



**Eastchester High School**  
**Course Catalog**

**2024-2025**



## EASTCHESTER HIGH SCHOOL MISSION STATEMENT

The mission of Eastchester High School is to empower all of  
our students to be  
responsible participants in their own personal and  
academic  
growth and development  
as valued contributors to our community and society at  
large.

We provide a rich environment fostering the intellectual,  
social, aesthetic, cultural, physical and ethical education of  
our students.

Eastchester High School promotes academic excellence,  
responsible citizenship, appreciation and respect for  
diversity, and the importance of lifelong learning in an ever-  
changing and competitive technological world.

**Eastchester High School**  
Stewart Place • Eastchester, NY 10709

**914-793-6130**

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**Principal's Office ~ ext. 4221**

Mr. Chris Welsh, Principal  
Ms. Michele Benas, Administrative Assistant

**Assistant Principal's Office ~ ext. 4224**

Ms. Erin Glindmyer, Assistant Principal  
Ms. Gina Zaccheo, Administrative Assistant

**Assistant Principal's Office ~ ext. 4224**

Mr. Joe Gilson, Assistant Principal  
Ms. Gina Zaccheo, Administrative Assistant

**Attendance Office ~ ext. 4228**

Ms. Antoinette Arcidiacono

**Supervisors/Department Chairs**

Mr. John Bauerlein – Interim Supervisor of Physical Education and Health  
Dr. Susan Chester – Supervisor of Humanities  
Ms. Irene Iannuzzi – Supervisor of STEM

Ms. Karina Barrera – World Language Chair  
Ms. Alexandra Bloshenko – Science Chair  
Mr. Michael Boyle – Social Studies Chair  
Mr. Mark Dodge – Music Chair  
Ms. Gianna Fleischmann – Special Education Chair  
Mr. Bryan Johnson – English Chair  
Ms. Jacquelyn Osmanaj – Math Chair

**Counseling Office ~ ext. 4248**

Ms. Heather Reilly, Guidance Chair  
Ms. Brianne Brauer, Counselor  
Ms. Emily Cozzi, Counselor  
Ms. Janice Crisci, Counselor  
Ms. Julie Meyers, Counselor  
Ms. Deona Patane, Counselor  
Ms. Colleen Castiello, Administrative Assistant  
Ms. Diane Leven, Administrative Assistant

The *Course Catalog* is designed to help students and parents make informed decisions about course selections; it is intended to supplement the information received from teachers and counselors regarding courses available at Eastchester High School. We encourage you to select courses that will not only meet the minimum graduation requirements but will challenge you to reach your full potential. Please know that the High School counselors, administration, faculty, and staff are always available to assist you in your efforts to achieve your academic goals at EHS.

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For additional information on grading, grade point average (GPA), promotion requirements, honor roll, and other policies and procedures, please refer to the *Eastchester High School Parent/Student Handbook*.

# 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
<b>English</b>	4 course credits	1 Regents exam (11 <sup>th</sup> )		
<b>Social Studies</b>	4 course credits: Global-9, Global-10, US History-11, Econ & Gov-12	2 Regents exams: Global (10 <sup>th</sup> ) US History (11 <sup>th</sup> )		
<b>Math</b>	3 course credits	1 Regents exam: Algebra (9 <sup>th</sup> or 10 <sup>th</sup> )		2 additional Regents exams: Geometry Algebra II
<b>Science</b>	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 <sup>nd</sup> Regents exam
<b>Language</b>	1 course credit		2 additional course credits in the same language	1 locally-developed language exam
<b>The Arts</b>	1 course credit in Art or Music			
<b>Health</b>	½ course credit			
<b>P.E.</b>	2 course credits			

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

- Language Other Than English: 3 credits
- Business Sequence (see page 28): 5 credits
- Art Sequence (see page 32): 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. Additional pathways to graduation are available to all students. Please see your counselor for more information.

# Eastchester High School Requirements

***In addition to New York State requirements, EHS requires the following:***

- All students in grades 9 -11 must be enrolled in a minimum of 6 classes plus P.E.
- Seniors must enroll in a minimum of 5 classes plus P.E. (though they are encouraged to take more).
- All students must complete 22 units of credit in order to graduate.

## Promotion Policy

Eastchester High School maintains *Promotional Requirements* that apply to all students. These requirements refer to the minimum number of credits that must be earned and courses that must be passed in order to advance to the next grade level. Grade level determines eligibility for privileges such as off campus lunch, free periods, prom, etc. A student must earn:

- 5 credits to enter 10<sup>th</sup> grade; at least 3 credits must be in English, Social Studies, Math, and Science
- 11 credits to enter 11<sup>th</sup> grade; at least 7 credits must be in English, Social Studies, Math, and Science
- 17 credits to enter 12<sup>th</sup> grade; at least 11 credits must be in English, Social Studies, Math, and Science

## What do colleges look for?

Most importantly, colleges will look at the ***STRENGTH OF YOUR TRANSCRIPT***. A transcript is a record of all high school courses that you took and final grades earned in each course. In other words, colleges will want to know what courses you chose and how well you performed in them.

Colleges will also consider: ACT/SAT scores, letters of recommendation, your grade-point-average (GPA), extracurricular activities, and work experience. The GPA is calculated based on grades earned in 11<sup>th</sup>, 10<sup>th</sup> and 9<sup>th</sup> grade courses (including courses taken for high school credit in 8<sup>th</sup> grade).

**Many college entrance requirements consist of the following:**

<u>SUBJECT</u>	<u>Most Colleges</u>	<u>Competitive and Very Competitive Colleges</u>
English	4 years	4-5 years
Social Studies	4 years	4-5 years
Math	3 years	4-5 years
Science	3 years	4-5 years
World Language	3 years	3-5 years

# SPECIAL PROGRAMS

## AP Courses

**Advanced Placement (AP)** courses are rigorous college level courses offered to all students who meet the criteria. At EHS, AP courses are available in **English Language and Composition, English Literature, World History, US History and Government, US Government and Politics, European History, French, Spanish, Italian, Studio Art, Art History, Calculus (AB and BC), Statistics, Computer Science A, Computer Science Principles, Biology, Chemistry, Environmental Science and Psychology**. In order to enroll in an AP course, all students must:

- complete the application process (where required) in March of the previous year;
- meet prerequisite and other criteria as indicated in the course description;
- commit to taking the AP exam upon the completion of the course in May, which requires student payment of a \$100.00 fee.

