal speaking tasks.

Students interact with Spanish-speaking cultures via a selection of novels, current periodicals, and cultural readings.

The pace and content of the course are aligned with UCP language courses offered in the department.

EARLY DISMISSAL

**EARLY DISMISSAL –
ONE SEMESTER**

LEVEL: 12 ONE SEMESTER

Prerequisite: Concurrent enrollment or completion of all courses and credits to qualify for graduation.

The development of each student's schedule will determine whether he/she will have early dismissal during semester 1 or 2. Preference of one over the other can not be guaranteed. If an academic course a student wishes to schedule is offered only G period, then the academic course will have priority over scheduling Early Dismissal.

Early dismissal students will be dismissed from school after period F. These students must leave the academic hallways.

**EARLY DISMISSAL –
ALL YEAR**

LEVEL: 12 ONE YEAR

Prerequisite: Concurrent enrollment or completion of all courses and credits to qualify for graduation.

The development of each student's schedule will determine whether he/she will have early dismissal. If an academic course a student wishes to schedule is offered only G period, then the academic course will have priority over scheduling Early Dismissal.

Early dismissal students will be dismissed from school after period F. These students must leave the academic hallways.



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