

UPPER SCHOOL

# COURSE CATALOG



2026-27  
SCHOOL  
YEAR

## CLASS DESCRIPTIONS

DISCOVER THE COURSES AVAILABLE  
FOR YOUR STUDENT



SAINT EDWARD'S  
SCHOOL

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# ENGLISH COURSES



## ENGLISH 9 HONORS

**Prerequisite:** N/A

**Grade Level(s):** 9

**Description:** English 9 Honors exposes ninth-grade students to a variety of literary genres, including short fiction, novels, memoir, graphic novels, poetry and drama. While they study the major conventions of these genres, the main focus of the course is to encourage the students' ability to read and analyze texts critically. They develop these skills

primarily through writing and discussion, benefitting from analytical, reflective and creative assignments that invite them first to develop and then to express their own perspectives on a given topic. In addition to reading comprehension and writing, the course focuses on grammar, vocabulary, research and speech skills. All students complete a persuasive speech unit.

## ENGLISH 10 HONORS

**Prerequisite:** N/A

**Grade Level(s):** 10

**Description:** English 10 Honors challenges students to explore man's search for identity, purpose and meaning while preparing them for the demands of Advanced Placement and college-level English courses. Students engage with significant world literature—novels, short stories and poems—and compelling nonfiction, enhanced by audiovisual experiences. These texts spark deep analysis of complex ideas, recurring themes and deliberate author choices. Through varied assignments—quizzes, reflections, essays, projects and presentations—students blend creativity with critical insight. Literary analysis anchors writing instruction, empowering students to build clear, compelling arguments supported by precise textual evidence. A key component is the ongoing digital writing portfolio, in which students document their evolving skills and reflect on their personal growth. Additionally, students strengthen their command of vocabulary, advanced grammar concepts and literary terminology. The course also incorporates strategies for standardized test success, with guided practice and simulated testing conditions to build confidence and preparedness.





## AP SEMINAR (ELECTIVE)

**Prerequisite:** N/A

**Grade Level(s):** 10

**Description:** AP Seminar is designed to engage students in interdisciplinary conversations exploring the complexities of academic and real-world topics through multiple perspectives. Founded upon the inquiry model, AP Seminar requires students to engage in literacy and research methods including analysis of articles,

research studies and seminal literary works; listening and viewing speeches, broadcasts and personal accounts; and experiencing artistic works and performances. The course teaches both independent and collaborative skills as students analyze and produce evidence-based academic arguments synthesizing information from multiple sources. Students also design and deliver oral and visual presentations articulating their researched solution to a line of inquiry. Course assessment is comprised of both internally- and externally-assessed components housed in the digital AP portfolio and culminates in the AP exam given by the College Board in May of the academic year.

## ENGLISH 11 HONORS

**Prerequisite:** English 10 H

**Grade Level(s):** 11

**Description:** English 11 Honors consists of a yearlong focus on close reading, analysis, evidence-based argumentation, public speaking and a study of the impact of historical and cultural contexts on writers and their texts. The course covers the development of multiple themes through various genre studies: novels, plays, short stories, essays, poetry and memoirs, and it also provides targeted SAT and ACT preparation through structured grammar and reading lessons. Students participate in a wide variety of learning activities, including empathetic argument in Harkness discussions, personal and collaborative presentations and cross-curricular studies and other experiential learning activities. The course also features a lab double block designed for extended writing support and development. At the end of the year, students will engage in drafting a college essay in preparation for the fall college application season. Participation in the annual Humorous Speech Competition is also a requirement.





## ENGLISH 12 HONORS

**Prerequisite:** English 11 H

**Grade Level(s):** 12

**Description:** English 12 Honors covers both classic literature and contemporary novels. Students use these texts to refine and hone their writing and analytical skills, preparing them for college. This class is discussion-based and includes collaborative group work to investigate relevant thematic issues. The

importance of close textual interpretation and thorough research will be emphasized. Assignments include both analytical and creative tasks, such as essays, poetry, personal reflections and memoirs. All students will complete a writing portfolio.

## AP ENGLISH LANGUAGE & COMPOSITION

**Prerequisite:** English 10 H or 11 H and teacher recommendation.

**Grade Level(s):** 11 & 12

**Description:** AP English Language and Composition prepares advanced students for the college level AP examination in English Language and Composition. Topics of study include language awareness (semantics, grammar and levels of usage) and language and literary analysis,

(sentence patterns, rhetorical structure, logic and style), as well as the influences of the writer's rhetorical situation on the creation of a work. Additional targeted instruction is provided for SAT and ACT grammar and reading assessments in the spring. Models used include the novel, essays, letters, editorials/columns, memoir and drama. Students must write both in-class essays under a time limit (to prepare for the AP) and out-of-class essays. Heavy emphasis is placed on close critical reading and analysis, evidence-based argument and synthesis of multiple perspectives as they inform issues shaping the texts, and students are expected to actively participate in cross-curricular thematic studies throughout the year with other academic disciplines. Active participation in empathetic argument through regular Harkness discussions is required, and students must maintain a writing portfolio. Participation in the annual Humorous Speech Competition is also a requirement.







## AP ENGLISH LITERATURE & COMPOSITION

**Prerequisite:** AP English Language and Composition and teacher recommendation.

**Grade Level(s):** 12

**Description:** AP English Literature and Composition is designed for advanced students interested in studying college-level material in the twelfth grade. The course prepares the students for the AP exam, mainly through the administration throughout the year of

sample essays from past AP exams. While studying works that focus on the issue of colliding worlds, students learn the distinguishing characteristics of different literary genres including epic, satire, tragedy, comedy, elegy, sonnet, etc. Also, students read works from the 16th century to the present to familiarize themselves with different conventions, sentence structures and vocabulary. Poetry is studied in one six-week unit, and reviewed again for a week before the exam. In addition, all students will complete an 8-10 page contemporary author term paper focusing on the theme of the text.

# FINE ARTS COURSES

## STUDIO ART I

**Prerequisite:** N/A

**Grade Level(s):** 9, 10, 11 & 12

**Description:** In this foundation art class, we promote the joy of art making through the practice of drawing, painting, printmaking, 2-D design and digital imaging. Students will develop their drawing skills, vocabulary and appreciation for art. We will explore the elements of art and principles of design through a variety of techniques and media. Each student will create a digital portfolio of artwork and develop their critical thinking during class critiques.





## STUDIO ART II

**Prerequisite:** Successful completion of Art I or at the discretion of the instructor.

**Grade Level(s):** 10 or at the instructor's discretion.

**Description:** Studio Art II is an advanced studio art class in which students will explore a variety of 2-D techniques and media, including drawing, painting, collage, mixed media and digital imaging. Subjects will

include figurative work, portraiture and the illusion of space. Students will research artists, providing points of departure for their own creations. Critiques will be a regular part of the class. Students will create slide portfolios and submit their work to local and national art competitions.

## PRE-AP ART

**Prerequisite:** Successful completion of Studio Art I & Studio Art II or at the discretion of the instructor.

**Grade Level(s):** 10 & 11

**Description:** Pre-AP Art is a studio art class in which students will begin an investigation of their own choosing in preparation for the AP Portfolio Class. This course allows students more time for unique labor-intensive artwork. The instructor will introduce a variety of techniques and media, including drawing, painting, collage, mixed media and digital imaging. The class will incorporate the Florida state standards: Critical Thinking and Reflection, Skills, Techniques and Processes. Critiques will be a regular part of the class every cycle. Students will create slide portfolios and submit their work to local and national art competitions.





## AP DRAWING

**Prerequisite:** Successful completion of Studio Art I and Studio Art II or at the discretion of the instructor.

**Grade Level(s):** 10, 11 & 12

**Description:** In AP Drawing, each student creates a unique body of work, known as an AP Portfolio. Throughout the course, students develop a sustained inquiry that guides art making through practice, experimentation and revision of

materials, processes and ideas, while demonstrating drawing skills through various media, including drawing, painting, printmaking, illustration and others. Students will share their work in critiques every cycle, in presentations each semester and in AP exhibits like our Reflections and Coffee House events. Students will create original works in their own visual voices. They will learn about appropriation, fair use and artistic integrity.

## AP 2-D ART & DESIGN

**Prerequisite:** Successful completion of Studio Art I and Studio Art II or at the discretion of the instructor.

**Grade Level(s):** 10, 11 & 12

**Description:** In this college-level art course, students will create AP Portfolios through “sustained investigation,” based on questions of the students’ own choosing, through practice, experimentation and revision. They will select and explore their media and techniques, guided by the instructor. Students will share their work in critiques every cycle, in presentations each semester and in AP exhibits like our Reflections and Coffee House events. Students will create original works in their own visual voices. They will learn about appropriation, fair use and artistic integrity.







## CERAMICS I

**Prerequisite:** N/A

**Grade Level(s):** 9, 10, 11 & 12

**Description:** The Ceramics I curriculum is divided into two semesters; Semester one is designed for the introduction and practice of hand building with clay. Techniques covered include pinch pot construction, coil construction and slab building. Students are introduced to the functioning clay studio and its equipment, materials and tools.