## College Credit Courses

EHS also offers additional courses for college credit: **20<sup>th</sup> Century Latin American Revolutions, Pre-calculus, Pre-calculus H, Calculus, Anatomy and Physiology, Physical Geology, Physics, Business Law, Entrepreneurship, Marketing and Financial Accounting**. Upon successful completion of the course, students may be granted 3 or 4 college credits from SUNY Oneonta, SUNY Westchester, or the University at Albany. These credits may be transferable to the college the student attends. **Twentieth Century Latin American Revolutions, Anatomy and Physiology, Physical Geology, Physics and Financial Accounting** receive AP weight in calculating the GPA. Additional college fees are required.

## Honors Courses

Honors courses are available in **English 9, 10, Global Studies 9, Geometry, Algebra II, Pre-calculus, Biology, Chemistry, and Advanced Science Research**. These advanced level courses are for highly motivated students who are prepared to handle more rigorous course work. Typically, teacher recommendation and a minimum grade requirement on prerequisite courses are required for enrollment in honors courses. Please refer to each course description for more detailed information and requirements.

## Electives

Our desire is not merely to provide our students with required, or “core,” courses but to offer them opportunities to study courses of interest. This allows our students an opportunity not only to excel in areas of personal interest but also to build a solid transcript.

For this reason, Eastchester High School encourages all of our students to participate in these high-interest, yet academically rigorous, courses.

## **Academic Intervention/Support and Regents Preparation**

Each of the four major academic disciplines (English, Social Studies, Science, and Math) offers a companion workshop to provide extra support. Students may be assigned a workshop based on: 1) teacher or counselor recommendation; 2) an average of 70% or less in a given subject area; 3) a score of 1 or 2 on the 8<sup>th</sup> grade assessment in a given subject area.

## **Advanced Science Research**

Advanced Science Research (ASR) is an independent study course for motivated students interested in conducting their own scientific research. Students are encouraged to study any scientific topic they find interesting. They will be trained as professional scientists in all necessary areas: scientific philosophy, literature review, experimental design/execution, data analysis, scientific communication (presentations and writing professionally). Students will design and conduct their own experiments at school. Students will also find professional/university-level scientists in their field of choice in order to conduct original research outside the classroom. Their results will be presented in high profile science competitions, including Regeneron Talent Search (formerly Intel). Tenth grade students are required to commit to 3 years of enrollment in order to complete the research required. This course receives Honors weighting.

## **ACT/SAT Prep Courses**

Since the vast majority of colleges and universities use standardized test scores in their selection process, our students are encouraged to discuss test preparation options with their high school counselor before registering. There are a number of programs offered to help prepare for the ACT/SAT.

## **Summer School**

A remedial summer school program is available to students who have not passed courses required for graduation. Graduation requirements are typically offered to students in grades 9 and 10. Students may enroll in a maximum of 2 summer classes.

## **WISE**

WISE offers options for graduating seniors to spend the last 6 weeks of their senior year, after courses are successfully completed, working 25 hours/week in an unpaid internship or completing a pre-approved research or personal project. The WISE program seeks to provide graduating seniors with a workplace experience in career areas of interest. Students observe professional interactions and functions in a wide range of fields and perform tasks where appropriate. Students will attend workshops on career exploration, resume writing, workplace etiquette and complete all required WISE assignments and paperwork before being approved to begin WISE. The experience culminates in June with a presentation at the WISE Showcase.



# Course Selection Process & Timeline

The course selection process provides students an opportunity to choose among a broad range of courses. Counselors work closely with students in making the most appropriate selections based on interests, abilities and post high school plans. Students are encouraged to carefully consider their choices by consulting with teachers and parents. The entire master schedule of the high school is driven by students' final choices for the next school year. Therefore, most changes will not be permitted once the current school year ends in June. Please know that we will make every effort to accommodate all student requests; however, we cannot guarantee that all requests can be honored.

## February/March:

- Students request preliminary courses for the following year and discuss their preliminary choices with parents, teachers, and counselors.
- All students are encouraged to take an appropriately challenging course load.

## April/May:

- Teachers are notified of student choices and determine whether choices are appropriate.
- A list of each student's preliminary course requests (with teacher amendments) will be available in Home Access.
- Students will have a final opportunity to make changes in course requests for next year.

## August:

- Final student schedules will be available in Home Access.
- Students will have an opportunity to make corrections prior to the opening of school only in the event of a schedule conflict or if a graduation requirement and/or lunch are missing from the schedule.

## Add/Drop Policy

Students are expected to remain committed to choices made during the course selection process. Schedule changes will be made only in the event of a conflict or if a graduation requirement and/or lunch are missing from the schedule. Requests for changes of class periods, teachers, preferred lunch times or electives will not be honored.

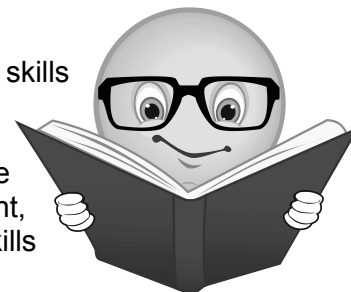
Dropping courses is strongly discouraged. However, with parent, teacher, and administrative approval, a student may drop a course as indicated below. The student must attend the class until he/she is officially removed by the counselor and after the appropriate paperwork is completed.

A full-year course may be dropped during the first 20 class days of the school year. A half-year course may be dropped during the first 10 class days of the school year. After that time, a WF (*withdrew failing*) or a WP (*withdrew passing*) will be noted on the student's transcript. Students may also add a semester course during this 10-day period. No course may be dropped after the 2<sup>nd</sup> quarter (full year course) or the 1<sup>st</sup> quarter of a half-year course.

**Note:** If a student changes level, the grades earned in the original class will be included and tabulated in the final average. If the level change occurs during the first 20 class days in a full-year course or during the first 10 days of a half-year course, grades will not be included in the quarterly average.

# ENGLISH

The English curriculum encourages students to improve their critical thinking skills through the study of classic, traditional, and contemporary literature. The repertoire of literature engages students in critical analysis of meaning, form, style, and structure. Students are required to write analytic and creative pieces to focus on the importance of meaning, organization, development, language use, and conventions. They also develop speaking and listening skills through many activities that are linked to the literature.



