



Upper School Curriculum Guide

2017-18

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MATH

Required classes: Algebra 1, Geometry, and Algebra 2

Required credits: 3

7th Grade	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
Pre-Alg	8th Gr. Math	Algebra 1	Geometry	Algebra 2	Pre-Calc
			Geom & Alg2	Pre-Calc	Calc
8th Gr. Math	Algebra 1	Geometry	Algebra 2		AP Calc
		Geom & Alg2	Pre-Calc		Calc
Algebra 1	Geometry	Algebra 2		AP Calc	
			Statistics	Statistics	Statistics
			Discrete	Discrete	Discrete

Algebra 1 (1.00)

Algebra 1 is a student's first course in symbolic mathematics. It is within this course that students are first made aware of variable expressions as representations of real numbers. Students learn how to manipulate these variables using familiar arithmetic and exponential operations. Topics include: polynomials, fractions, an introduction to functions, quadratic functions, matrices, systems of linear equations, rational and irrational numbers and probability.

Geometry (1.00)

The mathematics of the perfect. Geometry gives students the opportunity to make conjectures and prove that their ideas follow logically from their hypotheses. Congruence and similarity will be established. Transformations and coordinate geometry will be used to establish and verify geometric relationships. Properties of triangles, quadrilaterals and circles will receive particular attention. Students will use the traditional tools of compass and straightedge as well as dynamic geometry software (such as the Geometer's Sketchpad, Geogebra and Desmos) that models these tools more efficiently and accurately. Prerequisite: Algebra I (*Note: Placement exam required for 9th grade students, who are accepted into the class for a probationary period of the first quarter.*)

Algebra 2 (1.00)

Prerequisite: Algebra 1

Algebra 2 is a course that extends the content of Algebra I and provides further development of the concept of a function. Topics include: (1) relations, functions, equations and inequalities; (2) conic sections; (3) polynomials; (4) algebraic fractions; (5) logarithmic and exponential functions; (6) sequences and series; and (7) counting principles and probability.

PreCalculus (1.00)

Prerequisites: Minimum 73% in Geometry, Algebra 2.

Basic algebraic concepts, as well as linear, exponential, power and periodic, polynomial and rational functions. Introduction to trigonometric functions and their inverses trigonometric graphs and analytic trigonometry with additional topics. **There is an \$80 lab fee for this course.**

Calculus (1.00)

Prerequisite: PreCalculus

Calculus students will work to develop an intuitive understanding of the concepts of Calculus, and will gain experience with its methods and applications. Students taking this course must have demonstrated mastery of algebra, geometry, coordinate geometry and trigonometry in addition to elementary functions. These functions include algebraic, trigonometric, exponential and logarithmic functions and their inverses.

Calculus for AP AB Exam (1.00)

Prerequisite: PreCalculus

In this course, students will work to develop an intuitive understanding of the concepts of Calculus, and will gain experience with its methods and applications. The content of this course is designed to mirror that of a one semester college calculus course, and the course will follow the guidelines set forth by the College Board for AP Calculus AB. Students are required to take the AP Exam, exam fee \$90.

Statistics (1.00)

Prerequisite: Algebra I

Data is messy - Statistics helps us clean it up. This is an activity-based course which exposes students to exploratory analysis, planning a study, modeling using probability and simulation, and testing hypotheses using statistical inference. Statistical computer software will be used, and the TI-84 + graphing calculator will be necessary tool. Students will work on projects involving the gathering and analysis of real-world data.

Discrete Mathematics (.25) Semester I

This first semester class is an introduction to the mathematical solving of discrete rather than continuous problems. Topics will include logic, Boolean algebra and set theory. These topics are important tools for computer science – in addition to being some of the most interesting modern mathematical fields. Applications and modeling are central to this course of study. Meets every other day.

Discrete Mathematics B (.25) Semester I

This second semester class is an introduction to the mathematical solving of discrete rather than continuous problems. Topics will include graph theory, combinatorics, apportionment and voting theory. These topics are important tools for computer science – in addition to being some of the most interesting modern mathematical fields. Applications and modeling are central to this course of study. Discrete Mathematics A is NOT a prerequisite for this class. (Instructor: Ms. Baker)

Math Skills (.25) semester I,II, or year

A course designed for 9th and 10th graders who need to brush up on basic math skills or who need some extra help in math classes.

Financial Literacy 101 (0.25) Semester I orII

“Financial freedom is available to those who learn about it and work for it.” ~ Robert Kiyosaki

“A big part of financial freedom is having your heart and mind free from worry

about the what-ifs of life.” ~ Suze Orman

Less than half of high school seniors qualify as financially literate, and more than 7 million borrowers are in default on student loans for college. Students are facing tremendous financial challenges without the basic knowledge needed to thrive in today's global economy. This dynamic elective course is designed to provide 9-12th grade students with an introduction to financial literacy. It features engaging design, student-centered activities, research projects, discussion points, and tools and resources – all designed to engage students in learning the personal finance skills they need to succeed in life after high school. (Mr. Fletcher)

SCIENCE

Required classes: Physical Science & Biology

Required credits: 3

9th	10th	11th	12th
Physical Science	Physical Science	Chemistry	Chemistry
Biology	Biology	Criminology	Criminology
		Marine Biology	Marine Biology
		Forensics	Forensics
			Physics

Biology (1.00)

Cell structure and function, chemical compounds of life, genetics, evolution, plants, invertebrates, vertebrates, human anatomy and system function. There is a strong emphasis on lab, field studies and research skills.

Physical Science (1.00)

An Introductory course to chemistry and physics. Topics include: scientific method, metric system, density, phases, atomic structure, periodic table, chemical bonding, types of reactions, acids and bases, nuclear physics, waves, light, sound, electricity, and magnetism.

Chemistry (1.00)

Prerequisites: Physical Science, Biology, enrollment in Algebra 2 or higher math

Chemistry is the study of the structure and composition of matter, how it changes, and the mechanisms of those changes. Topics include: metric system, scientific notation, significant figures, atomic structure, chemical bonding, chemical composition, equation writing, gas laws, thermodynamics, solutions, acid/base theory, equilibria, and electrochemistry.