Semester two is designed around the use of the potter's wheel to create pots of various heights, weights and shapes. A variety of surface design techniques and glazing methods are covered in both semesters. Students create a digital portfolio using Google Slides. Proper safety precautions and studio protocols are introduced and practiced.

## PRE-AP 3D ART & DESIGN

**Prerequisite:** Ceramics I or instructor approval.

**Grade Level(s):** 10, 11 & 12

**Description:** The Pre-AP 3D Art & Design curriculum is divided into two semesters and is designed around the use of the potter's wheel, hand-building or both. Pre-AP is for those students who are interested in following through the curriculum by also taking AP 3D Art & Design. This course builds upon previously learned ceramics skills. Students create more advanced ceramic pieces and experiment with a variety of glazing techniques and surface textures. Projects include a variety of shapes, sizes and embellishments. Students are introduced and encouraged to create lids, handles and foot rings on their pieces. The Google Slide digital portfolio is in lieu of a midterm grade and a final exam grade. In addition, a minimum of one Practical Exam will be given. Students will learn about the AP Portfolio process and begin exploring ideas for an AP Sustained Investigation. Proper safety precautions and studio protocols are introduced and practiced.





## AP 3-D ART & DESIGN

**Prerequisite:** Ceramics I and Ceramics II

**Grade Level(s):** 11 & 12 or instructor approval

**Description:** AP 3-D Art & Design is a college level course that is inquiry based. Students create a digital portfolio of three-dimensional works utilizing a “Sustained Investigation” approach. Ceramics students continue to practice and hone their skills in the

clay studio. Wheel throwing and hand building are utilized. This course encourages students to work independently, in addition to regular class hours. Students are expected to spend additional time in the studio to practice, experiment and revise their work. The AP Portfolio must exhibit their artistic process through a series of 15 images and 5 “Selected Works.”

## CONCERT CHOIR

**Prerequisite:** N/A

**Grade Level(s):** 9, 10, 11 & 12

**Description:** In Concert Choir, students will continue to develop their vocal skills, musical knowledge, musical literacy and appreciation for choral music. We will focus on learning a variety of musical styles, proper vocal techniques and the basics of music theory. Throughout the year, students will have the opportunity to perform and collaborate at various events to showcase their progress, including chapels, holidays, remembrances, Hispanic Heritage Month, Mardi Gras, Heron Point, the Festival of Lessons and Carols, the Spring Concert and Baccalaureate. In addition to expanding their knowledge, students will be challenged through competitions such as All-State and Florida MPA.





## HONORS MUSIC THEORY

**Prerequisite:** N/A

**Grade Level(s):** 9, 10, 11 & 12

**Description:** Honors Music Theory enables students to build their foundational concepts in music theory. The course emphasizes musicianship, listening, dictation, sight singing, harmony and aural skills. Students develop notational fluency and deepen their understanding by critically listening to, analyzing and performing

a variety of musical works. This foundation prepares students for advanced study in music theory and aural skills.

## ADVANCED CONCERT CHOIR

**Prerequisite:** Must be enrolled in Concert Choir and successfully pass an audition.

**Grade Level(s):** 9, 10, 11 & 12

**Description:** Advanced Choir is a select, audition-based ensemble for experienced singers seeking rigorous vocal and musical development. Students perform challenging repertoire from a variety of genres and time periods, focusing on advanced techniques in harmony, blend, diction and musicianship. Emphasis is placed on ensemble collaboration, musical interpretation and expressive performance. Regular concerts, festivals and community events provide opportunities for public performance and artistic growth. This course prepares students for collegiate and professional choral experiences.







## AP MUSIC THEORY

**Prerequisite:** N/A

**Grade Level(s):** 10, 11 & 12

**Description:** AP Music Theory introduces students to foundational college-level music theory, focusing on musicianship, listening and dictation skills. The course emphasizes sight singing, harmony and aural skills, enabling students to recognize and describe elements of tonal music. Students develop notational fluency

and learn key concepts by analyzing, listening and performing a range of musical works. Performance practice, especially sight-singing, is integrated throughout to reinforce theoretical knowledge.

## JAZZ BAND

**Prerequisite:** At the discretion of the Instrumental Music Director

**Grade Level(s):** 9, 10, 11 & 12

**Description:** Students in Jazz Band will develop their musical skills through performance of instrumental jazz music. Exploring the genres of blues, funk, big band, swing and more, the class will discuss and utilize techniques in harmony, style and improvisation. Jazz Band musicians will work to improve their blend and balance in a large ensemble setting and in smaller, more soloistic groups. The Jazz Band will perform at at least one dedicated Instrumental Music concert each semester, as well as at school and community events ad libitum.





## ACTING

**Prerequisite:** N/A

**Grade Level(s):** 9, 10, 11 & 12

**Description:** Dive into the powerful world of performance and storytelling! Acting introduces students to the essential physical and analytical skills required to command the stage and engage an audience. Through focused rehearsal, students will master vocal projection, character development and foundational movement techniques.

Students will gain practical experience by exploring script analysis, improvisation and the historical contexts of drama. By actively engaging with the texts, students will transform into the dynamic performers and visionary storytellers who breathe life into every script and create lasting impact from the stage.

## TECHNICAL THEATRE

**Prerequisite:** N/A

**Grade Level(s):** 9, 10, 11 & 12

**Description:** Dive into the dynamic world of backstage production! Technical Theatre introduces students to the essential skills required to bring any performance to life. Through hands-on training, students will master the safe use of scene shop tools, learn foundational set construction and develop proficiency in lighting and audio technologies. Students will gain practical experience by actively supporting school productions and special events, becoming the essential technicians and designers who make the magic happen behind the curtain.





## JOURNALISM HONORS

**Prerequisite:** N/A

**Grade Level(s):** 9, 10, 11 & 12

**Description:** Journalism Honors is a year-long course designed to help students build knowledge and develop expertise in page design, publishing techniques, copywriting, editing, photography, time management, teamwork, marketing and leadership. Throughout the year, students will learn to interview effectively, conduct

meaningful research and write relevant, engaging stories that highlight the people and events within our school community. They will also create visually compelling spreads using various design applications, take high-quality photographs for publication and craft captions that enhance and support their images. The collaboration, creativity and real-world experience gained in this course culminate in the production of The Crow's Nest yearbook, our School's timeless, innovative and comprehensive record of community life, memories and events.

# WORLD LANGUAGES COURSES

## SPANISH 1

**Prerequisite:** N/A

**Grade Level(s):** Varies

**Description:** Spanish 1 is for the beginning language student with little to no background in learning Spanish. This course introduces students to the four skills of effective communication: listening, speaking, reading and writing. Fundamental grammar structures, core vocabulary and culture exploration of the Hispanic world are integrated throughout the curriculum. The classroom environment is immersive; teaching and learning occur mainly in the target language with support in English.







## SPANISH 2

**Prerequisite:** Successful completion of Spanish 1B in the Middle School or Spanish 1

**Grade Level(s):** Varies

**Description:** Spanish 2 expands on the fundamental grammar structures, core vocabulary and culture exploration of the novice learner. Students at the novice-low to novice-mid level further their communication skills by exploring language in a variety of themes and

contexts. Class is conducted largely in Spanish with support in English.

## SPANISH 2 HONORS

**Prerequisite:** B+ or higher in Spanish 1 and teacher recommendation. In addition, a placement test may be required.

**Grade Level(s):** Varies

**Description:** Spanish 2 Honors stresses oral and written proficiency through a more intensive study of grammar, vocabulary and culture. Students in honors are highly motivated, independent and engaged learners who thrive in a more challenging learning environment. Classes incorporate an integrated approach to teaching and learning that supports the novice-mid to novice-high learner's emerging skills. Class is conducted mainly in Spanish with some support in English.



## SPANISH 3

**Prerequisite:** Spanish 2

**Grade Level(s):** Varies

**Description:** Spanish 3 builds on the novice-low to novice-mid learner's linguistic acquisition with an emphasis on more effective communication. Interpersonal and presentational skills continue to be the foundation for developing speaking, listening, writing and reading proficiency. The curriculum is built around thematic cultural units

using Spanish readers with a project-based focus. Class is conducted primarily in Spanish with some support in English.

## SPANISH 3 HONORS

**Prerequisite:** B+ or higher in Spanish 2 Honors and teacher recommendation.

**Grade Level(s):** Varies

**Description:** Spanish 3 Honors bridges novice-mid to novice high/intermediate-low language proficiency. Connections between cultures and communities are examined more in-depth with increased emphasis on critical thinking through the application of increasingly sophisticated grammar structures and vocabulary. Students explore key themes and language structures that prepare them for real-world experiences and the AP Spanish Language and Culture exam. Class is conducted predominantly in Spanish.



combined with effective communication prepares students for real-world experiences and opportunities. Class is conducted primarily in Spanish.