All students must take four years of English and pass the New York State Common Core English Regents exam. Elective English courses may be taken in addition to the one year of English required in each grade. All students work with both fiction and nonfiction as they synthesize information, make meaning, and determine authorial intent.

## COURSE OFFERINGS

**210 ENGLISH 9**  
**216 ENGLISH 9 HONORS**  
**220 ENGLISH 10**  
**226 ENGLISH 10 HONORS**  
**230 ENGLISH 11**  
**262 AP ENGLISH LANGUAGE & COMPOSITION**  
**240 ENGLISH 12**  
**260 AP ENGLISH LITERATURE & COMPOSITION**

**202 READING AND WRITING SUPPORT**  
**205 ENGLISH WORKSHOP**

### ELECTIVES

**249 FILM STUDIES**  
**245 INTRO TO CREATIVE WRITING**  
**244 21<sup>st</sup> CENTURY JOURNALISM 1**  
**246 21<sup>st</sup> CENTURY JOURNALISM 2**

### **210 English 9**

**Grade: 9**

**Unit of Credit: 1**

**Prerequisite: English 8**

English 9 students read a wide variety of literature in the genres of fiction, drama, poetry, and nonfiction. Students learn to identify an author's purpose by doing close readings, analyzing literary devices, and approaching the author's writing as a craft. With an emphasis on annotating the text and making inferences, the course encourages independent thought about a work's various meanings. To help students find their writing voice, the English 9 curriculum is process-oriented; in particular, it accentuates the organization of ideas, editing and revising, and complex thesis construction. English 9 also helps students develop speaking skills with active participation in whole-class discussions.

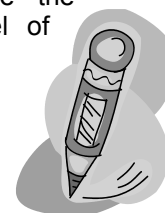
### **216 English 9 Honors**

**Grade: 9**

**Unit of Credit: 1**

**Prerequisite: English 8 average of 95% (immediate acceptance), 92%-94.99% (application and assessment)**

This is an advanced level course in which students analyze novels, poetry, legends, and plays to develop critical thinking and cogent writing. This course requires a rigorous level of academic independence as students explore the curriculum with an increased level of depth and analysis.



## 220 English 10

Grade: 10

Unit of Credit: 1

Prerequisite: English 9

This course seeks to deepen students' understanding of literature, to broaden their vocabulary, to improve their critical reading skills, and to improve their writing. Many authors are studied such as Bronte, Golding, Miller, and Shakespeare.



## 226 English 10 Honors

Grade: 10

Unit of Credit: 1

Prerequisite: Final grade of 88% in English 9H or 94% in English 9 or departmental approval

This advanced level course is for highly motivated students with exceptional ability in English Language Arts, especially in the areas of critical reading and writing. A rigorous level of academic independence is expected of each honors student. The aim is to enhance students' critical thinking and clear communication through intensive class study of authors, such as Shakespeare, Shelley, Hosseini, and Orwell. Students in English 10H are exposed to the vocabulary, devices, and skills that are used in AP Language & Composition.

## 230 English 11

Grade: 11

Unit of Credit: 1

Prerequisite: English 10

Students read widely and frequently to understand the American experience. Dickinson, Hemingway, Fitzgerald, Miller, and Salinger are some of the authors viewed through a variety of sources. Writing assignments concentrate on the importance of content, organization, mechanics, and style. This course hones students' speaking and listening skills. All students take the New York State English Regents Exam.

## 262 AP English Language & Composition

Grade: 11

Unit of Credit: 1

Prerequisite: AP English Committee approval based on the criteria below.

- 88% average in honors English or a 94% average in academic English
- current English teacher recommendation based upon the student's effort, study habits, and motivation.

AP Language and Composition focuses on rhetorical analysis and argumentative writing. Students are exposed to the central components of analytical and argumentative pieces, including a focused use of essential textual evidence. A strong foundation of reading and writing is essential, as high levels of literary thought and independence are required for this course. All students will take the AP Language and Composition exam in May.

## 240 English 12

Grade: 12

Unit of Credit: 1

Prerequisite: English 11

This course is designed to challenge students to think critically about issues that emerge from a literary, social, and historical context. Students will study a wide array of genres that will simultaneously allow them to hone their analytical and creative writing skills. Diverse sources, such as art, speeches, short fiction, non-fiction, athletics, contemporary issues, and women's roles, will be studied for literary merit.



## 260 AP English Literature & Composition

Grade: 12

Unit of Credit: 1

**Prerequisite:** 88% average in AP English Language or a 94% average in academic English

This challenging course is the equivalent of a college freshman course. It is designed for highly qualified students who demonstrate, in their reading and writing, that they have read widely, critically, and independently, and are motivated to pursue a rigorous level of academic initiative and responsibility. The course has a dual focus: intensive reading of demanding literary masterworks and sophisticated writing of literary analyses. Literature selection varies yearly, but the novels, poetry, plays, and stories have been selected from classics generally read in college. Students will prepare for the Advanced Placement test in pursuing close reading and writing. Students are required to take the AP English exam in May.

## 202 Reading and Writing Support

Unit of Credit: None

Criteria: Teacher Recommendation

This workshop is intended to teach and reinforce basic literacy skills, including comprehension, application, analysis, synthesis, and evaluation. It is designed to build reading and writing skills, separately from all other classes. The students work on reading closely and critically as well as writing about informational texts and fiction.

Student placement is based on reading test scores and performance in ELA and Social Studies. The students are tested periodically to monitor their progress in the designated skill areas.

Placement is fluid. Students who consistently achieve grade-level expectations in class and in their ELA and Social Studies' classes are moved out of the workshop to accommodate new student placement.

## 205 English Workshop

Grades: 9 – 12

Unit of Credit: None

This course is required for students who may need assistance with literacy skills. Students receive support to meet the standards of a rigorous English curriculum by attending an extra period of English on alternate days. The class is required to meet New York State minimum standards for high school.

## 249 Film Studies

Grades: 9-10

Unit of Credit: ½

Prerequisite: None

From *Casablanca* to *Jaws*, *North by Northwest* to *Back to the Future*, movies have had an enduring impact on our culture. This half-year elective explores the social impact of Hollywood blockbusters, investigating the social circumstances that inspired these films, how many popular films are made, and the impact that films have on both pop culture and entire generations. Students learn the stories *behind* a diverse collection of movies and explore both how and why they have a continued impact on society. How did the Death Star explode in *Star Wars*? How did the shark work in *Jaws*? How did Alfred Hitchcock get his start in the film business? These questions and more will be answered in this course.

