

SOCIAL STUDIES

410 Global History & Geography 9

Grade: 9

Unit of Credit: 1

Prerequisite: Social Studies 8

This is a two year course which chronologically examines Global History and Geography. The Grade 9 curriculum focuses on the history of civilization starting from the beginning of man to the Age of Enlightenment. Important historical, geographic, political and economic characteristics of the societies that developed in each region of the world are studied. Students study the six major themes of Global History: cultural diffusion, trade, migrations, belief systems, conflict, and the establishment of multi-regional empires; as well as the major events and turning points in history. These themes are supported by the emphasis on developing interpretation skills through the use of primary documents, secondary sources, political cartoons, map reading, and chart and graph interpretations. This course fulfills the first half of a two-year sequence. Students are required to take the New York State Regents Examination at the end of Global History and Geography 10.



416 Global History & Geography 9 Honors

Grade: 9

Unit of Credit: 1

Prerequisite: Social Studies 8 average of 95% (immediate acceptance)/92%-94% (application and assessment)

This advanced course for highly motivated students focuses on the history of civilization in Asia, Africa, Europe and the Americas. Important historic, geographic, political and economic characteristics of the societies that developed in each region are studied. The six themes of Global History and Geography – cultural diffusion, trade, migrations, belief systems, conflict, and the establishment of multi-regional empires – are analyzed through textbook, primary source and secondary source document readings. This course is both reading- and writing-intensive, requiring sophisticated abilities in these areas. Critical reading skills are developed through nightly readings, class discussions and assessments. Writing thematic essays and document based questions (DBQ) complement the higher order thinking skills that are emphasized in this course. *Students will compile a portfolio of coursework designed to aid in assessing the individual's ability to challenge the AP World History Course in the tenth grade.*

405 Social Studies Workshop

Grades: 9-12

Unit of Credit: None

Prerequisite: Departmental Approval

Students who need assistance with literacy and social studies skills as well as those who need to prepare for one of the two required social studies Regents exams will be assigned to a workshop.

MATH

715 Algebra

Grade: 9

Unit of Credit: 1

Prerequisite: Math 8

This course is a Regents math course covering the New York State Core Curriculum for Algebra I. The course provides a strong foundation in elementary algebra, functions and their graphs, and statistics. Topics include: equations and inequalities, operations with polynomials, factoring and quadratics, and systems of equations, with emphasis on using these skills to solve contextual problems. Students will take the New York State Common Core Algebra I exam in June.

713 Algebra IA

Grade: 9

Unit of Credit: 1

Prerequisite: Departmental Approval

This is the first year of a two-year program covering the New York State Core Curriculum for Algebra I. It is designed for students who would benefit from an extended study of the material taught in Algebra I. The course reinforces basic arithmetic and algebraic skills and extends them to include elementary algebra, functions and their graphs and statistics. In the second year of the program, students will take Algebra IB and take the New York State Common Core Algebra I exam in June of tenth grade.

718 Geometry H

Grade: 9

Unit of Credit: 1

Prerequisite: 90% or Higher in Algebra I or Departmental Approval

This course is for students who have successfully completed Math 8 Honors (Algebra I) in eighth grade. Geometry Honors completes the New York State Curriculum for Geometry. Topics are studied in depth and include Euclidean geometry with proofs, locus, transformations, and constructions. Students will take the Common Core Geometry Regents exam in June.



725 Geometry

Grade: 9-10

Unit of Credit: 1

Prerequisite: Algebra I

This course covers the New York State Common Core Curriculum for Geometry. Topics include Euclidean geometry and proof, logic, constructions and locus. This course emphasizes the use of proofs in mathematics as well as contextual problems. Students will take the Common Core Geometry Regents exam in June.

705 Math Workshop

Grade: 9-12

Unit of Credit: None

Prerequisite: Departmental Approval

This course provides students with an additional period of mathematics support every other day. It is designed to assist students in their coursework as well as help prepare them for mathematics assessments. Students who earn Level 1 or Level 2 scores on the Math 8 assessment as well as those who have not passed the Integrated Algebra Regents Exam may be assigned to this class.

SCIENCE

813 Earth Science

Grade: 9

Unit of Credit: 1

Prerequisite: Science 8

Regents Earth Science is an overview of earth and solar system processes, including Earth Dimensions, Rocks, Minerals & Resources, Earthquakes and Earth's Interior, Surface Processes and Landscaping, Earth's History, Meteorology and Atmospheric Energy, Water Cycle & Climate, and Astronomy. Students are required to successfully complete a minimum of 30 hours of laboratory work and submit satisfactory reports in order to sit for the Regents exam. All students are required to take the Earth Science Regents exam in June.