## SPANISH 4

**Prerequisite:** Spanish 3

**Grade Level(s):** Varies

**Description:** Spanish 4 supports and advances novice-mid to novice-high language acquisition through an immersive, project-based learning environment. Ongoing review and expansion of grammar, vocabulary and culture based on thematic cultural units promotes continued proficiency. Intentional focus on global awareness

## SPANISH 4 HONORS

**Prerequisite:** B+ or higher in Spanish 3 Honors and teacher recommendation.

**Grade Level(s):** Varies

**Description:** Spanish 4 Honors is designed for the intermediate-low to intermediate-mid learner who has a passion for Spanish and Hispanic cultures. It represents a turning point in the language learner's fluency and confidence. Spanish 4 Honors prepares students for language studies at the university level and for AP Spanish Language and Culture. Linguistic concepts from previous levels are reinforced, and students are introduced to advanced vocabulary and structures. Higher-order thinking skills are the basis of essay writing, impromptu speaking and analysis and synthesis of information from multiple sources. Students are also introduced to literature from the Spanish-speaking world. Class is conducted entirely in Spanish.







## SPANISH LANGUAGE & FILM HONORS

**Prerequisite:** Spanish 4 and teacher recommendation, Spanish 4 Honors, AP Spanish Language and Culture or AP Spanish Literature and Culture.

**Grade Level(s):** 11 & 12

**Description:** Spanish Language and Film Honors (Spanish 5) is for students with novice-high through intermediate-mid language proficiency. Using film as text, this course guides students in exploring historical, cultural

and social themes unique to the Hispanic experience. Students advance their language proficiency and cultural competency through discussion, investigation and project development. Please note: Movie themes include serious, complex and sensitive subjects. Students must demonstrate a mature and open mindset in the classroom.

## AP SPANISH LANGUAGE & CULTURE

**Prerequisite:** B or higher in Spanish 4 Honors and teacher recommendation. If a student is transitioning from Spanish Language & Film, a placement test and teacher recommendation are required.

**Grade Level(s):** Varies

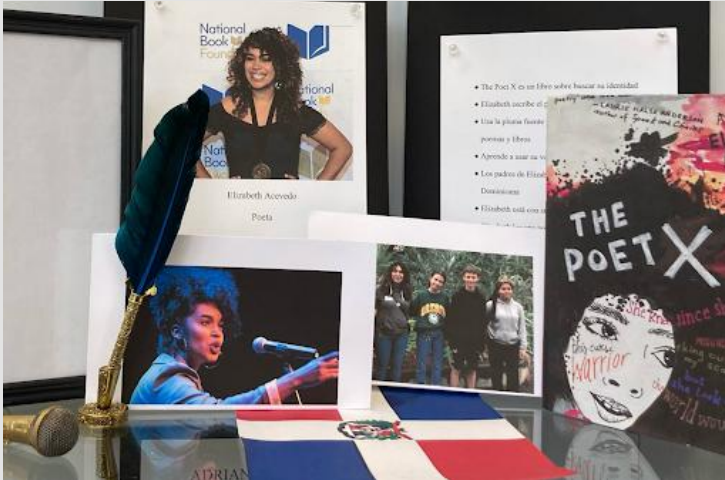
**Description:** AP Spanish Language and Culture prepares intermediate-low to intermediate-high students for the AP Spanish Language and Culture exam

and continued study of Spanish at the university level. The course focuses on the development of interpersonal, interpretive and presentational linguistic skills that include spontaneous conversation, formal presentations, listening and reading comprehension, essay writing and continued grammatical development. The daily class routine empowers students to meet these challenges through a wide variety of activities and experiences couched in authentic resources and works of literature, with an aim to develop cultural competency. This class is conducted entirely in the target language.





## AP SPANISH LITERATURE & CULTURE



**Prerequisite:** B or higher in AP Spanish Language and Culture and teacher recommendation. If a student has not taken AP Spanish Language, a placement test and/or teacher recommendation is required.

**Grade Level(s):** Varies

**Description:** AP Spanish Literature and Culture introduces advanced language students to the formal study of a representative body of literature from

Spain, Latin America and the United States. The course provides students with varied opportunities to develop proficiency in Spanish across a full range of skills, with emphasis on critical reading, analytical writing and discussion based on higher-order literary terms and concepts.. This course offers a challenging reading list of poetry, plays, short stories and literary excerpts, and students are expected to defend the analyses in written and oral format in the target language.

## HISTORY/SOCIAL STUDIES COURSES

### AP ART HISTORY

**Prerequisite:** Completion of AP or Honors Human Geography and/or completion of AP European History or Honors World History.

**Grade Level(s):** 11 & 12

**Description:** A one-year comprehensive survey of western and non-western art.

This is a comparative course and students will be required to explore a variety of media including sculpture, paintings, frescoes, print, architecture and various other forms of artistic media.

There is an extensive reading and writing component to this course. Students will be encouraged to visit local museums and lecture series to further their understanding of art and to help in their written analysis of the formal elements involved in various media. AP Art History is a discussion based course centered around the Harkness table.





## HUMAN GEOGRAPHY HONORS

**Prerequisite:** N/A

**Grade Level(s):** 9

**Description:** A year-long introductory course designed to explore how humans have understood, used and changed the surface of Earth. Units will include introductory geography and methods, population, migration, culture, ethnicity, language, religion, political geography, economic development, industry, agriculture and

urban geography. This course will include lectures, films, Harkness discussions, research, group activities and examinations to ensure students understand the spatial world around them and the influences of human interaction on the environment.

## AP HUMAN GEOGRAPHY

**Prerequisite:** Eighth-grade US History Honors

**Grade Level(s):** 9

**Description:** An intensive year-long course meant to approximate an introductory Human Geography course taught at college or university. The course is centered around seven core units: thinking geographically, population and migration patterns and processes, cultural patterns and processes, political patterns and processes, agricultural and rural land use patterns and processes, cities and urban land-use patterns and processes and industrial and economic development patterns and processes. Also, within these units are five skill areas that we will develop: geographic theories, spatial relationships, data analysis, source analysis and scale analysis. Additionally, *The Economist* is read as a weekly activity.





## WORLD HISTORY HONORS

**Prerequisite:** Human Geography Honors

**Grade Level(s):** 10

**Description:** A study of the modern era from a global perspective with an attempt to balance the political, economic and social/cultural developments of various parts of the world so that the student will see that these developments did not occur in a “vacuum.” This course is a general

survey of world history and is taught chronologically, with an emphasis on themes. Students will examine a series of essential issues that dominate world history and shape the world in which they live. Students will be required to engage in writing, discussion and collaborative teamwork on a regular basis.

## AP MODERN WORLD HISTORY

**Prerequisite:** AP Human Geography

**Grade Level(s):** 10, 11 & 12

**Description:** An intensive course that surveys world history from 1200 CE to the present. Embedded in nine core units that represent chronological periods from 1200 to the present are six spiraling themes: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and

organization and technology and innovation. Students develop and use skills needed to analyze primary and secondary sources, develop historical arguments and connections across time by fine tuning their ability to use comparison, causation and continuity and change over time to frame their written arguments. This is a reading intensive course centered around Harkness table classroom discussion.







## AP EUROPEAN HISTORY

**Prerequisite:** AP Human Geography

**Grade Level(s):** 10, 11 & 12

**Description:** An intensive course covering Europe from approximately 1450 CE to the present. Students explore the Renaissance and exploration, the Age of Reformation, absolutism and constitutionalism, scientific, philosophical and political developments, conflict crisis and reaction in the late 18th century,

industrialization and its effects, 19th century, perspectives and political developments, 20th century global conflicts, the Cold War and contemporary Europe. Students are also expected to develop an ability to analyze historical evidence and to express historical understanding in writing. This is a reading intensive course centered around Harkness table discussion and regular essay assignments.

## UNITED STATES HISTORY HONORS

**Prerequisite:** World History Honors

**Grade Level(s):** 11

**Description:** Focuses on developing an understanding of American history from the Civil War Period through the present. Students will read and analyze a variety of sources, including textbooks, online sources and primary documents. Students will build analytical and critical thinking skills as they learn about the impact of historical events on their own lives. The course will be taught from an exploratory approach, in which students will be challenged to step into the past via reenactments, harkness discussions, hands-on simulations and more.





## AP UNITED STATES HISTORY

**Prerequisite:** AP European History or AP Modern World History

**Grade Level(s):** 11

**Description:** Allows students to investigate nine time periods in US history, which span from 1491 to the present. Students explore eight themes in order to make connections among historical developments in different times and places. As an AP course, a strong emphasis is placed on the

student's development of analytical writing skills. Therefore, constant practice and feedback on AP essay prompts (SAQ, LEQ and DBQ) will be a key component in this course. Group and whole class activities will be interactive and will aid in the recall and comprehension of key events and themes.

## AP UNITED STATES GOVERNMENT & POLITICS

**Prerequisite:** AP European History, World History Honors, US History Honors or AP US History

**Grade Level(s):** 11 & 12

**Description:** This course includes both the study of general concepts used to interpret US government and politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs and ideas that constitute US government and politics. The study of general political concepts provides familiarity with federalism and governmental institutions, as well as various groups, beliefs and ideas that constitute US politics.