Physics (1.00)

Prerequisites: Physical Science, Biology, enrollment in PreCalculus or higher math

The universe is no open book. Physics is our attempt to peek behind the curtain of nature and see how it really is. The course provides students with an introductory experience in the concepts and methods of physical analysis, focused on classical mechanics and simple electrical circuits. Students will develop scientific models, evaluate them and then apply those models in problems. Building the ability to reason qualitatively and quantitatively is a primary focus, with inquiry and investigation, symbolic algebra, unit analysis, communication and argumentation, data analysis and integration and application of concepts as emphasized skills.

Forensics (1.00)

Prerequisites: Physical Science, Biology

Introduction into the laws and guidelines that regulate field investigations and discoveries. Lab investigations involving field techniques used during forensic analysis. Fingerprinting, bone analysis, hair analysis, bite marks, tissue samples, excavation, blood types, blood designs, tire and shoe print analysis, gender, age and race analysis.

Marine Biology (1.00)

Prerequisites: Physical Science, Biology

This course introduces the diverse array of marine organisms and marine habitats to students. Examination of the ecology of oceans from the intertidal to the deep sea is the basis of the course. Emphasis is on adaptation to environmental factors and ecological relationships. The course includes field studies conducted near Salt River.

Environmental Science (1.00)

Prerequisites: Physical Science, Biology

This course introduces topics of the environment and environmental issues that impact the world. Discussion on population studies, climate change, deforestation, diseases, watersheds, pollution and biodiversity will be covered. This is a lab based course and requires off campus studies and investigations a couple of days a week.

Criminal Justice Community Corrections (1.00)

Prerequisites: Physical Science, Biology

This course will explore the judicial system and the application of community corrections locally and globally. Discussion on juveniles, women and men in the system, as well as the impact financially and socially to the community will be covered. Statistical comparisons and model development will be applied. Comparison of probations, parole, work release, study release and halfway house programs will be evaluated. Lab application require off campus studies and interviews.

Science Fair (.25) Semester I

This class is **required** for all incoming 9th grade students, as well as all 10th grade students who did not participate in Science Fair last school year. It is open to any student in any grade if they are participating in science fair, though in this case the class is optional.

ENGLISH

Requirement: 4 English Credits

9th	10th	11th	12th
Full Year Courses			
		AP English Lit and Comp	AP English Lit and Comp
Semester 1 (Several classes have a part 1 and part 2. It is not mandatory to take part 1 in order to take part 2)			
Coming of Age and the Quest for Identity I	Coming of Age and the Quest for Identity I		
Meaning Making Through Literature I	Meaning Making Through Literature I		
	World Literature I	World Literature I	
	Jazz, Literature and Democracy	Jazz, Literature and Democracy	Jazz, Literature and Democracy
	Contemporary Literature	Contemporary Literature	Contemporary Literature
		British Literature	British Literature
		Culture Clash I	Culture Clash I
Semester 2 (Several classes have a part 1 and part 2. It is not mandatory to take part 1 in order to take part 2)			
Coming of Age and the Quest for Identity II	Coming of Age and the Quest for Identity II		
Meaning Making Through Literature II	Meaning Making Through Literature II		
	World Literature II	World Literature II	
	Hip Hop & Literature	Hip Hop & Literature	Hip Hop & Literature
	World Drama	World Drama	World Drama
		Culture Clash II	Culture Clash II

Full Year Courses:

Advanced Placement English Literature & Composition (1.00)

Instructor: Mr. Canning

Grades: 11, 12

This college-level English course engages students in the careful reading, explication and critical analysis of imaginative literature from various genres and time periods, concentrating on works of recognized literary merit. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style and themes, as well as the use of figurative language, imagery, symbolism and tone. As we pursue a rigorous curriculum of intensive close-reading, students will learn to analyze and interpret imaginative literature and to write about it in lucid and persuasive prose. Students in this class are required to take the AP Exam -\$90 exam fee

Semester 1 Courses:

Coming of Age and the Quest for Identity I (0.5)

Instructor: Ms. Wilson

Grades 9-10

We will explore the complementary themes of coming of age and the quest for identity. The thematic focus of this course provides us with a platform from which we can develop our skills as critical thinkers, readers, and writers. In our reading and discussion of various texts—including short stories, poetry, novels, and films—we will consider both the meaning and form of the works. This is a writing intensive class and will fulfill your English/Writing Workshop requirement. Throughout the course we will write in a variety of genres including personal narrative, reflection, and literary analysis.

Meaning Making Through Literature I (0.5)

Instructor: Unknown

Grades 9-10

What does it mean to live a meaningful life in the 21st century? What does it mean to be a good human being? How can literature help us to live a good life? We will explore these questions and others in both classic and contemporary works of fiction and nonfiction. This is a writing intensive class and will fulfill your English/Writing Workshop requirement. Throughout the course we will write in a variety of genres including personal narrative, reflection, and literary analysis.

World Literature I (0.5)

Instructor: Mr. Canning

Grades 10-11

Students focus on the critical analysis of major, canonical texts of world literature. As a class we will read, discuss and write critical essays on novels, poetry, drama and nonfiction produced in cultures the world over; from ancient to modern times. Bi-weekly Vocabulary -in-Context Units as well as literary terms/rhetorical devices and grammar & syntax units will supplement our reading and discussion of these texts. Daily Critical Reading Journal entries and regular BLOG posts will foster critical engagement with the texts while encouraging an interactive approach to reading. Essays and projects involving critical analysis of major themes in the literature under consideration will be assigned on a regular basis.

Jazz, Literature & Democracy (0.5)

Instructor: Mr. Canning

Grade 10, 11,12

The course explores the uniquely American art form known as “jazz” and considers ways in which jazz can be understood as an apt metaphor for the American experience and the fundamental principles of living democracy. Looking at trends in American history through the specific lens of jazz will provide students with a unique understanding of American life and will offer a glimpse of trends that helped shape American literary and artistic experience during the 20th century. Our primary focus will be an examination of the relationship between jazz and literature and an exploration of the ways in the history and culture of jazz have impacted American literary arts. The work of writers and poets such as Langston Hughes, Etheridge Knight, Ralph Ellison, James Baldwin, Jack Kerouac, Gary Snyder and others will be considered in the light of the music of Charlie Parker, Louis Armstrong, Miles Davis, Sonny Rollins, Billie Holiday and other prominent 20th century jazz artists. Ken Burns’ ten part documentary series on the history of jazz will provide a fulcrum for our exploration of the impact jazz has made on American culture and history.