814 Biology/Living Environment

Grade: 9-10

Unit of Credit: 1

Prerequisite: Earth Science

Regents Biology emphasizes the fundamental principles of biology including the study of organisms, human physiology, ecology, genetics and evolution. In addition to meeting daily, this course includes one laboratory period every other day. Students are required to successfully complete a minimum of 30 hours of laboratory work and submit satisfactory reports in order to sit for the Regents exam. All students are required to take the Living Environment Regents exam in June.

816 Biology/Living Environment Honors

Grade: 9

Unit of Credit: 1

Prerequisite: Final average of 90% in Earth Science

This course is designed to offer investigations in biology beyond the Regents level. Students will take the Living Environment Regents exam and may wish to consider taking the SAT Subject Test in Biology E in May. This course is also a preparatory course for Advanced Placement Biology.



883 AP Environmental Science

Grade: 9

Unit of Credit: 1

Prerequisite: All students must have a final average of 90% in Earth Science, Math, and English.

This course is an alternative to Biology Honors for 9th grade students. It follows a combined curriculum outlined by New York State and the College Board Program. The course is designed to explore environmental topics in a depth equivalent to that of a first year college course. Due to the fast pace and depth of material, extensive work outside the classroom will be required. Topics include: forms of pollution, population growth, use of natural resources, genetics, evolution, biochemistry, and ecology. All students will be required to take the AP exam in May and the Living Environment Regents exam in June. Students are required to successfully complete a minimum of 30 hours of laboratory work and submit satisfactory reports in order to sit for the Regents exam. Students may wish to consider taking the Subject Test in Biology E in May and will take Honors Chemistry upon successful completion of AP Environmental Science.

805 Science Workshop

Grades: 9-12

Unit of Credit: None

Prerequisite: Departmental Approval

Students in need of assistance with science course work as well as those who need to prepare for the Earth Science, Biology, or Chemistry Regents exams will be assigned to a workshop class.

FOREIGN LANGUAGE

311 French 2

Grades: 9-12

Unit of Credit: 1

Prerequisite: French 1

This course further develops language acquisition and reintroduces, reinforces, and expands communication as the student's proficiency in listening, speaking, reading, and writing in the French language increases. Cultural selections are chosen from the modern Francophone world.



302 Italian 1

Grades: 9-12

Unit of Credit: 1

Prerequisite: None

In this introductory course in Italian, students will begin to develop speaking, listening, reading, and writing proficiencies. Vocabulary and structure are presented through communicative expressions and the content stresses communication in everyday life situations, allowing students the opportunity to express their own opinions.

312 Italian 2

Grades: 9-12

Unit of Credit: 1

Prerequisite: Italian 1

This course further develops language acquisition and reintroduces, reinforces, and expands communication as the student's proficiency increases. It provides for continuation of the study of grammatical structures through the more common verb tenses completed with appropriate vocabulary items. The short reading passages are related to various aspects of contemporary Italian culture. The focus of the course is on areas of interest and relevance to the students.



304 Spanish 1

Grades: 9-12

Unit of Credit: 1

Prerequisite: None

This introductory course aims for communicative proficiencies in listening, speaking, reading, writing, and culture. Authentic materials reflect the diversity of the contemporary Spanish-speaking world.

314 Spanish 2

Grades: 9-12

Unit of Credit: 1

Prerequisite: Spanish 1

This course further develops language acquisition and reintroduces, reinforces, and expands communication as the student's second language proficiency increases. Vocabulary items, grammatical structures, and cultural themes emphasize the ability to communicate meaningfully with others in Spanish.

ART

110 Studio in Art

Grades: 9-12

Unit of Credit: 1

Prerequisite: None

This comprehensive course is designed for the incoming art student and is the prerequisite for all other art courses. Emphasis is on studio work, the history of art and aesthetics. Drawing is an essential component of this course. A series of progressive art problems will provide exposure to a variety of techniques and mediums. Problem solving encompasses many areas of visual art such as design, drawing, painting, mixed media, printmaking, and sculpture. Students will learn a variety of media, techniques, and subject matter with an emphasis on building foundational skills and using the elements and principles of art.



A list of basic materials (which must be supplied by the student) will be provided at the onset of this course.