## AP PSYCHOLOGY

**Prerequisite:** Human Geography  
Honors or AP Human Geography

**Grade Level(s):** 10, 11 & 12

**Description:** Students are introduced to the scientific study of behavior and mental processes of human beings and other animals. Students are exposed to research methodologies utilized in the field of psychology, are expected to write frequently utilizing scientific language acquired through the year

and study the biological bases of behavior, sensation and perception, states of consciousness, learning, cognition, motivation and emotion, developmental psychology, personality, testing and individual differences, abnormal behavior, treatment of abnormal behavior, social psychology and other current trends in the field. Students become familiar with major contributors to each branch of psychology. This course requires a significant degree of maturity due to the nature of certain themes in this course.

## AP BUSINESS WITH PERSONAL FINANCE

**Prerequisite:** None, but priority is given to seniors, especially those with a demonstrated interest in studying business.

**Grade Level(s):** 10, 11 & 12

**Description:** AP Business with Personal Finance is a rigorous, yearlong course that aligns closely with a college-level introduction to business course. This course blends core business concepts, including entrepreneurship, marketing, management and finance, with vital personal money skills such as budgeting, investing, managing debt and planning for retirement. Students will gain the tools to take control of their careers, understand how businesses shape the world and make confident, informed decisions. Through real-world projects, simulations, project-based learning and case studies, students engage in authentic business and financial decision-making while strengthening critical thinking, analytical reasoning and communication skills. Overall, this course prepares students for college and future careers.







## SOCIOLOGY HONORS

**Prerequisite:** N/A

**Grade Level(s):** 11 & 12

**Description:** A one semester course centered on the behavior of people. Students are introduced to the topics of socialization, institutions, social interaction, social change, collective behavior, competition in society, and social inequality. Students will develop a sociological perspective based on critical thinking skills in order to better

understand the social world in which they live and interact on a daily basis. This course will include lectures, films, guest speakers, Harkness discussions, research, group activities/simulations and examinations to develop the students' sociological imagination and analytical abilities.

## CRIMINOLOGY

**Prerequisite:** N/A

**Grade Level(s):** 11 & 12

**Description:** A one semester course focusing on the study and critical appraisal of various theories of crime causation, including an examination of biological, psychological, economic and sociological perspectives on the etiology of crime. The course materials will introduce you to the major theoretical explanations for defining and measuring criminal behavior and the different types of crime and victimization. Students will examine the larger social forces that both predict and define crime as well as evaluate various ways in which societies deal with crime.



## CRIMINAL JUSTICE

**Prerequisite:** N/A

**Grade Level(s):** 11 & 12

**Description:** A one semester course that serves as a comprehensive survey of how law enforcement, courts, and the correctional system interact with each other in the United States. Students will understand the context of local, state, and federal laws, the concepts of crime control and the judicial process and the importance of

communications and professionalism in law.

## AP MICROECONOMICS

**Prerequisite:** Strong math background.

**Grade Level(s):** 11 & 12

**Description:** An introductory, one semester college-level course that focuses on the principles of economics that apply to the functions of individual economic decision makers. The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts and data to analyze, describe and explain economic concepts.



## AP MACROECONOMICS

**Prerequisite:** Strong math background.

**Grade Level(s):** 11 & 12

**Description:** An introductory, one semester course that provides students with a thorough understanding of the principles of economics that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price determination and develops students' familiarity with economic performance

measures, economic growth and international economics.

## ECONOMICS HONORS

**Prerequisite:** N/A

**Grade Level(s):** 11 & 12

**Description:** A one semester course that serves as an introduction to economic concepts, theories and ideas. Students evaluate the ideas of economists throughout recent history as well as real world examples of these ideas being put into practice. The course is ideal for students interested in better understanding business practices and the working of the global economy. The course is supplemented with additional lessons in entrepreneurship and culminates with a business plan presentation.





## ENTREPRENEURSHIP HONORS

**Prerequisite:** N/A

**Grade Level(s):** 11 & 12

**Description:** A one semester course designed to introduce students to the concept of entrepreneurship. Students will examine and develop the personal traits and behaviors fundamental to becoming a successful entrepreneur and will be exposed to the first steps of the entrepreneurial process, including the development of business plans.

Topics include self-analysis of entrepreneurship readiness, the role of entrepreneurs in economic development, legal problems, organizational structure, sources of financing, budgeting and cash flow. Direct instruction is provided by faculty and local business experts, but the students play a role in determining the direction of the course.

## FINANCIAL LITERACY HONORS

**Prerequisite:** N/A

**Grade Level(s):** 11 & 12

**Description:** Designed to give students an opportunity to learn and apply mathematical content through a financial lens. The goal is for students to develop a strong foundation in logical thinking and problem-solving skills that will enable them to make informed decisions regarding matters of money and finance. This course gives context to the real-world applications of budgeting, investing, insurance and managing credit.







## GLOBAL ISSUES HONORS

**Prerequisite:** N/A

**Grade Level(s):** 11 & 12

**Description:** A one semester course that explores the conditions facing the global community. The course explores current issues, the causes and the potential solutions to those issues. After students research current circumstances and conditions around the world, we will examine demographics and disease,

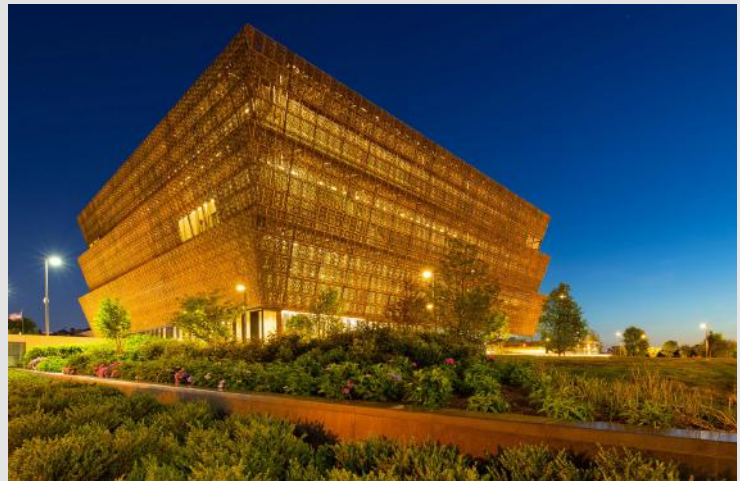
environment and energy, economics and globalization, human rights and geopolitics. Students will focus on understanding how these issues are related to each other and to broader social processes. Students will leave this course with greater familiarity in understanding and communicating social science research, as well as how to better analyze these issues on their own.

## AFRICAN AMERICAN HISTORY HONORS

**Prerequisite:** N/A

**Grade Level(s):** 10, 11 & 12

**Description:** Survey course of significant events, historical developments, people, organizations and culture in African American history from ancient roots in Africa to present-day issues. The class is taught through a hands-on/experiential approach including debate, projects/activities, music and art and guest speakers. Also, field trip options tentatively include: Washington, DC (Smithsonian NMAAHC), HBCUs in Florida and the Black Heritage Museum in New Smyrna Beach.



## FLORIDA HISTORY HONORS

**Prerequisite:** N/A

**Grade Level(s):** 10, 11 & 12

**Description:** Survey course of significant historical developments, events, people, organizations and cultural elements in Florida's history from the time of early indigenous societies to the present. Florida history is emphasized through literature/stories about Florida, such as *A Land Remembered*. The course is presented

through a hands-on/experiential approach: projects/activities, guest speakers and student choice of topics for in-depth investigation/interviews. Field trip options (tentative): Saint Augustine, Tallahassee, Kennedy Space Center and Ybor City.