## 245 Introduction to Creative Writing

Grades: 10-12

Unit of Credit ½

Prerequisite: None

This elective is designed for students who enjoy writing and wish to express their creativity in prose or poetry. Students will develop their own imaginative voices in various literary genres, as they learn specific writing skills to strengthen their creative writing. Students may elect to submit works to various publications, including *Forum*, the school's literary magazine.



## 244 21<sup>st</sup> Century Journalism 1

Grades: 10-12

Unit of Credit: ½

Prerequisite: English 9

This elective explores and introduces the various elements of Journalism through the use of recent and emerging digital tools in writing, editing, and content management. Students will explore topics of interest that are related to real-world issues facing societies around the world today, offering students an authentic experience in developing skills that will translate to the college classroom and professional workplace. Students will be introduced to and develop their own set of ethics to follow in both creating and consuming media in the modern day. Student work may be featured online and in the school newspaper, *The Eaglet*.

## 246 21<sup>st</sup> Century Journalism 2

Grades: 10-12

Unit of Credit: ½

Prerequisite: 21st Century Journalism 1

This elective furthers students' experiences in exploring local, national and world issues that impact society through a journalistic lens. In this course, students will engage with the various facets of the Journalism profession, both reading and writing articles based on contemporary societal topics. Students will function as reporters on topics they pitch, editors of the class website, and managers of social media accounts. Each student will continue to develop a professional portfolio representing the work they have completed during the time in the Journalism program. Student work may be featured online and in the school newspaper, *The Eaglet*.



# ENGLISH AS A NEW LANGUAGE

English as a New Language (ENL) is available to students in grades 9-12 whose native language is not English and who need to develop skills for greater English proficiency. Instruction focuses on developing each student's understanding, speaking, reading, and writing of the English language. Students will earn one credit for each year of participation.

Three levels of ENL instruction are offered: beginning, intermediate, and advanced. The New York State Identification Test for English Language Learners (NYSITELL) exam is administered to determine the student's level of English proficiency and the appropriate placement. Each student's progress is assessed on an ongoing basis through a yearly administration of the New York State English As A Second Language Achievement Test (NYSESLAT). Once students are placed in mainstream English classes, the ESL teacher will inform the general education teacher and parents of the academic expectations.

## COURSES

### **ENL/ELA 1**

**Grades: 9-10**  
**Unit of Credit: 1**  
**Prerequisite: None**

### **ENL/ELA 2**

**Grades: 11-12**  
**Unit of Credit: 1**  
**Prerequisite: None**

In the integrated ENL/ELA courses, English Language Learners (ELLs) of **all proficiency levels** will read various works including fiction and non-fiction texts, and poetry. Students will develop their understanding of literary devices and analyze the ways in which authors employ various devices to convey ideas and messages within a text. Students will become active readers and develop close reading strategies such as annotating which will help build critical reading and comprehension skills. This course is structured to support students' knowledge of fundamental ELA concepts as well as their overall understanding of the English language such as the grammar and lexical features.

### **ENL**

**Grades: 9-12**  
**Unit of Credit: 1**  
**Prerequisite: None**

The standalone ENL course is designed to provide direct listening, speaking, reading, and writing support. The ENL teacher will work closely with students at the **entering and emerging levels** to develop language instruction targeted to students' needs.

## STATE TESTING INFORMATION

The New York State Identification Test for English Language Learners (NYSITELL) exam is administered to new arrivals to determine the students' level of English proficiency and the appropriate placement. Every spring, each students' progress is assessed through a yearly administration of the New York State English As A Second Language Achievement Test (NYSESLAT). Once students are placed in mainstream English classes, the ENL teacher will inform the general education teacher and parents of the academic expectations.

# SOCIAL STUDIES

The goals of the Social Studies program are:

- to prepare students for responsible citizenship.
- to enable students to understand the interdependence of all global human society.
- to enable students to evaluate the past and the present based on the best available data.
- to empower students to make rational decisions for the future as active participants in our democratic society.

All students must earn at least four credits in Social Studies and fulfill the following core requirements: complete a two-year Global History and Geography sequence (grades 9 and 10) and pass the corresponding New York State Regents exam at the end of grade 10; pass the United States History and Government course and Regents exam at the end of grade 11; and complete a full year course in Economics and Government in grade 12.

## SOCIAL STUDIES COURSE OFFERINGS

**410 GLOBAL HISTORY & GEOGRAPHY 9**  
**416 GLOBAL HISTORY & GEOGRAPHY 9H**  
**420 GLOBAL HISTORY & GEOGRAPHY 10**  
**428 AP WORLD HISTORY**  
**430 US HISTORY & GOVERNMENT 11**  
**436 AP US HISTORY**  
**439 ECONOMICS & GOVERNMENT 12**  
**442 AP US GOVERNMENT & POLITICS**

**437 AP EUROPEAN HISTORY**  
**454 20<sup>th</sup> CENTURY LATIN AMERICAN  
REVOLUTIONS**  
**448 PHILOSOPHY**  
**450 SOCIOLOGY**  
**405 SOCIAL STUDIES WORKSHOP**  
**453 CIVIC RESEARCH**

### **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.*

## **420 Global History & Geography 10**

**Grade: 10**

**Unit of Credit: 1**

**Prerequisite: Global History 9**

This course fulfills the second half of a two-year sequence studying Global History and Geography. The Grade 10 curriculum focuses on the history of civilization starting from the French Revolution through current world events. Important historical, geographic, political and economic characteristics of the societies that developed in each region of the world are studied. Students study further 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 culminates with the New York State Regents Examination in Global History and Geography.

## **428 AP World History**

**Grade: 10**

**Unit of Credit: 1**

**Prerequisite: AP World History Committee Approval. Must have a final grade of 88% in Global 9H or 94% in Global 9R. Teacher Recommendation will be reviewed based upon the student's effort, study habits, and motivation.**

This challenging college level course is intended for qualified and highly motivated students. An exceptionally rigorous level of academic independence and responsibility is expected of each student. AP World History has a very simple mission: teach the world's history. In reality, the class is about multiple perspectives and historical analysis, not merely about memorized facts, dates, places, and events. Students will piece together global patterns over space and time, compare movements, and assess universal standards. Throughout the course students will be asking themselves: What do these revolutions have in common or are they unique? How are they connected? What universal human needs do they meet? Writing will focus on three different types of essays: analysis using documents, change over time, and comparison/contrast. Each type uses a different set of skills. During this two-year course, students will be thinking historically, constructing historical arguments, and analyzing data within an historical viewpoint. All students are required to take the AP exam in May.