Contemporary Literature (0.5)

Instructor: Ms. Wilson

Grades 10-12

We will focus on literature written across all spectrums within the last 50 years, with emphasis on Pulitzer Prize winners, best-sellers, Caldecott winners, Newbery Award winners, Nobel Award winners, and books adapted for the movie screen.

British Literature I (0.5)

Grade 11, 12

This class traces the evolution of British Literature from the Norse-based epic, *Beowulf*, through *The Canterbury Tales*, Elizabethan literature (Shakespeare, Marlowe, etc.) through the Victorian Age (*The Importance of Being Ernest*, *Pride and Prejudice*). Students will examine how English history and literature are essentially inseparable—one is both the cause and effect of the other at all times. Students will study a variety of genres including epic poetry, plays, novels, and non-fiction. In addition, students will write for a variety of purposes and do group projects and performances. AP Exam optional -\$90 exam fee

Culture Clash I (0.5)

Instructor: Ms. Wilson

Grades 11-12

What happens when cultures clash? Do people run? Fight? Seek to understand? What do you do or will you do when your culture clashes with another’s? In this course, we will examine some interesting clashes in culture through literature and writing: racial, class, religious, gender, immigrant, and age clashes to name a few. We will read from a selection of the following texts: *The Interpreter of Maladies*, *The Namesake*, *The Joy Luck Club*, *The Brief Wondrous Life of Oscar Wao*, *A Thousand Splendid Suns*, *The Power of One*, *Middlesex*, *The Mambo Kings Play Songs of Love*, *The Red Tent*, *A Long Way Gone*, *In One Person*, and *Night or Schindler’s List*. This course will be supplemented through: film, short stories, essays, class discussion, journal writing, and guest speakers when available. In addition, we will look at the modern world and examine culture clashes that are occurring even now.

Semester 2 Courses:

Coming of Age and the Quest for Identity II (0.5)

Instructor: Ms. Wilson

Grades 9-10

This is the second part of a two section course. It is not required to take the first section to enroll in the second.

Meaning Making Through Literature II(0.5)

Instructor: TBA

Grades 9-10

This is the second part of a two section course. It is not required to take the first section to enroll in the second.

World Literature II (0.5)

Instructor: Mr. Canning

Grades 10-11

This is the second part of a two section course. It is not required to take the first section to enroll in the second.

Hip Hop & Literature: From Toni Morrison to Kendrick Lamar to Hamilton (0.5)

Instructor: Mr. Canning

Grade 10,11,12

This course focuses on classic and contemporary novels and poetry and examines them through the modern lens of the hip hop tradition. By integrating elements of hip hop culture into our analysis of literary texts, this class seeks to bring a culturally responsive pedagogy to issues of social justice, multiculturalism, racial identity and immigration that are common to both hip hop music and contemporary literature. The history of hip hop will be explored in detail and artists from Kendrick Lamar to Tupac, to Frank Ocean will be considered alongside the work of writers and poets including Langston Hughes, James Baldwin, Toni Morrison, Ralph Ellison and others. Students will learn to develop a critical lens through which to read the modern world and will work to develop and express their own voices through the writing of analytical essays, poetry and hip hop lyrics. A sustained exploration and celebration of the Crucian dialect will be embedded in course content and students will learn to translate excerpts of classic texts into vibrant, contemporary Crucian. Finally, the course will utilize Lin-Manuel Miranda's recent Broadway sensation Hamilton as a vehicle for exploring democracy, multiculturalism and the founding myth of America.

World Drama (0.5)

Instructor: Ms. Wilson

Grades 10-12

This course will immerse you in the study of plays from the classical to contemporary periods. Some of the things you will learn about are the Greek Theatrical Traditions (Sophocles), Medieval Theater (Morality Plays), Elizabethan Theater (William Shakespeare), Victorian Theater and Modern American Drama (Arthur Miller, Tennessee Williams). The course will provide a historical framework to enhance the appreciation and understanding of those works. The coursework also includes review and instruction through a wide range of media including text, film, audio recording, and live performance. Reading, discussion, writing and performance will be included in the course.

Culture Clash II(0.5)

Instructor: Ms. Wilson

Grades 11-12

This is the second part of a two section course. It is not required to take the first section to enroll in the second.

Journalism (.25- 0.5) Semester I,II, or year

Students learn the fundamentals of journalistic writing, with emphasis on news, feature and editorial articles. Students will write ten pages of articles each quarter. The class produces the school newspaper, *CDS XPress*. For students interested in writing for self expression and/or communication, or who desire to tap their creative side to see what my lie there! Study some material by gifted writers from various time periods, but primarily the students will amass a portfolio of their original work, playing their creative craft in many genre from prose and poetry, to journals and letters, to stories for teens or children, and skits or other dramatic writings. (Ms. Grace)

Creative Writing (.25- 0.5) Semester I, II, or year

For students interested in writing for self expression and/or communication, or who desire to tap their creative side to see what my lie there! Study some material by gifted writers from various time periods, but primarily the students will amass a portfolio of their original work, playing their creative craft in many genre from prose and poetry, to journals and letters, to stories for teens or children, and skits or other dramatic writings. The class will also participate in the preparation of a *GHCDs Literary Journal* (Ms. Grace)

Poetry Writing (.25- 0.5) Semester I, II, or year

The emphasis in this class will be writing poems. Desire to write poetry is the requirement. Students will share in critiquing and encouraging each other to polish their work. Those who wish to work toward publication or oral presentation will be encouraged and guided. The goal is a portfolio of new, polished work. All genres, styles and topics will be embraced. (Ms. Grace)

Public Speaking/Debate (.25) Semester II

This elective will take a fun and effective approach to developing and refining your public speaking skills through extemporaneous debate. We'll work on staging, articulation and elocution as well as content and strategies for overcoming any personal barriers to public presentations, interviews or speech-making. Methods will include daily debate and the use of flowcharts, viewing famous speeches, and critique. (Ms. Thatcher)

SOCIAL STUDIES

Required Credit: 4

9th	10th	11th	12th
Full Year Options			
	AP US History	AP US History	AP US History
	US History	US History	US History
	Sociology	Sociology	Sociology
Semester 1			
US Government	US Government	US Government	US Government
	World History (Democracy)	World History (Democracy)	World History (Democracy)
	Microeconomics	Microeconomics	Microeconomics
			Civics
Semester 2			
VI History	VI History	VI History	VI History
World Revolutions	World Revolutions	World Revolutions	World Revolutions
	World History (African)	World History (African)	World History (African)
	Macroeconomics	Macroeconomics	Macroeconomics
	20th Century Caribbean History	20th Century Caribbean History	20th Century Caribbean History