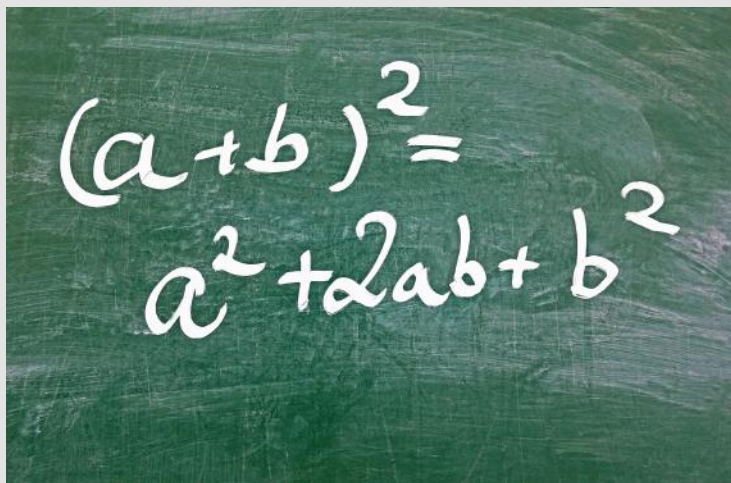
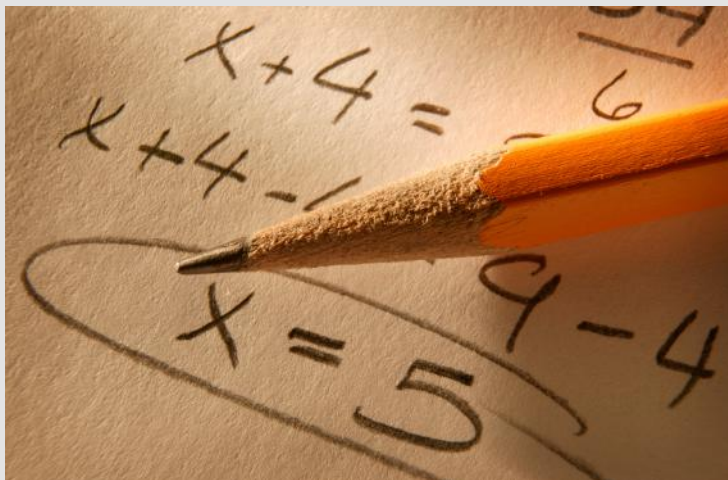
# MATHEMATICS COURSES

## ALGEBRA 1 CP

**Prerequisite:** Prealgebra 8

**Grade Level(s):** 9

**Description:** Algebra 1 is the foundation for more advanced mathematics courses and develops the skills needed for problem-solving. Topics include, but are not limited to sets, variables, structure and properties of the real number system, first degree equations and inequalities, relations, functions, graphs of linear functions, systems of linear equations and inequalities, integer exponents, operations with polynomials including all forms of factoring, operations with rational algebraic expressions, simplification of irrational numbers, operations with radical expressions and quadratic equations. Problem-solving is integrated throughout the course.



## ALGEBRA 1 HONORS

**Prerequisite:** B or better in Prealgebra 6/7 Honors

**Grade Level(s):** 9

**Description:** Algebra 1 Honors is a challenging and comprehensive course designed for students who demonstrate strong mathematical abilities and a passion for learning. The course covers foundational algebraic concepts with an emphasis on critical thinking, problem-solving and real-

world applications. Students will explore topics such as solving linear equations and inequalities, systems of equations, functions, polynomials, rational expressions, quadratic equations and data analysis. Honors-level students engage in more complex, multi-step problems, rigorous mathematical reasoning and advanced problem-solving techniques. The course also integrates technology tools to enhance learning and provide deeper insight into algebraic concepts.

## GEOMETRY CP

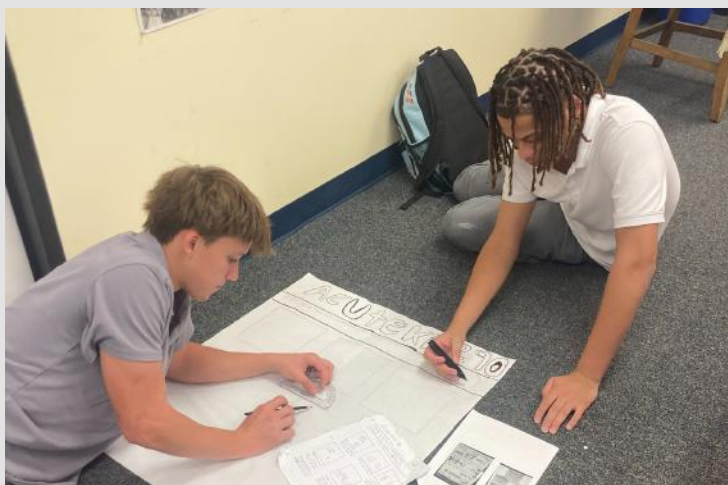
**Prerequisite:** Algebra 1 CP

**Grade Level(s):** 10

**Description:** The focus of enVision©

Geometry is the study of Euclidian geometry. Studying plane figures both on and off the coordinate grid, students develop an understanding of the structures of geometry. Students use postulates, corollaries and theorems to write proofs for properties of two-dimensional figures, including

triangles, quadrilaterals and circles. Students use transformations to understand congruence in terms of rigid motions and similarity in terms of similarity transformations. Students look at the relationships in right triangles to develop an understanding of trigonometry and learn the Law of Sines and the Law of Cosines for all triangles. Students also build on prior knowledge from Algebra 1, expanding their knowledge of parabolas to include the focus and directrix. Once they have learned about two-dimensional figures, they use that foundation to learn the properties of three-dimensional figures such as prisms, cones, pyramids and spheres.



## GEOMETRY HONORS

**Prerequisite:** B or better in Algebra 1 Honors.

**Grade Level(s):** 9

**Description:** Geometry Honors is an in-depth, rigorous course that emphasizes inductive reasoning, logical thinking and geometric exploration. Students develop geometric concepts through hands-on activities, investigations and real-world applications, fostering a deep conceptual understanding. Topics

include properties of lines, angles, triangles, quadrilaterals, circles, transformations, similarity, congruence, right triangle trigonometry, coordinate geometry and area and volume of two- and three-dimensional figures. The honors level includes accelerated pacing, more complex problem-solving, formal proof writing and enrichment topics to prepare students for higher-level math courses such as Algebra II Honors and Precalculus.

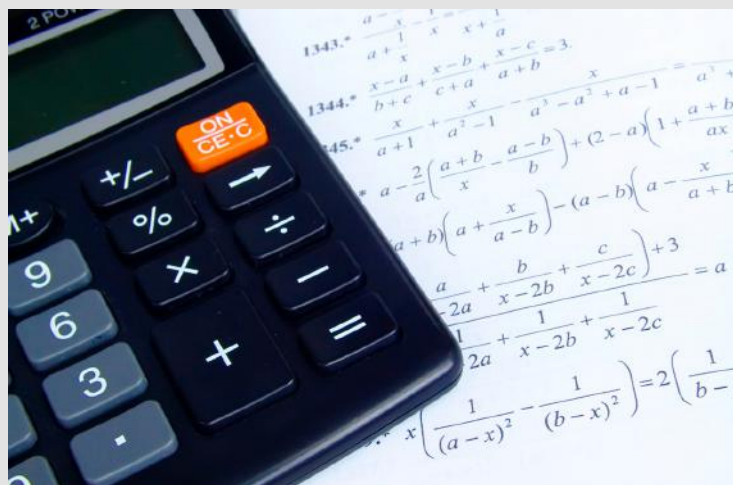


## ALGEBRA 2 CP

**Prerequisite:** Geometry CP

**Grade Level(s):** 11

**Description:** The focus of enVision © Algebra 2 continues the study of functions started in Algebra 1. Through the study of specific functions: notably linear, exponential and polynomial functions, students will be able to see the structure of functions, to make generalizations about all functions and to describe the uniqueness of specific functions. Within the study of functions, students will work with various types of real numbers, from rational and irrational to complex. Students will apply properties of numbers and properties of equality to carry out operations with different functions, all with the goal of seeing the applicability to a wide range of phenomena that are natural or of human origin. The focus on transforming functions will help you build connections between the algebraic and graphical representations of functions.



## ALGEBRA 2 HONORS

**Prerequisite:** B or better in Algebra 1 Honors and Geometry Honors.

**Grade Level(s):** 9, 10 & 11

**Description:** Algebra 2 Honors is an advanced mathematics course that builds upon Algebra 1 concepts, integrating technology to enhance problem-solving and analysis. Students explore polynomial, rational, exponential, logarithmic and piecewise functions, along with complex

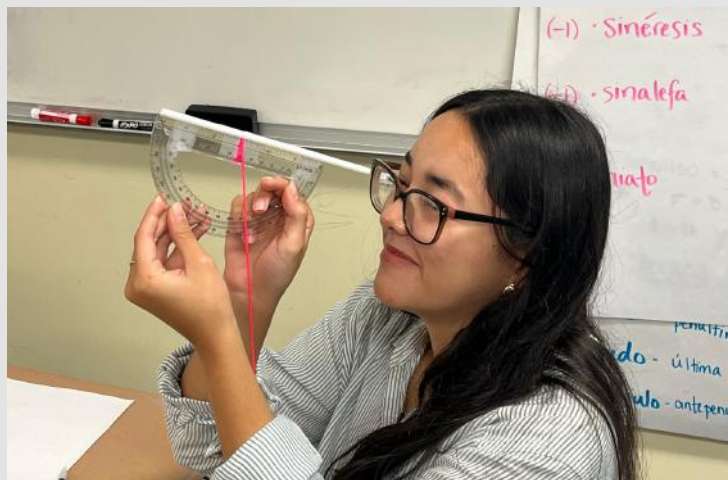
numbers, sequences and series and conic sections. Graphing calculators and mathematical software are used to visualize functions, analyze data and model real-world applications. The course emphasizes critical thinking, transformations and the use of digital tools to solve equations and interpret mathematical relationships. Advanced topics such as probability and introductory statistics may also be included. Designed for motivated students, this rigorous course prepares learners for precalculus and beyond while strengthening their technological proficiency in mathematical problem-solving. Methods of instruction focus on a student-centered, discovery-based approach to learning mathematics. The structured lesson plans provide clear scaffolding, allowing students to build deeper conceptual understanding while maintaining engagement through active participation.

