



BAY RIDGE PREP CURRICULUM MAP

GRADE	HUMANITIES 4 years English req. 4 years History req.	SOCIAL SCIENCES	SCIENCE 4 years req.	MATH 4 years req.	ART, MUSIC, THEATER 4 years req.	WORLD LANGUAGES 3 years req.	PHYSICAL EDU 4 years req.
9	<p>ENGLISH LITERATURE 1* This required course explores ancient cultures and works of literature, including <i>Gilgamesh</i>, <i>The Iliad</i>, and <i>The Odyssey</i>. The course is paired with the Ancient History course.</p> <p>GLOBAL HISTORY/ANCIENT HISTORY/GEOGRAPHY* This required course includes topics such as the beginnings of civilizations and the advent of empires, early directions in government in society, classical Rome and Greece, the origins of religions, early advances in technology, and study of the Middle Ages.</p>	Social Science electives begin in 10 th grade.	<p>BIOLOGY* This required course introduces students to topics such as evolution, genetics, ecology, and the human body.</p>	<p>ALGEBRA 1* This required course is offered to incoming freshman, and includes topics such as solving equations, and a study of linear, exponential, quadratic, radical, rational and piece-wise functions.</p>	<p>INTRO TO MUSIC & THEATER In this course students gain perspective and insight into the traditions of both Western and non-Western music and theater, and how those traditions have shaped the arts in the past and into the present.</p> <p>STUDIO ART FOUNDATION 1 This course integrates ancient history and fine arts, introducing art from different cultures around the world.</p>	<p>SPANISH 1,2,3,Adv</p> <p>FRENCH 1,2,3,Adv</p> <p>ITALIAN 1,2,3,Adv</p> <p>LATIN (elective)</p> <p>ANCIENT GREEK (elective)</p> <p>HYBRID LEARNING CONORTIUM Online Course offered in American Sign Language, Mandarin, and other options.</p>	<p>DANCE This elective course is offered at varying levels for students in grades 9-12, based on need and interest. The course teaches the elements of dance, including varying styles and techniques.</p> <p>HEALTH This required course educates students to all areas of personal health, wellness, and individual lifestyle. Topics covered include social and emotional health, promoting safe and healthy relationships, abuse and violence prevention, and communicable diseases.</p>
10	<p>ENGLISH LITERATURE 2* This required course explores literature from the Middle Ages and the Renaissance. Student read works including <i>Beowulf</i>, <i>The Canterbury Tales</i>, and various Shakespeare plays. The course is paired with the Ancient History course.</p> <p>GLOBAL HISTORY/MEDIEVAL GLOBAL HISTORY*</p> <p>The course begins with the end of the medieval era and continues through the Renaissance, Age of Exploration, Scientific Revolution, Age of Enlightenment, Age of Imperialism, Industrial Revolution and the modern era.</p>	<p>SOCIAL PSYCHOLOGY This elective course introduces students to the study of the interaction between humans and their environment.</p>	<p>EARTH SCIENCE & LAB This course encompasses basic and advanced topics in geology, environmental science, oceanography, meteorology and astronomy.</p> <p>INTRODUCTION TO SCIENCE, RESEARCH & DESIGN This elective course serves as the first course in a three-year sequence introducing students to scientific techniques, investigation skills, and problem solving. Students explore a topic of their choosing and conduct research, culminating in an end-of-year symposium.</p> <p>(Modified Biology II available)</p>	<p>GEOMETRY This course is designed to emphasize the study of the properties and applications of common geometric figures in two and three dimensions.</p> <p>(Modified Algebra 2 available)</p>	<p>ARTS ELECTIVES</p> <ul style="list-style-type: none"> • Foundations of music • Theater • Music Theory and Composition • Studio Art II (Introduction to Artists, Art Periods, Techniques & Materials) 		<p>PHYSICAL EDUCATION This course is offered at each grade level from 9-12, and includes instruction in areas of personal fitness, exercise training, and sports instruction. Activities vary across terms and years, and may include additional specializations, such as dance, yoga and Tae Kwon Do.</p>

*A modified version of this class is available for students in our Bridge Program who require varying levels of modification to the curriculum and/or teaching methods