Requirements

- VI History
- US Government (or Civics equivalent for current high school students)
- 1 semester of a class that counts as World History
- 1 year of US History
- 4 years of Social Studies
- 4 years of English

Full Year Options:

AP US History (1.0)

Instructor: Ms. Guerra

Grades 10-12

Historical eras covered begin with the Native Americans and continue through to the present day. Emphasis is on critical thinking skills, primary source analysis, understanding historical patterns and constructing well-written essays. Students who take this class must commit to at least 3 out-of-school hours every month (usually Saturday mornings or after school), and two weeks of intense review sessions before the exam in May. This class is for serious students who enjoy reading and writing. APUSH students should expect at least an hour a night of homework as well as summer and winter break assignments. It is highly suggested that if you are interested in taking AP US History in your high school career, that you take it in 10th grade. Exam fee.

US History I (1.0)

Instructor: Ms. Guerra

Grades 10-12

In this project-based and writing-intensive class, students will explore several topics in-depth in American history in the period between the English arriving in Jamestown in the early 1600s through present times. Topics might include the following: colonial America, slavery, Manifest Destiny and expansion, the Civil War, and Reconstruction, immigration, the Gilded Age, the Spanish-American War, World War I and II, post-War culture, the Civil Rights Movement, Vietnam and protest movements in the 1960s and 1970s. Students will learn critical thinking, primary source analysis, and writing skills. Students will also explore themes such as politics and power; justice and equality; identity; democracy; peopling; imperialism; and ideas, beliefs, and culture, and will connect what they are learning about the past to current events. Students will produce a research paper that they may be able to use as a jumpstart for their senior thesis.

Sociology (1.0)

Instructor: Mr. Fletcher

Grades 10-12

Sociology is the study of social behavior and the structuring of society. This course will explore sociological explanations of some key challenges that face our society. The overall aim of the course is to introduce a new perspective - a sociological perspective - in order to ask and answer questions about our social world. In this class, we will use readings, class discussions, film, music and other sources to explore and critically analyze topics such as culture, race, class, gender, social movements, poverty, education, and globalization. These are only a few of the topics that sociologists study.

What makes sociology unique is not the subject matter that it examines, but the perspective with which it approaches the subject. In this way, sociology is different from other social sciences because it offers social explanations of what people do and why. In this introductory course, we will gain an understanding of the factors that contribute to individual identity and development, and learn to use the “sociological perspective” to think critically and analytically about our lives within the wider surrounding world, which represent enduring skills that will serve us not only in any field of study, but indeed throughout our entire lives. Expect to complete several independent and group projects each quarter.

Semester 1 Courses:

US Government (0.5)

Instructor: Mr. Fletcher

Grade 9-12 (Mandatory for 9th grade, open to those who need a Civics credit)

Since the revolutionary founding of the United States of America, it has been recognized that the preservation and healthy functioning of our unique and continuously-evolving democracy requires that citizens play an active role in what is ultimately a system of self-government. For citizens to effectively assume such a role requires an informed understanding of the structure of their rights and responsibilities as citizens, the purpose and functions of government, and the interaction between the two. Topics to be covered throughout this course include: political philosophies upon which the republic was founded, constitutional underpinnings and structure of American government, political beliefs and behaviors, political parties, interest groups, campaigning and elections, branches of government and various institutions, U.S. territories, and public policy development and civil liberties. Required for all 9th graders, and open to those who need a Civics credit in order to graduate. Expect a significant amount of outside reading, in addition to one 4-6 page research paper each quarter.

World History: The History of Democracy (0.5)

Instructor: Ms. Guerra

Grades 10-12

In this project-based class, students will explore the history of democracy around the world. Topics might include: the development of democracy in Ancient Greece, Britain, France, Russia, South America, and the Caribbean. We will explore instances when democracy has been threatened such as during periods of colonization and imperialism, World War I, the Spanish Civil War, and World War II. We will also examine current examples around the world and within the United States of democracy being promoted or threatened. Students will learn critical thinking, primary source analysis, and writing skills.

Microeconomics (0.5) Semester I

Instructor: Mr. Fletcher

Grades 10-12

This semester-long course will serve as an introduction to the study of economics. Required for all seniors. Topics covered include scarcity, opportunity costs, types of business organizations, demand, supply, elasticity, prices and decision making, competition, market structure, market failure, the role of government and comparative economic systems. Expect a significant amount of outside reading, in addition to one 4-6 page research paper each quarter

World Revolutions (0.5) Semester II

Instructor: Mr. Fletcher

Grades 9-12

From antiquity to modern times, revolutions have shaken the world. At times revolutionaries won extraordinary victories, at other times suffered shattering defeat. This history course sheds light on successes and failures of major revolutions in modern history, from the French Revolution of 1789 to the Arab Spring in 2011. We will explore the introduction of new ideologies, such as of Liberalism, Nationalism, Marxism, and Political Islam, through the history of Revolutionary Mexico, the Revolution in China, the Bolshevik Revolution in Russia, the 1979 Revolution in Iran and the South African anti-apartheid movement.

Students will actively engage with the central question of why human history in the last 250 years has witnessed periods of profound transformation. Were they driven primarily by technological and economic developments, or were new ideas and philosophies the most important agents of rapid historical change? What role was played in these transformations by individuals and by governments? What exactly do we mean by the term 'revolution', and how legitimately can the word be applied to the events that we cover in this course? This course has three main objectives. Firstly, it will ask students to engage with some of the most important debates about the factors that led to rapid historical change. Secondly, the course furnishes students with an overview of the 'big picture' of world history across the last 250 years. Students will acquire essential contextual knowledge which will enrich their understanding of almost any subsequent course they take in history or the humanities. Thirdly, the course will facilitate students' understanding of the world in which they live by exploring some of the key developments that have shaped our common history. The course allows for insights into our own rapidly changing era by exploring other revolutionary episodes in our past. Expect a significant amount of outside reading, in addition to completing one 4-6 page research paper each quarter.