## PRECALCULUS CP

**Prerequisite:** Algebra 2 CP

**Grade Level(s):** 11 & 12

**Description:** Precalculus builds upon students' understanding of various functions and expands their knowledge of trigonometry, all while helping them make connections between geometry and algebra. Students will study the properties of functions and trigonometric identities and equations. In addition to content mastery, the course goals are to further develop students' problem-solving and critical-thinking skills.



## AP PRECALCULUS

**Prerequisite:** B or better in Algebra 2 Honors.

**Grade Level(s):** 9, 10, 11 & 12

**Description:** AP Precalculus fosters the development of a deep conceptual understanding of functions. Students learn that a function is a mathematical relation that maps a set of input values, the domain, to a set of output values, the range, such that each input value is uniquely mapped to an output value.

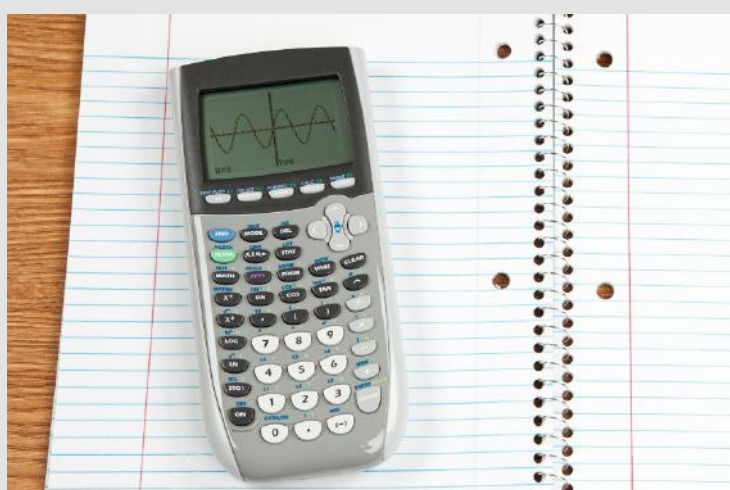
Students understand functions and their graphs as embodying dynamic covariation of quantities, a key idea in preparing for calculus. With each function type, students develop and validate function models based on the characteristics of a bivariate data set, characteristics of covarying quantities and their relative rates of change or a set of characteristics such as zeros, asymptotes and extrema. These models are used to interpolate, extrapolate and interpret information with different degrees of accuracy for a given context or data set. Additionally, students also learn that every model is subject to assumptions and limitations related to the context. As a result of examining functions from many perspectives, students develop a conceptual understanding not only of specific function types but also of functions in general. This type of understanding helps students to engage with both familiar and novel contexts.

# AP CALCULUS AB

**Prerequisite:** B or better in AP Precalculus.

**Grade Level(s):** 11 & 12

**Description:** AP Calculus AB is a college-level mathematics course that covers differential and integral calculus with a strong emphasis on conceptual understanding, real-world applications and problem-solving. Students explore limits, derivatives, integrals and the Fundamental Theorem of Calculus while using technology, such as graphing calculators and mathematical software, to analyze functions, verify solutions and model dynamic systems. Technology plays a crucial role in visualizing concepts, computing numerical approximations and interpreting results. The course prepares students for the AP exam and provides a foundation for future studies in mathematics, science and engineering. Designed for motivated students, AP Calculus AB fosters critical thinking and analytical skills necessary for success in higher-level mathematics. Methods of instruction focus on a student-centered, discovery-based approach to learning mathematics. The structured lesson plans provide clear scaffolding, allowing students to build deeper conceptual understanding while maintaining engagement through active participation.



## AP CALCULUS BC

**Prerequisite:** A or better in AP Precalculus or B or better in AP Calculus AB.

**Grade Level(s):** 11 & 12

**Description:** AP Calculus BC is a college-level mathematics course that extends the concepts covered in AP Calculus AB and introduces additional topics typically found in a second semester of college calculus. Students study limits, derivatives, integrals and

the Fundamental Theorem of Calculus, as well as advanced concepts such as parametric, polar, and vector functions, sequences and series (including Taylor and Maclaurin series) and additional integration techniques. The course emphasizes problem-solving, mathematical modeling and real-world applications.

## STATISTICS HONORS

**Prerequisite:** Precalculus CP

**Grade Level(s):** 12

**Description:** Probability & Statistics Honors is a semester-long course where students will study the art and science of decision-making in the presence of uncertainty. This course uses real-world data and experiences in which students learn topics like collecting and summarizing data, experimental design, the normal curve, regression and basic probability concepts.



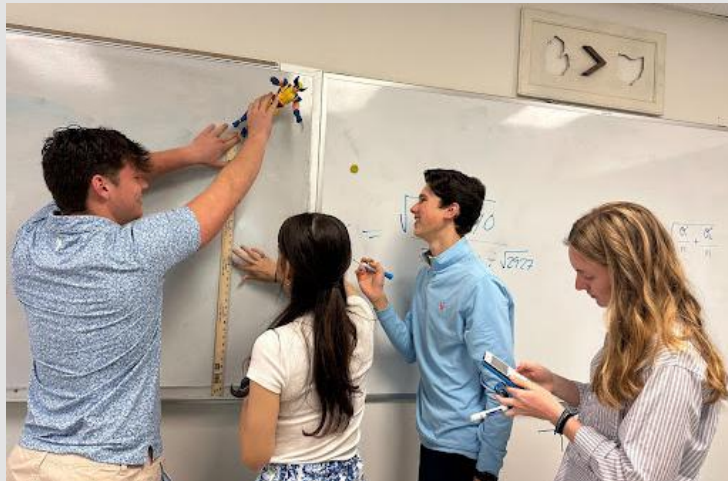
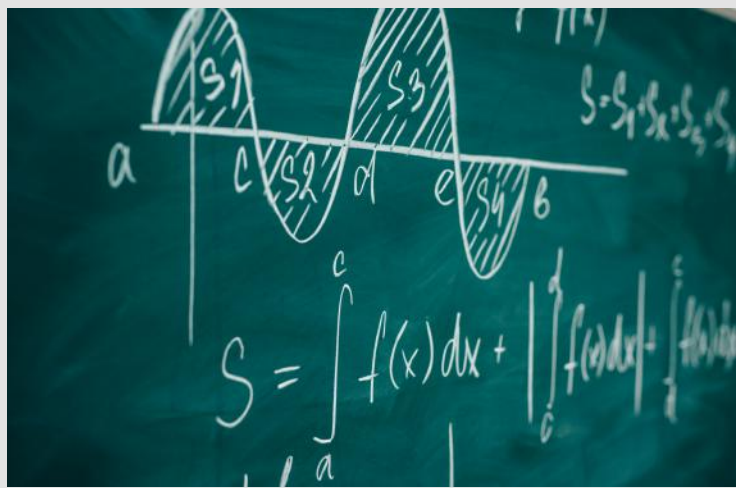


## CALCULUS HONORS

**Prerequisite:** Precalculus CP

**Grade Level(s):** 12

**Description:** Calculus Honors is a semester long introductory course in differential calculus. Students will focus on the three big ideas of calculus (e.g. modeling change, approximation and limits and analysis of functions), using polynomial, exponential, logarithmic and trigonometric functions. Through the context of calculus, students will strengthen their skills in solving equations, graphing functions and analyzing features of functions and their graphs.



experimentation, probability and simulation and statistical inference. Students use technology, investigations, problem solving and writing as they build conceptual understanding.

## AP STATISTICS

**Prerequisite:** B or better in Algebra 2 Honors.

**Grade Level(s):** 11 & 12

**Description:** The AP Statistics course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes evident in the content, skills and assessment in the AP Statistics course: exploring data, sampling and

# COMPUTER SCIENCE COURSES

## AP COMPUTER SCIENCE PRINCIPLES

**Prerequisite:** N/A

**Grade Level(s):** 9, 10, 11 & 12

**Description:** In AP Computer Science Principles, students will study the fundamentals of computing, including programming, algorithms, data analysis, the impact of computing on society, the mechanics behind the internet and its protocols, cybersecurity and the principles of abstraction, using a broad and engaging approach to develop problem-solving and computational thinking skills using Python. Emphasizing creativity and collaboration, the class covers all of the introductory computer concepts through a project-based curriculum.





## AP COMPUTER SCIENCE A

**Prerequisite:** Algebra 2

**Grade Level(s):** 10, 11 & 12

**Description:** In AP Computer Science A, students study object-oriented programming concepts through the Java programming language, including programming fundamentals, data structures, algorithms, design methodologies and problem-solving techniques to develop efficient and scalable software solutions. This makes it a strong foundational course for students interested in software development.