MUSIC

102 Music Theory and Composition

Grades: 9-12

Unit of Credit: 1

Prerequisite: None

This course will introduce the process of creating a song for the purpose of artistic and self-expression. It will include elements of basic music theory, basic piano skills, and lyric writing techniques. These skills will culminate in song production using ProTools12. The course will also explore the history of western popular music, influential artists, music in politics, and other current cultural musical trends that influence contemporary songwriting. Students will also identify and examine various professions within the music industry that are important to song production, recording, and the marketing of songwriters and artists.

103 Orchestra

Grades: 9-12

Unit of Credit: 1

Prerequisite: Prior enrollment or recommendation of Director

The orchestra performs a wide variety of important literature from Bach to the present. The string orchestra meets every day during school and the full orchestra meets one or two days after school. Performances include the MetLife Building in Manhattan and winter and spring concerts. Topics covered in class include: basic string technique, music theory, and sight-reading. The course is open to all string players and pianists. Students with no experience should meet with the director.

108 Symphonic Band

Grade: 9

Unit of Credit: 1

Prerequisite: EMS band or recommendation of Director

This course is a prelude to Concert Band. The Symphonic band will meet every day and perform at all concerts. Its repertoire will include: classic band literature, show and movie scores, and marches. There will be rotating lessons, focusing on individual instruments, included in the course. Any student who does not have band experience should speak to the director.

105 Concert Choir

Grades: 9-12

Unit of Credit: 1

Prerequisite: Prior enrollment or recommendation of Director

This course is designed for students who enjoy singing. It offers the opportunity to learn the components of choral vocal techniques and music sight reading. A wide variety of choral literature is performed at school and community concerts. Pianists interested in accompanying are welcome.

Electives

247 Introduction to Journalism

Grades: 9-10

Unit of Credit: ½

Prerequisite: English 9

This elective will expose students to many aspects of journalism, including articles, features, editorials, and photography. Students will be offered the opportunity to select many of their own topics, and will be encouraged to brainstorm ideas, gather information from sources, conduct interviews, and edit writing for publication. Articles written in class may be featured in *The Eaglet*, the school's newspaper.



249 Film and Literature

Grades: 9-10

Unit of Credit: ½

Prerequisite: None

In this elective ELA course, students will use a variety of skills to determine how and why film can be considered a form of literature. Student will view and study a wide range of films from various genres from the 1940's through today. They will learn about cinematic devices and how a director uses them in films, how a screenwriter adapts a written text into a screenplay, and how and why films are remade years after initial release. Students will complete creative projects, as well as written essays as forms of assessment.

448 Philosophy

Grades: Grades 9-10

Unit of Credit: ½

Prerequisite: None

This course is an introduction to Western Philosophy. Students do not need any background in philosophy. The course has three broad aims: to introduce students to the tradition of philosophical argument via primary texts; to teach students how, in general, to make and evaluate philosophical arguments and to strengthen written and verbal communication skills. This introductory philosophy course will provide students with the foundational skills necessary for successful research in any discipline.



619 Computer Science

Grades: 9-11

Credit: ½

Prerequisites: None

This is a half-year course designed for students with little or no formal programming education. Its goal is to provide students with an understanding of how automation and computation can be used to solve problems. It also aims to help students feel confident of their ability to write small programs in a high level language, allowing them to accomplish simple, yet useful goals. Students will study data types, arrays, control structures, conditional statements, and methods. Emphasis will be placed on algorithm design, analysis, and refinement. The language used in this course will be Java.

851 Environmental Science

Grades: 9-11

Unit of Credit: ½

Prerequisite: None

This course is a one semester elective that focuses on Environmental Science and how humans affect the Earth. Topics include but are not limited to: water sheds, human interaction with the environment, and the sustainability of the planet.

313 Latin 1

Grades: 9-12

Unit of Credit: 1

Prerequisite: None

This elective course develops reading skills supported by listening, speaking and writing skills. Grammar, vocabulary derivation and word study are elements of language skills which will be included. Cultural awareness of the Greco-Roman civilizations in the areas of daily life, myths and legends, history and public life, architecture and art, and literature is a component of this course.



610 Computer Essentials

Grades: 9-12

Unit of Credit: ½

Prerequisite: None

This one-semester course is designed to provide students with the tools necessary to successfully compete in today's technological world. Students are encouraged to take this course early in their high school career so that the computer technology features learned and skills developed may be used in other courses across all disciplines. Students will practice basic keyboarding skills utilizing an online typing program. This course will also cover the basic functionality of the MS Office Suite: WORD, EXCEL, ACCESS, POWERPOINT, and PUBLISHER. The course will also explore the many uses of Google Apps.