VI History (0.5) Semester II

Instructor: Ms. Guerra

Grades 9-12

Through readings, discussions, projects, and field trips, students will learn about VI History from its earliest inhabitants to current discussions about our territorial status. Students will explore slavery and resistance, colonization, emancipation, early labor movements (with David Hamilton Jackson and the Queens of the Fireburn), the transfer from Denmark to the United States, cultural history, as well as current movements for self-determination. This is a graduation requirement.

Macroeconomics (0.5) Semester II

Instructor: Mr. Fletcher

Grades 10-12

This course will focus on "big picture" economic phenomena including labor markets, tax systems, national deficits and debt, money and banking, monetary and fiscal policy, measuring national output, economic growth and business cycles, stabilization policies, types of unemployment, inflation, income distribution, international trade, absolute and comparative advantage, comparative economic systems, developing countries and global economic challenges. Expect a significant amount of outside reading, in addition to completing one 4-6 page research paper each quarter.

World History: The History of Africa (0.5) Semester II

Instructor: Ms. Guerra

Grades 10-12

In this project-based class, students will explore the history of Africa from antiquity to the end of colonization. Through primary source analysis, discussions, and projects, students will study Nile Valley civilizations; the rise of Islam in Africa; the West African empires of Ghana, Mali and Songhai; the slave trade; European colonization, and the efforts towards self-determination and decolonization.

20th Century Caribbean History (0.5)

Instructor: Mr. Fletcher

Grades 10-12

In this course will focus on the following historical phenomena: the rise of nationalism in the anglophone Caribbean between the 1930s and 1960s, the internal and external causes of decolonization, Marxism and the revolutions in Cuba and Grenada, the rise of the U.S. as an imperial power, and the economic effects of globalization.

Current Events (.25) Semester I,II

There is another aspect to education in addition to all of the memorizing, problem solving, and test taking. There is the idea that an individual should be able to understand, analyze and discuss what is happening in the world around him/her. Part of being educated is knowing how to react and relate to what is heard, what is shown and what is read in the headlines. This course offers limited exposure to what is happening in our world, and a chance to discuss and react to it.

ISMs (0.25) Semester II

Isms provides students with the tools to help create school environments where students feel empowered to change the world. By drawing direct connections to real world issues, Isms encourages students to question and re-think the world inside and outside their classrooms, build a more equitable, multicultural society, and become active global citizens. Isms will help students relate to the histories, cultures and languages of people different from themselves. Isms encourages academic excellence that embraces critical skills for progressive social change. (Ms. Grace)

Editorial Cartooning Theory and Practice (.25) Semester II

In this course we will theorize the socio-political roles of editorial cartoons, and use methodological approaches to cartoon analysis. This is also primarily a hands-on, participatory course, in which students are expected to regularly produce well-crafted and intelligent, fun and witty editorial cartoons. If you've never had an art course before, don't worry. If you can draw basic shapes or you're a compulsive doodler, you'll do fine. You'll learn tips and techniques on how to draw cartoony people, places, animals and things through numerous practical exercises and lots of practice. You'll also be exposed to learning how to hand letter like a professional. (Mr. Fletcher)

Introduction to Feminist Theory (.25) Semester II

This elective course is designed to provide students with an introduction to key directions and themes in contemporary feminist thought. Students will have an opportunity to read some classic texts as well as recent work. This course is not designed to be comprehensive or to cover all the debates and issues that have engaged feminists. Rather, this course aims to introduce students to key theoretical contributions of feminist thought. The course is focused on theory and is not designed to systematically cover the history of women's movements, although discussion of political/social movements will be included when appropriate. (Mr. Fletcher)

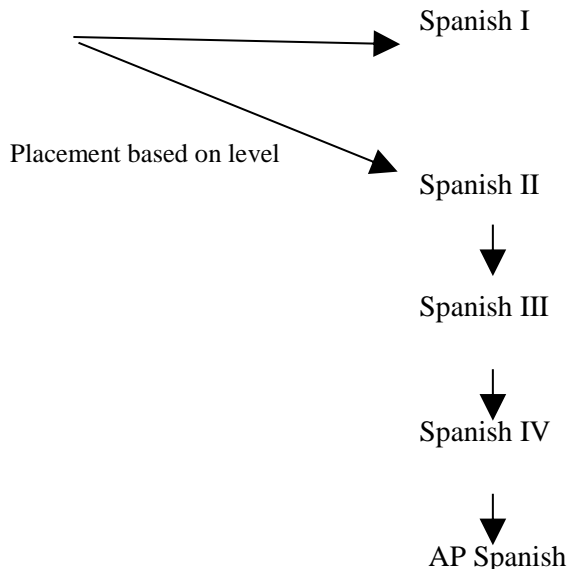
LANGUAGES

Required Credits: 22 (does not include Spanish 1 or French 1 taken in the 8th grade)

Spanish:

Middle School

Spanish



Spanish 1 (1.00)

Instructor: Ms.Schill

This course will introduce the student to the sound system and grammatical structure of the Spanish language. The focus will be on developing and increasing skill levels in the areas of aural comprehension, speaking, reading, and writing. At the end of one semester, the student will have a basic understanding of grammar, including word formation, verb conjugations, idiomatic expressions, and will recognize cognates. Students will study practical Spanish vocabulary and the essential rules of Spanish grammar during class. This course will introduce students to the customs, music and culture of the Hispanic world. The teaching method is based on questions, drills and speaking practices, writing activities, singing and composing situational dialogues in Spanish with Hispanic cultural themes interwoven into each unit. While correct grammar is emphasized, the fundamental component of this course is on speaking Spanish through vocabulary study, conversational practice and oral grammar skills. **There is a \$10 on-line book fee for this class. Students are also required to buy a workbook.**

Spanish 2 (1.00)

Instructor: Ms.Schill

This course develops Spanish comprehension and fluency to an intermediate mastery of conversational Spanish. It reviews basic Spanish vocabulary and structures in order to strengthen self-expression and basic communication skills in functional contexts. Listening comprehension, speaking, reading and writing are further developed through expanded application of vocabulary and linguistic structures. The teaching method is based on questions, drills and speaking practices, writing activities, singing and composing situational dialogues with Hispanic cultural themes that are interwoven into each unit. It is intended for students to improve their pronunciation skills and vocabulary proficiency. Communication is relevant to students by using youth-related themes and by personalizing content with Spanish being the language of the classroom, with use of English being limited to explanation of grammar and clarification of instructions, whenever they are needed. **There is a \$10 on-line book fee for this class. Students are also required to buy a workbook.**

Spanish 3 (1.00)