## **430 United States History & Government 11**

**Grade: 11**

**Unit of Credit: 1**

**Prerequisite: Global History 10**

Students study the development and evolution of the U.S. Constitution and its application throughout US history. The course emphasizes the following periods: 1800-1860, the Civil War, the Industrial Age, the Progressive Era, World War I, the 1920's and the Great Depression, World War II and the US as a global leader during and following the Cold War. Emphasis is placed on interpretive reading and writing skills by using primary documents, secondary sources and many research-oriented assignments. Thematic essay writing and document based question essay writing are also emphasized. This course culminates in the New York State Regents examination in US History and Government.

## **436 AP US History**

**Grade: 11**

**Unit of Credit: 1**

**Prerequisite: AP US History Committee Approval. Must have an 88% average in AP World History or a 94% average in academic Social Studies courses.**

**Teacher recommendations will be reviewed based upon the student's effort, study habits, and motivation.**

This challenging college level course is intended for qualified and highly motivated students. An exceptionally rigorous level of academic independence and responsibility is expected of each student. Beginning with pre-colonial history, the course follows a chronological approach from the early 17<sup>th</sup> century through the present. Students are expected to read and write extensively, engage in ongoing historical research, and analyze and interpret events and documents. This course requires students to reason and think critically as they manage competing theories and confront historical contradictions in the development of their own original theories. All students are required to take the AP exam in May.





## **439 Economics & Government 12**

**Grade: 12**

**Unit of Credit: 1**

**Prerequisite: US History**

This course encompasses basic macro and micro economic concepts, focusing on the economic system of the United States. It includes such topics as our monetary system, the corporation, supply and demand, banking, and the Federal Reserve. Additionally, the course studies the operation and function of American government, studying the processes of the judicial, legislative, and executive branches. This highly interactive course will include lectures, projects, debates, simulations, traditional writing and testing. Economics and Government 12 satisfies the credit requirements to graduate for both Economics and Government.

## **442 AP US Govt & Politics**

**Grade: 12**

**Unit of Credit: 1**

**Prerequisite: Global History & Geography 9 & 10, US History & Government, and committee approval based on the criteria below.**

**All students must have an 88% average in honors Social Studies courses or a 94% average in academic Social Studies courses.**

**Teacher recommendations will be reviewed based upon the student's effort, study habits, and motivation.**

AP US Government & Politics is the equivalent of a college level history course. This senior elective teaches how people behave politically. The course investigates the American political system: how it is structured and how it functions in a pluralistic society. Students examine and evaluate our institutions of government, the people who run them, the public policies made and the influences of the electorate on policies. American politics involves the study of those involved in public conflicts and the institutions charged with resolving those conflicts. Major units include Constitutional Underpinnings of the U.S. Government, Political Beliefs and Behaviors, Political Parties, Interest Groups and Mass Media, Public Policy Congress, the Presidency, the Judiciary, Government Bureaucracy, Civil Rights and Civil Liberties. Infused through the curriculum is also a study of macro- and micro-economic principles, including such topics as our monetary system, supply and demand, the corporation, banking, and the Federal Reserve System. All students will take the AP exam in May. This course satisfies both the Economics and Government courses required by New York State.

## **437 AP European History**

**Grades: 10-12**

**Unit of Credit: 1**

**Prerequisite: Global History & Geography 9 and committee approval based on the criteria below.**

**All students must have an 88% average in honors Social Studies courses or a 94% average in academic Social Studies courses.**

**Teacher recommendations will be reviewed based upon the student's effort, study habits, and motivation.**

The Advanced Placement course in European History is designed for the highly-motivated student. After a study of the Western intellectual tradition, this course covers a chronology from 1450 C.E. to the present which interrelates and explores political, economic, diplomatic, intellectual, social and cultural issues. The goals of the AP program in European History are to develop (a) an understanding of some of the principal themes in modern European History, (b) an ability to analyze historical evidence and historical interpretation, and (c) an ability to express historical understanding in writing. Students may be granted college credit or placement for this course based upon their performance in the nationally administered exam which is required of all students in May.

## **454 Twentieth Century Latin American Revolutions**

**Grades: 10-12**

**Unit of Credit: 1**

**Prerequisite: None**

This college-credit course will focus on the changing nature of Latin American Revolutions as they developed across the twentieth century. In studying these revolutions, we will consider the role of social class, race, and gender in fomenting and influencing these movements. We will also evaluate the rising power of the United States and its impact on politics, economies, and societies across Latin America.

This course receives AP weighting. Students have the option of receiving 3 college credits through the University at Albany. (Cost: \$190)

## **405 Social Studies Workshop**

**Grades: 9-12**

**Unit of Credit: None**

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 this workshop.

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**The following Social Studies electives may be taken for additional credits in Social Studies beyond the yearly required credit. Each elective is a one semester, half-credit course.**

### **448 Philosophy**

**Grades: Grades 9-11**

**Unit of Credit: ½**

**Prerequisite: None**

This course is an introduction to Western Philosophy. Students do not need any background in philosophy, or any plans for further study. 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.

### **450 Sociology**

**Grades: 10-12**

**Unit of Credit: ½**

**Prerequisite: Global History 9**

This semester course focuses on how people learn human behavior; it is divided into three basic units: Culture and Society; The Emergence of Personality and Self; and Small Group Behavior. Students explore different theories of such noted social scientists as David Reisman, Lawrence Kohlberg, Charles Cooley, Benjamin Bloom, Sigmund Freud, Carl Rogers, B.F. Skinner, Abraham Maslow, Erich Fromm, and others. The course emphasizes experiential learning and is conducted in a seminar style. Students and the teacher write detailed performance evaluations and program analyses.