510 Career & Financial Management

Grades: 9-12

Unit of Credit: ½

Prerequisite: None

This project-based course will guide students in their career and educational journey and provide them with the ability to manage their personal finances. Students complete activities concerning their strengths, areas to improve, likes/dislikes, and future goals. They then focus on what they must do in order to reach these future goals, including activities concerning career exploration, employment outlook, and post-secondary options. The final set of activities in the first part of the course explores the job-seeking process, including preparing a cover letter and resume as well as preparing for an interview.

The second part of the course focuses on teaching students how to make smart financial decisions. The course will encourage students to save and invest for their future, understand the importance of maintaining a strong credit history, making smart banking choices, and finally to develop a personal budget.

530 Introduction to Business

Grades: 9-11

Unit of Credit: ½

Prerequisite: None

Are you interested in studying business? Do you want to know more about the different areas of business? This course will provide students with an overview of all aspects of business. The course will allow students to identify areas that may be of interest to them and prepare them for their future in the business world. Multiple disciplines of business will be covered:

Management: Principles of management in a diversity of businesses will be introduced. Students will learn how superior management skills are the foundation of all business practice.

Marketing: An overview of many facets of marketing will be presented. Students will learn the *Four P's* (product, place, promotion and price), advertising, market research, and product development.

Finance: Students will learn many aspects of investment and banking domestically and globally. They will research the history of stocks, bonds, and investing to compare patterns to today's investment trends. Students will complete a series of activities to reinforce skills in general areas of accounting.

Human Resources: No business can be successful without its people. Study strategies used by businesses to find, motivate, and reward individual employees as well as successful work teams.

Operations: Provide students with the concepts, techniques, and tools to design, analyze, and improve operational capabilities of an organization..

This project-based course is required for a Business Education sequence.

175 Theater Arts

Grades: 9-11

Unit of Credit: ½

Prerequisite: None

This course will study, analyze and apply all aspects of theater arts. Students will study the history of theater ranging from the earliest Greek plays to today's modern age. Students will also learn, study, and apply skills necessary for performance. The course is designed to be an intensive examination of the artistic aspects related to theater and the creation of theatrical performances – including dramaturgy, acting, directing, stage management, as well as all the technical/back-stage aspects of a production. While students will have to perform, prior acting/performing experience is neither required nor expected. The course offers a unique opportunity for all students who have an interest in understanding and developing an appreciation for theater and performance. Part of the course requirement will be to attend theatrical productions outside of school time and to volunteer at least 2 hours assisting an Eastchester School theatrical event (Player's Club, JazzCo, Talent Shows etc.)

GRADUATION REQUIREMENTS

All students are required to pass the following courses and Regents exams in order to graduate with a New York State Regents diploma.

SUBJECT AREA	REGENTS DIPLOMA REQUIREMENTS		ADDITIONAL REQUIREMENTS FOR ADVANCED REGENTS DIPLOMA *	
	COURSES	EXAMS	COURSES	EXAMS
English	4 course credits	1 Regents exam (11 th)		
Social Studies	4 course credits: Global-9, Global-10, US History-11, Econ & Gov-12	2 Regents exams: Global (10 th) US History (11 th)		
Math	3 course credits	1 Regents exam: Common Core Algebra (9 th or 10 th)		2 additional Regents exams: Geometry Algebra II
Science	3 course credits: 1 Living Env course, 1 Phys Sci course, 1 elective Sci course	1 Regents exam (Earth Sci, Bio, Chem, or Physics)	All 3 science courses must be Regents level courses.	2 nd Regents exam
Language	1 course credit		2 additional course credits in the same language	1 locally-developed language exam
The Arts	1 course credit in Art or Music			
Health	½ course credit			
P.E.	2 course credits			

* **Candidates for the Advanced Regents Diploma must complete one of the following:**

- Language Other Than English: 3 credits
- Business Sequence: 5 credits
- Art Sequence: 5 credits

NEW YORK STATE EDUCATION DEPARTMENT Testing Requirements

Regents Diploma Requirements	Regents Diploma with Advanced Designation Requirements
Score 65 or above on 5 required Regents exams.	Score 65 or above on 8 required Regents exams and 1 locally-developed language exam.

Note: The Safety Net is available for classified students. Please see your counselor for more information.