Instructor: Ms.Capriola

This class is designed to build on intermediate skills to communicate in Spanish at a more advanced level. Students continually engaged in authentic communicative tasks. Students practice the language through in-class drills, listening activities and oral projects. They also read Spanish material from magazines and newspapers related to culture and literature and write compositions and dialogues to develop expressive skills. Students review concepts learned in the Spanish 2 course to reinforce the mastery of grammar and learn more advanced structures. Communication is relevant to students by using youth-related themes and by personalizing content with Spanish being the language of the classroom, with use of English being limited to explanation of grammar and clarification of instructions, whenever they are needed. **There is a \$10 online book fee for this class. Students are also required to buy a workbook.**

Spanish 4 (1.00)

Instructor: Ms.Capriola

This course is open to advanced level students who have mastered Spanish grammar and can read and write in Spanish at least on an Intermediate level. It will review and perfect Spanish grammar and structure, focus on pronunciation, conversation and listening comprehension and will include reading of classic Spanish literature revised for Intermediate and Advanced Spanish students. More emphasis will be placed on reading, writing and oral communication as well as listening comprehension. The class will be conducted completely in Spanish and the students are encouraged to use the target language consistently, not only in the school setting but also in different situations outside the school. **Students are required to buy a workbook.**

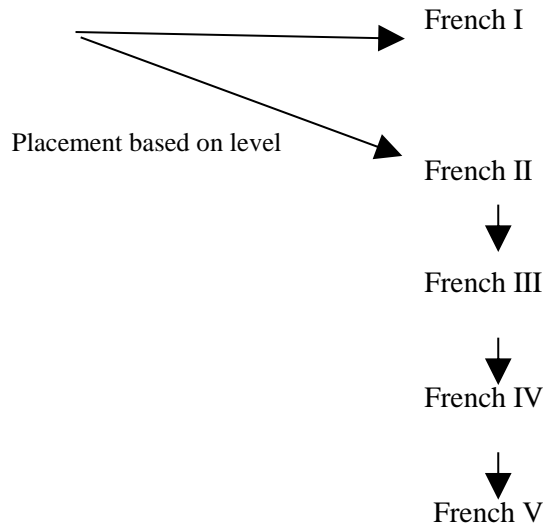
Spanish for the AP Language and Culture Exam (1.00)

Instructor: Ms.Capriola

This course has been designed to provide advanced high school students with a rich and rigorous opportunity to study the language and culture of the Spanish speaking world. The course also provides students with opportunities to demonstrate their proficiency in each of the three modes of communication: Interpersonal, Interpretive and Presentational. This class will develop advanced conversational and communicative skills through the practice of fluency and pronunciation. In order to effectively communicate, this course includes the review and enrichment of grammar concepts and vocabulary. Special attention is given to literary as well as current events. Our AP Spanish Language and Culture curriculum is composed of 6 thematic units established by College Board. The units cover a variety of social and cultural issues that are important to our global community. The end desire of teaching these units is to nurture the students' growth as they become Global Citizens and help them make cultural connections when comparing their individual communities to those of the Spanish Speaking world. The 6 Thematic Units are: Personal and Public Identity; Families and Communities; Science and Technology; Beauty and Aesthetics; Contemporary Life; and Global Challenges. Prerequisite: Successful completion of Spanish 4. **Students are required to buy a workbook. Students are required to take the AP Exam – exam fee - \$90.**

French:

Middle School
French



French 1 (1.00)

Instructor: Ms.Schill

This course will introduce the students to modern French and enable them to begin to communicate orally as well as through reading and writing. We will stress communication among students and between the student and the teacher. Vocabulary and grammar will be introduced and reinforced daily through written, spoken, and listening drills. By the end of the year, we will have mastered regular and irregular verbs in the present tense and be introduced to the passe compose tense. The French class also introduces students to a wealth of cultural information that will make them more aware of the world around them. Students are required to buy an activities workbook workbook.

French 2 (1.00)

Instructor: Ms.Logan

This course will continue to enhance the student's ability to communicate in French. Major grammatical points and vocabulary from French 1 will be reviewed. We will continue to stress communication among students and between student and teacher. Vocabulary and grammar will be introduced and reinforced daily through written, spoken, and listening drills. We will aim toward a more in depth understanding of the language and various aspects of French life. By the end of the year the passe compose tense of regular and irregular verbs will be mastered and reflexive verbs will be introduced. Students are required to buy an activities workbook and a grammar workbook.

French 3 (1.00)

Instructor: Ms.Logan

This course includes a review of vocabulary and grammatical points covered in previous years. The student will increase his ability to communicate orally in French and his reading, writing and listening skills. French history, culture, and literature will be introduced through supplemental readings and class discussions. We will aim toward a more in depth understanding of the language and various aspects of French life. By the end of the year the students will have learned imperfect, future simple, subjunctive, and conditional tenses. Students are required to buy an activities workbook and a grammar workbook.

French 4

Instructor: Ms.Logan

This course will allow the students to increase their ability to communicate orally in French and improve their reading, writing and listening skills. French history, culture, and literature will be introduced through supplemental reading and class discussions. We will concentrate on reviewing all vocabulary and grammar learned in the previous years. Supplemental texts and reading selections will be used. Students are required to buy a workbook .

French 5

Instructor: Ms.Logan

This course is the continuation of the French 4 class and will prepare the students for the study of French in college. The same workbook as in French 4 will be used.

Francophone cinema (0.25) Semester I, II, or year

This course is an exploration of the different cultures of France and the Francophone world through film. Through the screening and study of films from France, Africa, Quebec, the Maghreb, Vietnam, and the Caribbean, the course will delve into the heart of these societies and discover their socio-historical, political, economic and cultural context. Students will be expected to participate in discussions about the films as well as write reviews on them. Some of the films to be included (but not limited to):

"Indochine" -Vietnam

"Rue Cases-Nègres" -Martinique

"Lumumba" -Haiti/Congo/Belgium

"Inch'Allah Dimanche" -Muslim culture in France

"Les Intouchables" -France

"Le Grand Voyage" -France to Mecca

"Persepolis" -Iran to France(Instructor: Ms. Schill)

COMPUTER

Computer Science in the Modern World (.25) Semester I, II

This course designed to expose all students to the interdisciplinary nature of computer science in today's dynamic and globally connected society. Students will have the opportunity to explore the uses of computer science as a tool in creating effective solutions to complex contemporary problems. It is a required course for 9th graders and all students new to the school

Programming (0.25-.50) Semster I,II or year)

CS Programming introduces students to the central ideas of computer science, instilling the ideas and practices of computational thinking and inviting students to understand how computing changes the world. The rigorous course promotes deep learning of computational context, develops computational thinking skills, and engages students in the creative aspects of the field. (Instructor: Mr.Barrant)

Computer Science: Programming (1.00)

Students will deepen their knowledge and problem solving skills in the field of computer science. Students must complete or test out of Computer Science in the Modern World in order to take this course.