BAY RIDGE PREP CURRICULUM MAP

GRADE	HUMANITIES 4 years English req. 4 years History req.	SOCIAL SCIENCES	SCIENCE 4 years req.	MATH 4 years req.	ART, MUSIC, THEATER 4 years req.	WORLD LANGUAGES 3 years req.	PHYSICAL EDU 4 years req.
11	<p>AMERICAN LITREATURE* This required class includes discussion of oral Native American folklore, the chronicles of early exploration, the writings of the early settlers in the Americas and studies of such authors as Nathaniel Hawthorn, Mark Twain, Walt Whitman, Ralph Waldo Emerson, Henry David Thorough, F. Scott Fitzgerald & Tennessee Williams.</p> <p>AMERICAN HISTORY* This required course includes topics such as the early explorations of the Western hemisphere, colonization of the Americas by the Europeans, United States government and citizenship, the Revolution, industrialization, the World Wars, immigration and modern Western civilization.</p>	<p>INTRO TO PSYCHOLOGY This elective course introduces students to the scientific study of human cognition, emotion, and behavior. The course covers a broad range of key topics in the field, including neurology, sensation and perception, consciousness, learning theories, psychological disorders, and group/environmental factors that influence behavior.</p>	<p>CHEMISTRY This required course gives students an introduction and background into the atomic and molecular world.</p> <p>SCIENCE RESEARCH PRACTICUM This elective course serves as the second course in a three-year sequence. Students will refine research questions, present their research proposal to an institutional review board, and upon approval, engage in initial data collection.</p>	<p>ALGEBRA II/TRIGONOMETRY This required course is a continuation and extension of Algebra I and Geometry.</p> <p>GEOMETRY/ALGEBRA* This course is offered as an option for students who exhibited difficulties completing the Geometry sequence in 10th grade, or for students first entering the school who are not prepared for the required Algebra II course.</p> <p>PRECALCULUS This elective course covers topics such as functions and their characteristics, analysis of graphs and application to real-world situations, summation, higher-order functions, and matrices.</p>	<p>ARTS ELECTIVES</p> <ul style="list-style-type: none"> • Digital Arts • Drama • Music Meets Theater • Studio Art III 	<p>SPANISH 1,2,3,Adv</p> <p>FRENCH 1,2,3,Adv</p> <p>ITALIAN 1,2,3,Adv</p> <p>LATIN (elective)</p> <p>ANCIENT GREEK (elective)</p> <p>HYBRID LEARNING CONORTIUM Online Course offered in American Sign Language, Mandarin, and other options.</p>	<p>DANCE This elective course is offered at varying levels for students in grades 9-12, based on need and interest. The course teaches the elements of dance, including varying styles and techniques.</p> <p>HEALTH This required course educates students to all areas of personal health, wellness, and individual lifestyle. Topics covered include social and emotional health, promoting safe and healthy relationships, abuse and violence prevention, and communicable diseases.</p>
12	<p>ENGLISH LITERATURE IV* This senior course, modeled after a college level literature seminar, encourages students to explore the connection between famous works of literature such as Hamlet and A Streetcar Named Desire and the human experience.</p> <p>HONORS ENGLISH Shakespeare & Playwrights</p> <p>COLLEGE ENGLISH (Composition)</p> <p>MODERN WORLD HISTORY This college Prep course develops student historical literacy through seminar and group discussion of the modern era.</p>	<p>SOCIAL SCIENCES ELECTIVES</p> <ul style="list-style-type: none"> • Abnormal Psychology • College Psychology • Communication & Media • Intro to Neuropsychology • Intro to Speech and Language Pathology • Intro to Political Science • Psychology & Society <p>ADDITIONAL ELECTIVES</p> <ul style="list-style-type: none"> • Audio Engineering • Computer Programming • Greek Mythology • Myths, Legends, & Comic Book Heroes • SAT Prep 	<p>ADVANCED SCIENCE RESEARCH This elective course serves as the final course in a three-year sequence. Results of each student's study are presented at an end-of-year symposium.</p> <p>CURRENT TOPICS IN SCIENCE* Modified course to cover a variety of topics relevant to today's current social and political climate.</p> <p>12TH GRADE SCIENCE ELECTIVES</p> <ul style="list-style-type: none"> • Animal Behavior • Computer Science • Great Book of Science • Physics • AP Biology • AP Environ. Science • AP Physics 1 & 2 	<p>FINANCE* Designed as a primer for undergraduate studies in general economics, this course explores both microeconomic and macroeconomic principles within the field of Finance.</p> <p>ELECTIVES</p> <ul style="list-style-type: none"> • AP Calculus AB • AP Calculus BC 	<p>ARTS ELECTIVES</p> <ul style="list-style-type: none"> • Acting Shakespeare • Chamber Music • Digital Arts II • Digital Photography • Theater • Improvisational Theater • Music History • Music Theory Composition • Performing Arts in Current Events • Studio Art IV • Vocal Training/Chorus • Art Now • Art Psychology • Computer Graphics • Intro to 3-D Design • AP Art 2D Design • AP Art 3D Design • AP Studio Art: Drawing 	<p>PHYSICAL EDUCATION This course is offered at each grade level from 9-12, and includes instruction in areas of personal fitness, exercise training, and sports instruction. Activities vary across terms and years, and may include additional specializations, such as dance, yoga and Tae Kwon Do.</p>	