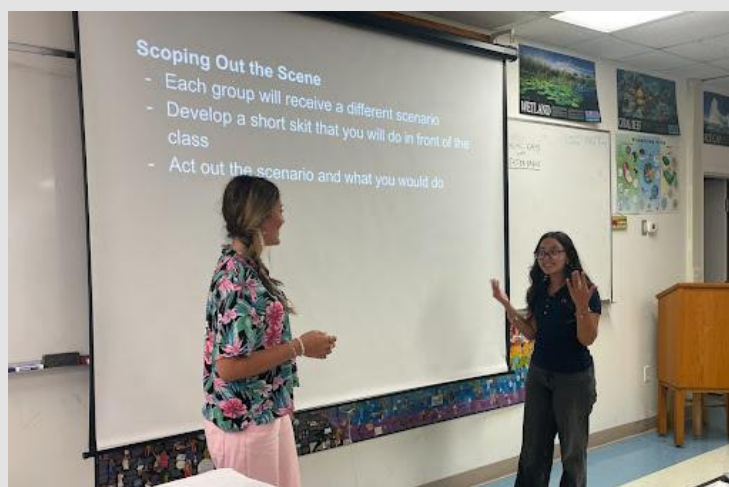
# SCIENCE COURSES

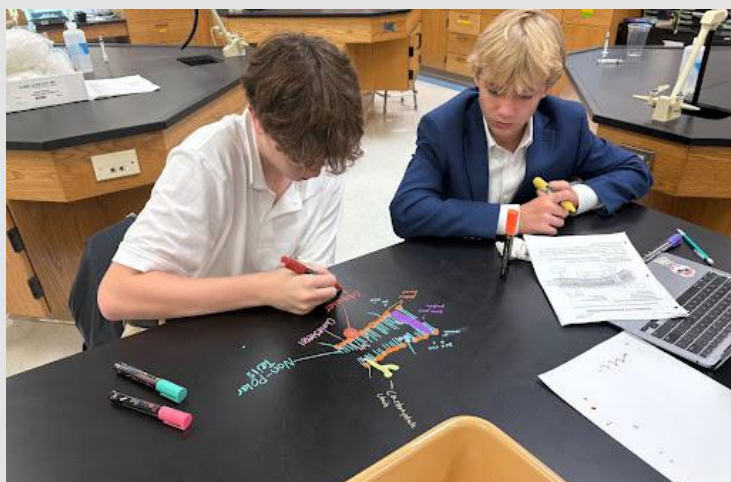
## HEALTH

**Prerequisite:** N/A

**Grade Level(s):** 9

**Description:** The overall goal of this course is for students to learn about a wide variety of health topics and make positive health decisions for themselves in the future. Students will feel empowered by recognizing high-risk behaviors and their impact on current and future health. Students are given many opportunities to learn about their mental/emotional, social and physical health. Through several homework and in class assignments, students will learn about stress and conflict resolution, nutrition and fitness, alcohol and drugs, including opioids and heroin abuse, tobacco use, e-cigarettes and vaping, personal health, including sleep, screen time, healthy relationships with peers and others, cyberbullying, privacy and online harassment and sexual health covering STD/STIs and HIV/AIDS. Students are also responsible for a daily journal, presenting several projects throughout the course and preparing for the final assessment. Students participate in physical activities during the course earning credit for their effort.





## BIOLOGY

**Prerequisite:** Eighth-Grade Science

**Grade Level(s):** 9

**Description:** This course provides students with a general framework of biological concepts which can then be used to understand areas of current biological research and current events both environmental and biological. Major topics include basic biochemistry, cell structure and function, classification and diversity of living

organisms, reproduction and development, genetics, evolution and ecology. Hands-on activities and discussion comprise the primary implementation of the material. Students conduct labs once per six day cycle, with some investigations lasting more than a day. The latest educational technology is implemented throughout the course.

## BIOLOGY HONORS

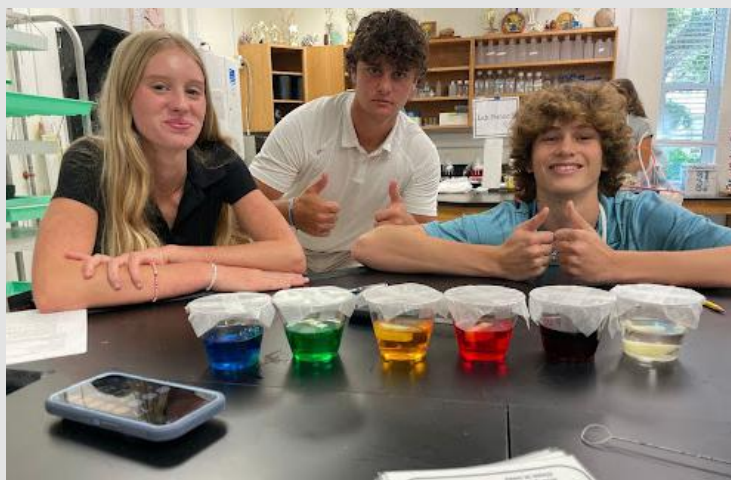
**Prerequisite:** Eighth-Grade Science Honors or teacher recommendation.

**Grade Level(s):** 9

**Description:** This is a survey of life science course designed to build broad but deep foundational knowledge, provide challenging learning opportunities to those students passionate about the sciences and to prepare students for more advanced coursework in the life sciences. The main units covered include cells, genetics, evolution and ecology. The process of scientific research is woven throughout the curriculum to give students the opportunity to practice and explore the nature of science and they learn about the topics within these different units. This course is research-based (both in content and instructional strategies) and many opportunities are provided to review and analyze current research. Students are expected to join the course with, and continue to develop, their organizational, analytical and time management skills. Daily homework assignments of reading and taking notes help build their scientific literacy skills and provide a foundation from which to build on during class discussions, activities or quick checks for understanding and laboratory experimentations. For each unit there are around three tests, six quizzes, at least one lab and sometimes a presentation.







## AP BIOLOGY

**Prerequisite:** Successful completion of Biology Honors.

**Grade Level(s):** 10, 11 & 12

**Description:** Aligned to the AP Biology curriculum from the College Board, textbook readings, laboratory investigations and class discussions prepare students to be successful on the AP exam and to have a deeper understanding and appreciation of the complexity of the inner workings of

cells in unicellular and multicellular organisms. The course also covers how organisms interact with their environment and have changed over time. There are eight units, each unit has at least two quizzes, at least one test and at least one lab.

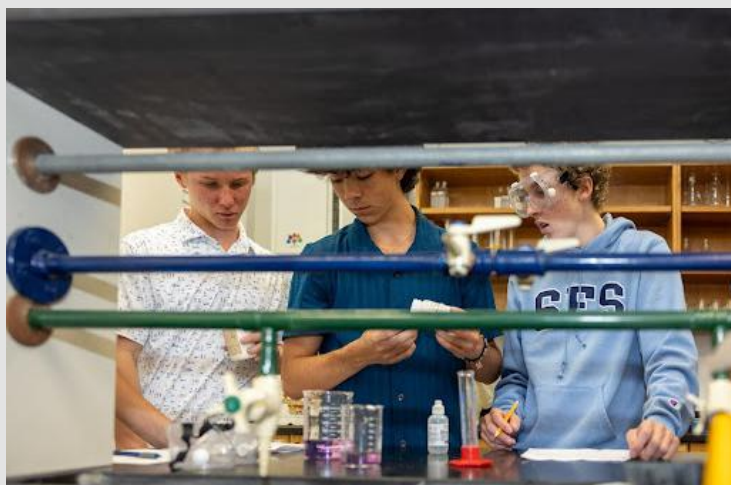
## CHEMISTRY

**Prerequisite:** Biology

**Grade Level(s):** 10

**Description:** This introductory chemistry course guides an inquiry into the interactions of matter and the role these reactions play in our world today. An understanding of current technologies will allow students to see how the chemist's modern view of matter has developed over time. The application of the scientific method is stressed throughout the course. Major course themes include scientific measurement, matter, energy, phases of matter, writing of formulas and equations, stoichiometry, solutions, atomic structure and bonding, acids/bases/salts and reaction prediction. Throughout the year, the Periodic Table is employed as a tool for organizing and understanding these properties. A key goal of this course is not simply to carry out the work but to inspire you to craft your critical thinking, note-taking, experimental technique and scientific writing style. Strategies designed to build student proficiency in the appropriate use of the language of chemistry (atomic symbols, formulas and chemical equations), chemical calculations, analytical reading, data collection and analysis, analytical writing and basic laboratory techniques will be incorporated throughout the course. Concepts will be reinforced through laboratory work, and the development of laboratory techniques will be emphasized. The lab coursework is designed to introduce a breadth of chemistry experiments, introduce you to scientific writing and provide you with hands-on experience with scientific instrumentation.