AP Computer Science (1.00)

AP Computer Science A is equivalent to a first-semester, college level course in computer science. The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design using Java language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. The AP Computer Science A course curriculum is compatible with many CS1 courses in colleges and universities. **\$90 exam fee**

Robotics (.25) Semester I, II or both

Using robots we will cover the fundamentals of problem solving, program design, algorithms and programming. A robot is an embedded system of software and hardware. Programming and building robots applies science, technology, engineering and math (STEM) concepts.

Adobe Photoshop CS4 (.25) Semester I, II, or both

Learn how to correct and enhance digital photos, create image composites, transform images in perspective, add special effects (including 3D features) and prepare images for print and the web. (Ms. Grace)

FINE ARTS

Art for the Advanced Placement Portfolio (1.00)

Grades: 12

Students complete a portfolio for advanced placement program or for submission in the college application process. Consent of instructor required. **\$90 Exam fee.**

Art History (1.00)

Grades: 9-12

In the first semester this class explores the history of art from prehistoric paintings through the Renaissance. The second semester presents art from the 18th century to the present. Open to all juniors and seniors, it is recommended for art students. (AP Art History Exam optional; \$90 fee)

Art 1 (.25) Semester I or II

This course is a drawing class in black and white. Pen and Ink, charcoal, pencil, printmaking will be used to produce works relating to perspective, figures, still life, and design. (Ms. Banwaree/Ms. Biddle)

Art 2 (.25) Semester I or II

This class continues the study of art from the first semester. This is a drawing class in color. Color theory will be explored through the use of pastel, oil pastel and color pencil. Problems incorporating realism, abstraction and design will be explored. Prerequisite: Art 1 or consent of instructor. (Instructor: Ms. Banwaree)

Advanced Art (.50) Semester I, II

This course offers the student the opportunity to continue concentrated work in any of the media areas learned in Art 1 or 2. Work in other areas can also be explored such as mix media, digital art, and independent projects. (Ms. Banwaree/Ms. Biddle)

Portrait Painting Using Photographic Sources (.25 - .50) Semester I,II

This class will emphasize the use of photographic references when painting portraits in oil or pastels. The teacher will assist you in going beyond the photograph and applying the same principles used in working from live subject. Anatomical proportion, composition, lighting, and oil painting techniques will be discussed and demonstrated. (Ms. Biddle)

Introduction to Hand-Building in Clay (.25 - .50) semester I,II

Hand-building and sculpting in clay offer exciting possibilities. Create vessels or small sculptural objects using coil and slab construction techniques. (Ms. Biddle)

Fashion Illustration (.25 - .50) Semester I

This course is to develop graphic skills necessary for the student interested in figure drawing or a fashion design career. Emphasis is placed on croquis rendering, fashion styles and fabrics in pencil and color, as well as, the method of drawing flats used in fashion design. (Ms. Banwaree)

Fashion Event Production (0.50) Year

Student will gain "hands on" experience in the design, development, direction and coordination of all aspects required to produce apparel for a fashion show. (Ms. Banwaree)

Printmaking (0.25-0.5)Semester I,II or year

This course investigates the creative possibilities of this unique process, which combines painting and printmaking. The use of oil – water-based inks and paints will be covered. Collage, multiple plates, and overprinting will also be taught with exciting results! We'll do other sorts of printing using block printing as well. (Ms. Biddle)

Yearbook (.25 - .50) Semester I, II, or year

Yearbook production for the current school year. Students must have taken Yearbook 1 or have instructor approval. This is a demanding class which requires time outside of class and school. Prerequisite: Photoshop (Ms. Grace)

PSYCHOLOGY

Psychology (.50-1:00) Semester I, II, or year

Grades: 11,12

This introductory-level course studies the growth and development of behavioral patterns within the individual. Included in these studies are: scientific methodology, biological psychology, learning, intelligence and its measurement, development, personality and abnormal behavior. Open to juniors and seniors only

Performing Arts (Semester I, II, or year)

Chorus (.25-0.5)

Concentrating on a variety of musical styles, the upper school chorus program consists of learning proper techniques of breath control and support, intonation, diction, tone, color, three and four part harmony, phrasing, balance, dynamics, articulation and expression as well as developing sight-singing skills, and a strong emphasis on ensemble as well as individual performance. An evening performance at the Winter Concert and an afternoon performance at the Botanical Gardens required. (Ms. Hotter)

Concert Band (.25-0.5)

Through rehearsal and performance of ensemble literature of varying styles, cultures and levels of technical difficulty, students will develop technical skills on their instrument of choice, will develop ensemble playing skills, will increase their sense of musical expression, including articulation, dynamics, phrasing and balance, and will improve their sight-reading and improvisation skills. Performance at the Winter Concert required. (Ms. Thompson)

Steel Pans (.25-0.5)

For beginners and advanced players. Performance at the Winter Concert required.