### **453 Civic Research**

**Grades: 10-12**

**Credit: 1**

**Prerequisite: Global 9**

This full-year elective course provides students with the opportunity to study and take informed action around local issues impacting our school district, the town of Eastchester, Westchester County, and the greater Hudson Valley Region. Working individually or in a small group, students will investigate an issue of their choosing in depth, culminating in an oral and written presentation that describes both the historical context of the issue and its impact on the community today. Students will work with a mentor in the field, such as an elected official or local organization leader, to supplement their research and to develop and execute a community-based action project. Students are expected to engage in the role of informed citizens who identify problems and participate in finding solutions. Research and projects will be completed utilizing a model of inquiry in which students seek to understand, communicate, and take action. Students may be eligible to earn honors credit.



# MATHEMATICS

The mathematics program at Eastchester High School strives to develop students' problem-solving skills, confidence in their mathematical ability and appreciation of the relevance of mathematics to today's society. By offering a variety of courses for students with a wide range of abilities, the mathematics program ensures that students meet and exceed New York State requirements. Students are challenged and encouraged to reach their full potential with skills that will carry them through the university and/or the workplace.

All students must pass three years of mathematics courses and pass one mathematics Regents examination to fulfill the New York State graduation requirements in mathematics. The Algebra I Regents Exam will be administered in June for students enrolled in Algebra I or Algebra IB. Students in Geometry or Geometry Honors will take the Geometry Regents Exam in June. Students in Algebra II and Algebra II Honors will take the Algebra II Regents Exam in June.

## MATH COURSE OFFERINGS

715 ALGEBRA I	740 CALCULUS
713 ALGEBRA IA	746 AP CALCULUS AB
714 ALGEBRA IB	747 AP CALCULUS BC
718 GEOMETRY H	748 AP STATISTICS
719 PRINCIPLES OF GEOMETRY	705 MATH WORKSHOP
725 GEOMETRY	609 COMPUTER PROGRAMMING
723 GEOMETRY LAB	623 WEB DESIGN
729 ALGEBRA II H	624 ROBOTICS AND FOUNDATIONS OF ELECTRICAL ENGINEERING
726 ALGEBRA II	620 AP COMPUTER SCIENCE A
731 PRINCIPLES OF ALGEBRA II	621 AP COMPUTER SCIENCE PRINCIPLES
735 INTRO TO COLLEGE ALGEBRA	
736 PRE-CALCULUS	
737 PRE-CALCULUS HONORS	

### **715 Algebra I**

**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.

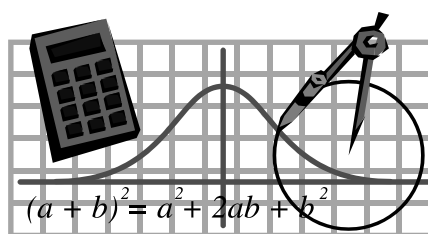
### **713 Algebra IA**

**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.



## **714 Algebra IB**

**Grade: 10**

**Unit of Credit: 1**

**Prerequisite: Algebra 1A**

This is the second year of a two-year program covering the New York State Core Curriculum for Algebra I. It is designed as a follow-up course to Algebra IA. The course reinforces elementary algebra, functions and their graphs, and statistics. Students will take the New York State Common Core Algebra I exam in June.



## **718 Geometry H**

**Grade: 9**

**Unit of Credit: 1**

**Prerequisite: Final grade of 90% in Algebra I and Departmental Approval**

This course is for students who have successfully completed 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, transformations, and constructions. Students will take the Common Core Geometry Regents exam in June.

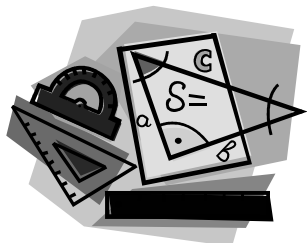
## **719 Principles of Geometry**

**Grade: 11**

**Unit of Credit: 1**

**Prerequisite: Algebra IB or final grade below 75% in Algebra I**

This course covers the New York State Core Curriculum for Geometry. This course moves at a more moderate pace compared to Geometry. Topics include Euclidean geometry and elementary proofs, logic, and constructions. This course emphasizes the use of proofs in mathematics as well as contextual problems. A final exam will be given in June.



## **723 Geometry Lab**

**Grade: 9**

**Unit of Credit: 0**

**Prerequisite: Algebra I**

Ninth grade Geometry students who earned a final average below 80% in Algebra 1 will have the opportunity to enroll in Geometry Lab. This support period will take place every other day and aims to reinforce concepts learned in their Geometry course.

## **725 Geometry**

**Grade: 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 and constructions. 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.

## **729 Algebra II H**

**Grade: 10**

**Unit of Credit: 1**

**Prerequisite: Final grade of 85% or higher in Geometry H**

This course is designed for tenth grade students who have successfully completed Geometry Honors. Beyond topics covered in Course 726, selected additional and more demanding topics are included. The Common Core Algebra II Regents exam will be given in June.

## **726 Algebra II**

**Grades: 10-11**

**Unit of Credit: 1**

**Prerequisite: Final grade of 75% or higher in Geometry**

This course integrates the studies of intermediate algebra, trigonometry and statistics. Topics include complex algebraic functions, systems of equations and inequalities, polynomials and radicals, trigonometric functions, trigonometric applications, trigonometric identities and equations, exponents and logarithms, statistical analysis, curve fitting and models, and elementary function theory. Students will take the Common Core Algebra II Regents exam in June.

## **731 Principles of Algebra II**

**Grades: 11-12**

**Unit of Credit: 1**

**Prerequisite: Principles of Geometry or a final grade of below 75% in Geometry**

This course is designed to introduce students to the study of intermediate algebra and trigonometry. Topics include algebraic functions, systems of equations and inequalities, polynomials and radicals, trigonometry, exponents and logarithms, statistics, and elementary function theory. Students will take a final exam in June.

## **735 Introduction to College Algebra**

**Grade: 12**

**Unit of Credit: 1**

**Prerequisite: Principles of Algebra II or a final grade of below 75% in Algebra II**

This course is designed to give students a thorough preparation for college level mathematics. Topics studied include elementary function theory, polynomials, exponents, logarithms, trigonometry, graphs of functions, and matrices. Students will consistently use the graphing calculator in conjunction with the topics and there will be an emphasis on applications and models. A final exam will be given at the end of the course.