## CHEMISTRY HONORS

**Prerequisite:** Biology Honors or teacher recommendation.

**Grade Level(s):** 10

**Description:** Chemistry Honors is a first-year survey course, which includes the basic topics of chemistry. It is a moderately difficult course that builds upon the fundamental principles that were covered in previous science lessons. The major theme is that the chemical and physical properties of

matter are a function of the atomic structure of the elements comprising that matter. Throughout the year, the Periodic Table is employed as a tool for organizing and understanding these properties. Strategies designed to build student proficiency in the appropriate use of the language of chemistry (atomic symbols, formulas and chemical equations), chemical calculations, analytical reading, data collection and analysis, analytical writing and basic laboratory techniques will be incorporated throughout the course. Major topics include essential aspects of the atomic structure of matter, introduction to electron orbitals & essential quantum theory, properties of common elements and substances – particularly as these properties relate to reactivity, thermodynamics, gas laws, solution chemistry concepts and predictions, molar ratios, acids/bases/salts and redox reactions. Stoichiometric concepts are incorporated throughout the course where appropriate. Coursework is aligned to provide successful students with the experience necessary to continue into Advanced Placement Chemistry. Concepts will be reinforced through laboratory work, and the development of laboratory techniques will be emphasized. The lab coursework is designed to introduce a breadth of chemistry experiments, introduce you to scientific writing and provide you with hands-on experience with scientific instrumentation. Your success in this course will greatly depend on your pre-class preparation. A key component of this course is not simply to carry out the work but to inspire you to craft your critical thinking, note-taking, experimental technique, and scientific writing style.

## AP CHEMISTRY

**Prerequisite:** Successful completion of Chemistry Honors and Algebra II.

**Grade Level(s):** 11 & 12

**Description:** The AP Chemistry course builds upon the fundamental principles covered in the previous Chemistry Honors class and provides a much deeper understanding of the basic concepts taught at the honors level and continues the development of critical thinking and effective computational skills/analysis. Emphasis is placed on descriptive chemistry, thermodynamics, structural bonding, reaction kinetics, chemical equilibrium, acids and bases and electrochemistry. The continued development of analytical writing skills and effective problem solving is an integral part of the course. Prerequisites include both the competent completion of both Chemistry Honors and Algebra II.







## CP PHYSICS

**Prerequisite:** N/A

**Grade Level(s):** 10, 11 & 12

**Description:** In Conceptual Physics, we will explore the fundamental principles that govern the physical world, including motion, forces, energy, momentum, waves, electricity, magnetism, optics, nuclear structures, quantum mechanics and relativity, through hands-on activities, real-world examples and logical reasoning. This

course focuses on building a strong, intuitive understanding of how the universe works without relying on complex mathematics.

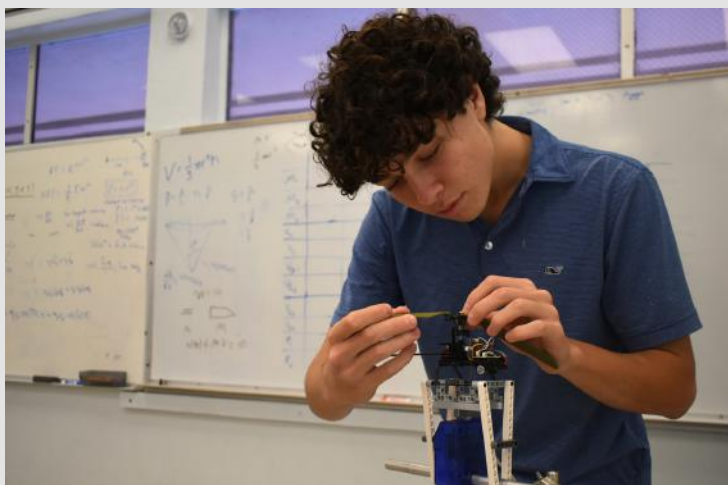
## PHYSICS & ENGINEERING RESEARCH HONORS

**Prerequisite:** Recommendation from science teacher.

**Grade Level(s):** 10, 11 & 12

**Description:** In this class, we will explore what scientific research involves (particularly in the physical sciences and engineering) and learn how to design experiments that minimize error and maximize accuracy and precision.

Our goal is to conduct college-level research and work toward publishing our findings. We're looking for students with diverse skills, so if you're passionate about science and problem-solving, even if you're not fully confident in your physics or math abilities, you can still take this course. We need individuals with diverse skill sets!



## AP PHYSICS 1 & 2

**Prerequisite:** Successful completion of Algebra 2 Honors, preferably AP Pre-Calculus.

**Grade Level(s):** 11 & 12

**Description:** In AP Physics 1 and 2, we are going to study the fundamental laws that govern the behavior of the physical world, including motion, forces, energy, momentum, waves, electricity and magnetism, using mathematical models and experimental

investigations to develop a deep understanding of these concepts. This is a math-intensive course.



## AP PHYSICS C: MECHANICS + AP PHYSICS C: ELECTRICITY & MAGNETISM

**Prerequisite:** AP Calculus AB

**Grade Level(s):** 11 & 12

**Description:** In AP Physics C, we are going to study the fundamental physical laws that govern motion, forces, energy, momentum, electricity, and magnetism using calculus-based mathematical models and problem-solving techniques to develop a deeper analytical understanding of mechanics and electromagnetism. This is a math-intensive course.



## ANATOMY & PHYSIOLOGY HONORS

**Prerequisite:** Biology and/or teacher recommendation.

**Grade Level(s):** 9, 10, 11 & 12

**Description:** Anatomy and Physiology Honors provides students with advanced knowledge of the structure and function of the components of the human body. Topics will include, but not be limited to, anatomical terminology, directional terminology, cells and tissues, systems of the body



(ex. Skeletal, muscular, cardiovascular, etc.), diseases and inheritance. There are unit tests, major projects, papers, guest speakers and laboratory dissections, as well as lab practicals.

# Marine and Environmental Sciences Program

*The program includes: Marine Science Honors, Ecology Honors and AP Environmental Science. Students who successfully complete all three courses with a B+ or higher are awarded the Marine and Environmental Sciences Scholar Award.*

## MARINE SCIENCE HONORS

**Prerequisite:** Biology

**Grade Level(s):** 10, 11 & 12

**Description:** Marine Science Honors explores marine biology, oceanography, geology and natural resources.

Students participate in fieldwork, laboratories, aquaculture of bivalves and class activities to strengthen scientific knowledge, research skills and field sampling methodologies. The unique location of Saint Edward's

School and campus access to the Indian River Lagoon estuarine ecosystem provides immersive and inquiry-based learning opportunities within one of the most biologically diverse estuaries in North America. An extensive amount of laboratory classes incorporate fieldwork within the lagoon and barrier island habitats. Current marine research is infused throughout this class to further expand scientific literacy and provide both practical application and vision for the future of marine research.



## ECOLOGY HONORS

**Prerequisite:** Biology

**Grade Level(s):** 10, 11 & 12

**Description:** Ecology Honors is an advanced course that explores the aquatic and terrestrial habitats, vegetation, wildlife, conservation issues and management of Florida's diverse natural ecosystems and their complex ecology. Students apply ecological principles and field sampling methodology to study and compare

abiotic and biotic characteristics of the environment within estuaries and oceans, salt and freshwater marshes, lakes, rivers and terrestrial scrub and pine flatwoods habitats. An emphasis is placed on vertebrate species of mammals, amphibians, reptiles, fishes and birds, in addition to native plants within each region. Additionally, we investigate anthropogenic impacts on each ecosystem as well as the conservation and management practices related to current ecological studies and restoration. Group research projects, research posters and presentations are required.



## AP ENVIRONMENTAL SCIENCE

**Prerequisite:** Biology and Chemistry.

**Grade Level(s):** 11 & 12

**Description:** AP Environmental Science is designed to engage students with the scientific principles, concepts and methodologies required to understand the interrelationships within the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks

associated with these problems and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry and geography.

# RELIGION COURSES

## ETHICS HONORS

**Prerequisite:** N/A

**Grade Level(s):** Most often 9, but open to 9, 10, 11 & 12.

**Description:** Ethics are the moral principles that guide one's life choices. As Saint Edward's is a school in the Episcopal tradition and this class is the lone offering in the Religion Department, Honors Ethics approaches the subject from a Judeo-Christian perspective. Time is spent considering Greek and Roman ethics, as well as through Virtue ethics but also through several divergent philosophical schools. Some attention is spent on various worldviews that had influenced our world. Some time is spent also on case studies to bring Ethics alive. This one-semester class is required for graduation and is deemed valuable by the SES community in forming students to become virtuous citizens with a strong moral compass.





# PERSONAL FITNESS AND STUDY SKILLS COURSES

## CROSS TRAINING

**Prerequisite:** N/A

**Grade Level(s):** 9, 10, 11 & 12

**Description:** Cross Training is an elective course offered to students who enjoy an established regimen of personal fitness and competitiveness within the planned physical activities to create an enjoyable experience while challenging peer interactions during the dynamic activity(s). The daily health benefits of this course include the ability for students to recreate and enjoy positive social interaction with peers during the school day and the additional brain and body fitness aspects associated with daily activity.



community and successful leaders in the future.

## STUDY SKILLS

**Prerequisite:** N/A

**Grade Level(s):** 9

**Description:** Study Skills focuses on study strategies, as well as an exploration of personal responsibility, emotional intelligence, adaptability and self-motivation. These self-development skills are pivotal for high school students to learn and practice in order to become more active, confident and contributing members of their school