Fretboard Adventures: Guitar & Applied Music Theory (.25)

This class is a comprehensive introduction to playing the guitar (electric or acoustic). Students will learn how to apply rudimentary music theory to the guitar fretboard. Chords, scales, arpeggios and modes will all be covered and will be applied *in context* to songs, etudes and JAMS. Instruction will also be individualized and specific lesson plans/practice routines will be tailored to meet the needs of each learner. All are welcome: *from absolute beginners to advanced students*. Some guitars may be available for loan. (Mr. Canning)

Music Appreciation (0.25-0.5)

This elective class is designed to help students who may or may not be musicians explore and understand the origins and developments of music in the western world. Students will develop music listening skills along with an understanding of concepts and vocabulary used to describe or analyze a piece of music in an effort to broaden and enrich each student's enjoyment of music covering a wide variety of styles and historical periods. The influence of Asian, African, Chinese, Japanese, Native American and the international sounds of Islamic music in the world will also be discussed and explored. (Ms. Thompson)

Music Theory (.25-0.5)

This elective class will assist those musicians who want to improve their music reading abilities and listening skills. We will review keys, scales and harmonies which are the building blocks of western music. Playing simple chord progressions on the piano with an understanding of figure bass as first written by Johann Sebastian Bach will be taught. Examples of melodic and rhythm dictation will be played in order to develop each musician's ear so that what they hear, they can write using the correct music notation. All levels of musicianship will be considered with appropriate coursework given in order to best meet the needs of each developing musician. (Ms. Thompson)

Technical Theater (.25-0.5)

This course is designed to give the student hands-on training in all aspects of technical theatre. From stagecraft to lighting design, students will learn the skills it takes to create professional quality productions. Projects include: sound design, scenery construction, scenic painting, lighting design, stage management and properties design. (Mr. Barnwell)

High school theatre arts (.25-0.5)

This Theatre Arts course is an elementary survey designed to introduce students to the various elements of the theatre. We will then examine the role that acting, directing, sound, lights, set, and costumes play in the creation of a production. Finally we will learn and practice the basic methods of working comfortably on the stage, through warm-ups, monologues, and scene work. Basic techniques of movement, voice projection, character development, and performance will be emphasized. This is a highly participatory class. (Mr. Rick Starr)

Song Writing (.25-0.5)

Excite your imagination to help design distinctive songs. Students will learn principals of lyric writing, personality type and the creative process. (Instructor: Ms. Grace)

Physical Education(Semester I, II, or year)

Physical Education (.25-0.5)

High School Physical Education: The goal is to build healthy and physically fit, well rounded students in spirit, mind and body. The course will include sports and games, personal fitness, aquatic activities, film studies, and team building activities. Leadership and sportsmanship skills will be intertwined in all aspects. Classes are modified to meet the needs individual students, and personal setting will be taught and encouraged using positive reinforcement.

Beginning/Intermediate/Fitness Swimming (.25-0.5)

High School Swimming: This course is offered to non-swimmers, beginner swimmers and experienced swimmers. Non-Swimmers will receive swimming instruction to help them complete our swim requirements for graduation. Beginner swimmers will receive instruction to help them improve their skill level. Experienced swimmers will receive training suggestions as they challenge themselves to complete workouts.

Team Sports (.25)

Students may earn Physical Education credit for participating in organized sports team/activities that meet regularly before or after the regular school day.

ACTIVITIES/Service Opportunities

Activities are intended to introduce the student to a new experience or hobby, or to further enhance a subject in which the student already has an interest. (Semester I, II, or year)

Independent Learning Lab (I.L.L) (.25-0.5)

Using various distance learning opportunities, students can learn anything. The ILL will offer students an opportunity to study courses that are currently not available in our high school curriculum. It could be anything from learning Chinese to philosophy to music production. The sky is the limit. To browse through some available courses, go to Coursera.com or Udemy.com. You will choose your course and work at your own pace on it in the ILL under the supervision of a facilitator. Please note that some, but not all, courses require a fee. (Ms. Grace) <https://jgrace5.wixsite.com/ghcds-learninglab>

Quiz Bowl (.10-.25)

Students prepare for interscholastic and inter-island academic trivia competitions in the spring; includes learning facts and details covering all areas of curriculum. Open only to students serious about working towards our goal of becoming “Champions of the World.” (Mr. Fletcher)

Destination Imagination (.25-0.5)

Student teams work creatively on solving issues. (Ms. Wilson)

Basic Sewing/ Sew Powerful Purse Project(0.1-0.25)

This is a sewing lab for students of all sewing levels. It will provide the student the opportunity to develop basic sewing skills learned in the classroom and apply them to apparel and accessory project/s. This year participants will donate handmade purses to the Sew Powerful Purse Project. This organization is working hard to link seamstresses from around the world to combat extreme poverty by providing re-usable feminine hygiene supplies and health training to girls in Zambia. This enables them to attend school all month and improve their academic performance. (Ms. Banwaree)

Physiology and Music(0.1-.25)

How does music impact you physically? Exploring lyrics and music from the year 1950 to 2000. What do you hear? What do you see? What do you feel? (Dunton)

Reflexology (0.10-.25)

Learn the location of trigger and pressure points that connect you to the rest of your body! Reflexology and relaxation techniques will be explored. Loose fitting, comfortable clothing required. (Dunton)

Senior Yearbook

This class provides seniors with an opportunity to create and work on their individual page in the GHCDs Yearbook.(Ms. Grace)

Latin Dance (.10)

An introduction to the different Latin Rhythms: Salsa, Merengue, Cha cha, paso doble. Emphasis will be placed on salsa music. No experience necessary. (Instructor: Ms. Capriola)

Ukulele (0.1-.25)

For students who want to make music! Beginners or experienced ukulele players are welcome. (Ms. Grace)

Chess (.10-.25)

For students at all levels – from beginner to advanced. (Mr. Cresswell)

Moot Court (.25) Semester II

Moot court is a simulated oral argument, similar to an argument made before an appellate court. The argument lasts around fifteen minutes, during which time the attorney presents an argument and answers questions posed by the panel of judges. It is not a trial: there are no witnesses and no evidence. The arguments are evaluated on the application of the law to the facts of the case. Our school will compete in the District Moot Court Competition in May 2017. (Instructor: Pamela Colon. Esq & Ms. Thatcher)

SADD (0.1-0.25)

Students Against Destructive Decisions – We will discuss issues that affect teens today and how to avoid making detrimental decisions that can cost you your life. Class members will organize and present assemblies.

Teacher Assistant

Students work as aides to elementary, middle school and upper school teachers. Interested students are selected based on factors which include interest area, maturity and school needs. (Coordinator: Ms. Grey)

Tutor (.25 - .50 or 12 community service credits)

Students work as tutors for students from elementary to high school. Maturity and the ability to make a commitment are required. Also required is willingness and ability to work after school two or three days a week. (Coordinator: Ms.Grey)

College Prep

College Prep for Juniors

Juniors will begin searching schools, learning how to fill out college applications, writing their student activity resume, setting up their Naviance student account and preparing for the college application process in the Fall of their senior year. Test prep will be available during this time as well. **Required for all 11th grade students.** (Instructor: Ms. Thatcher)

College Prep

Required for seniors. This class provides an opportunity to meet with the college counselor while working on applications and essays.