## **736 Pre-Calculus**

**Grades: 11-12**

**Unit of Credit: 1**

**Prerequisite: Final grade of 75% or higher in Algebra II**

This course is an introduction to the topics explored in depth in higher mathematics. It includes real and complex numbers, equations and inequalities, functions and their graphs, sequences, series, induction, exponents, logarithms, vectors, matrices, trigonometry with applications, the conic sections, polar coordinates, and limits.

Students have the option of receiving 4 college credits through SUNY Westchester. The fee for college credit is approximately \$276.

## **737 Pre-Calculus Honors**

**Grade: 11**

**Unit of Credit: 1**

**Prerequisite: Final grade of 85% in Algebra II H**

This is a rigorous course that focuses on advanced precalculus and exposure to calculus in preparation for AP Calculus BC. Topics studied are functions and their graphs, sequences, series and induction, trigonometry, conic sections, complex numbers and polar coordinates, limits, and derivatives.

Students have the option of receiving 4 college credits through SUNY Westchester. The fee for college credit is approximately \$276.

## **740 Calculus**

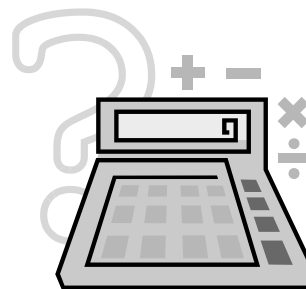
**Grade: 12**

**Unit of Credit: 1**

**Prerequisite: Pre-Calculus**

This college level math course is a continuation of the analysis of mathematical functions as presented in Pre-Calculus. Applications of the derivative through curve sketching, related rates, and extreme value word problems complete this differential calculus program. Basic techniques of integration, the fundamental theorem of calculus, and the areas and volume generated by curved surfaces will also be analyzed and evaluated.

Students have the option of receiving 4 college credits through SUNY Westchester. The fee for college credit is approximately \$276.



## 746 AP Calculus AB

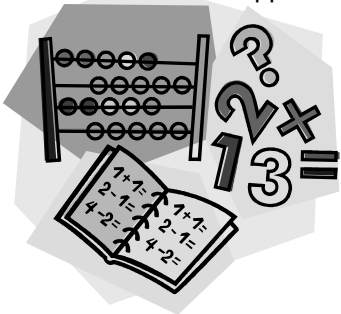
Grade: 12

Unit of Credit: 1

Prerequisite: Final grade of 85% or higher in Pre-Calculus

This college level course is intended for students who have a thorough knowledge of college preparatory mathematics, including algebra, geometry and trigonometry. Topics include functions, limits, continuity, derivatives with applications, transcendental

functions, and integrals and their applications. Students are required to take the Advanced Placement exam in May.



## 747 AP Calculus BC

Grade: 12

Unit of Credit: 1

Prerequisite: Final grade of 80% or higher in Pre-Calculus Honors

Calculus BC studies the calculus of functions of a single variable. It includes all topics covered in Calculus AB and additional topics including techniques of integration of series and sequences, polar and parametric equations, and vector valued functions. The content of Calculus BC is designed to qualify the student for placement and credit in a course that is one course beyond that granted for Calculus AB. Students are required to take the AP Calculus BC exam in May.

## 748 AP Statistics

Grades: 11-12

Unit of Credit: 1

Prerequisite: Final grade of 80% or higher in Algebra II and Precalculus (may be taken concurrently with Precalculus).

The purpose of the AP statistics course is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes:

**Exploring Data:** Describing patterns and departures from patterns

**Sampling and Experimentation:** Planning and conducting a study

**Anticipating Patterns:** Exploring random phenomena using probability and simulation

**Statistical Inference:** Estimating population parameters and testing hypotheses

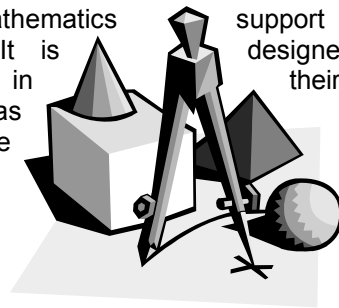
Students in this course are required to take the Advanced Placement Exam in May.

## 705 Math Workshop

Grades: 9-12

Unit of Credit: None

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.



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*The following Math electives may be taken for additional credits in Mathematics beyond the yearly required credit.*

### **609 Computer Programming**

**Grades: 9-11**

**Credit: 1**

**Prerequisites: None**

The goal of this course is to provide students with an understanding of how automation and computation can be used to solve problems. There is no background in coding required! Students will leave this course feeling confident in their ability to write programs in a high-level language, allowing them to accomplish simple, yet useful goals. Students will study data types, conditional statements, methods, classes, and object-oriented design. Emphasis will be placed on projects that encourage creativity as well as technical skill. The language used in this course is Java.

### **623 Web Design**

**Grades: 9-11**

**Credit: ½**

**Prerequisites: None**

This is a project-based course that teaches students how to build their own web pages. Students will learn the languages HTML and CSS, and will create their own live homepages to serve as portfolios of their creations. Students will finish this course with tangible, professional, mobile responsive websites.

### **624 Robotics and Foundations of Electrical Engineering**

**Grades: 10-12**

**Credit: 1**

**Prerequisites: Final Grade of 80% in 609**

This course is intended for any student that has an interest in pursuing STEM in college. Students will gain programming and electronics engineering skills through the use of the Arduino. The Arduino is an open-source computer hardware/software platform for building digital devices and interactive objects that can sense and control the physical world around them. In this class the students will learn how the Arduino works in terms of the physical board and how to program their customized board.

### **621 Advanced Placement Computer Science Principles**

**Grades: 10-12**

**Credit: 1**

**Prerequisites: Completion of 609 or 623**

Advanced Placement Science Principles is a foundational course in the logic of coding. It will focus on strategizing to build algorithms using control structures like if-else statements and loops to solve a problem. This course does not have a designated programming language, so the rigor of the course lies in the creativity and computational thinking that one may apply to find a solution. AP Computer Science Principles also explores the global impact of the internet on society, communication, and collaboration.

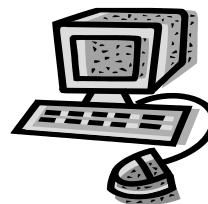
### **620 Advanced Placement Computer Science A**

**Grades: 10-12**

**Credit: 1**

**Prerequisites: Final grade of 85% in 621 or 624**

Advanced Placement Computer Science A is the equivalent of a first-semester college-level course in computer science. It will emphasize object-oriented programming methodology with a concentration on problem solving and algorithm development as well as the study of data structures, design, and abstraction. Some of the key topics covered are algorithms, data types, control structures, recursion, object-oriented design, program implementation, program analysis, and computing in context. Students will also be exposed to the standard Java class libraries. Although the primary language used in the course is Java, the concepts are readily transferable to any other object-oriented language. Students are required to take the Advanced Placement examination in May.



# SCIENCE

The Science curriculum consists of courses that use science as a method of inquiry and learning. Emphasis is placed on the processes of science that allow students to discover and interpret scientific knowledge, develop positive attitudes toward science, encourage an interest in science as a vocation, and utilize problem solving/decision making techniques that relate to a technology-oriented society.

## COURSE OFFERINGS

813 EARTH SCIENCE	880 AP CHEMISTRY
814 BIOLOGY/LIVING ENVIRONMENT	881 AP BIOLOGY
816 BIOLOGY/LIVING ENVIRONMENT HONORS	882 COLLEGE PHYSICS
883 AP ENVIRONMENTAL SCIENCE	884 AP PSYCHOLOGY
828 CONCEPTUAL CHEMISTRY	885 PSYCHOLOGY
830 CHEMISTRY	843 ANATOMY AND PHYSIOLOGY
836 CHEMISTRY HONORS	844 PHYSICAL GEOLOGY
838 CONCEPTUAL PHYSICS	851 ENVIRONMENTAL SCIENCE
840 PHYSICS	852 ETHICS IN SCIENCE
860 ADVANCED SCIENCE RESEARCH	853 ASTRONOMY
	887 FORENSIC SCIENCE
	805 SCIENCE WORKSHOP

### **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**

**Grades: 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. This course is also a preparatory course for Advanced Placement Biology.



## **883 AP Environmental Science**

**Grade: 9-12**

**Unit of Credit: 1**

**Prerequisite: 9th grade students must have a final average of 90% in Earth Science, Algebra I, and English. 11<sup>th</sup> and 12<sup>th</sup> grade students should have successfully completed Regents Chemistry or Departmental Approval.**

This course offers two sections, one for underclassmen and one for upperclassmen. It is an alternative to Biology Honors for 9<sup>th</sup> grade students and is also available to upperclassmen. It follows a combined curriculum outlined by New York State and the College Board. 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: ecosystems, biodiversity, populations, Earth systems and resources, land and water use, energy resources and consumption, atmospheric pollution, aquatic and terrestrial pollution, and global change. All students are required to take the AP exam in May and 9<sup>th</sup> graders will take the Living Environment Regents exam in June. Freshmen 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.

## **828 Conceptual Chemistry**

**Grades: 11-12**

**Unit of Credit: 1**

**Prerequisite: Algebra I or Algebra 1A and 1B**

**Final grade of 75% or below in Biology**

Conceptual Chemistry is an introductory course in foundations of chemistry. The emphasis is providing a basic understanding of chemical concepts and their applications in real world situations. Topics include: physical properties of matter, atomic structure, chemical bonding, the periodic table, chemical reactions, kinetics and acids/bases. The course is at the conceptual level with basic algebraic problem solving.

## **830 Chemistry**

**Grades: 10-11**

**Unit of Credit: 1**

**Prerequisite: 75% in Biology or Departmental Approval, and 75% in Algebra I.**

Regents Chemistry is a comprehensive course in modern chemistry. Ten units are studied: physical properties of matter, atomic structure, chemical bonding, the periodic table, moles/stoichiometry,

kinetics and equilibrium, organic chemistry, oxidation and reduction, acids, bases and salts, and nuclear chemistry. 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 Chemistry Regents exam in June.

## **836 Chemistry Honors**

**Grade: 10**

**Unit of Credit: 1**

**Prerequisite: Final average of 85% in Biology Honors/APES or 92% in Biology and 90% in Algebra I.**

Chemistry Honors is designed to offer investigations in chemistry beyond the Regents level. All students are required to take the Chemistry Regents exam. This course is also a preparatory course for Advanced Placement Chemistry.

## **838 Conceptual Physics**

**Grades: 11-12**

**Unit of Credit: 1**

**Prerequisite: Algebra I or Algebra 1A and 1B**

**Final grade of 75% or below in Biology or Chemistry.**

Conceptual Physics describes the workings of the world around us. It deals with everyday occurrences such as: Does a curve ball really curve; and can you not wear a seat belt and save yourself in a car accident by bracing yourself against the dashboard? The course is at the conceptual level, with basic algebraic problem solving. The course covers mechanics, including forces, motion, projectiles, and energy.

## **840 Physics**

**Grades: 11-12**

**Unit of Credit: 1**

**Prerequisite: Concurrent enrollment in Algebra II and 75% in Chemistry or Departmental Approval**

Regents Physics is an introductory course with emphasis on the following topics: motion, forces, projectiles, collisions, energy, waves, electricity, magnetism, modern physics, and the standard model of the atom. 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 Physics Regents exam in June.

## **860 Advanced Science Research**

**Grades: 10-12**

**Unit of Credit: 1 for each year**

**Prerequisite: Written essay due in the spring. Applicants will be chosen based on academic achievement, the written essay, and the student's desire to perform original research.**

Advanced Science Research (ASR) is an independent study course for motivated students interested in conducting their own scientific research. Students are encouraged to study any scientific topic they find interesting. They will be trained as professional scientists in all necessary areas: scientific philosophy, literature review, experimental design/execution, data analysis, scientific communication (presentations and writing professionally). Students will design and conduct their own experiments at school. Students will also find professional/University-level scientists in their field of choice in order to conduct original research outside the classroom. Their results will be presented in high profile science competitions, including Regeneron Talent Search (formerly Intel). Tenth grade students are required to commit to 3 years of enrollment in order to complete the research required. This course receives Honors weighting.

## **880 AP Chemistry**

**Grades: 11-12**

**Unit of Credit: 1**

**Prerequisite: Final grade of 85% in Chemistry Honors or 92% in Regents Chemistry and 85% in Regents Physics. Concurrent enrollment in Regents Physics and AP Chemistry requires Departmental Approval.**

This course is equivalent to the general chemistry course offered during freshman year of college. AP Chemistry differs from Regents Chemistry in the textbook used, the more advanced topics covered, the emphasis on chemical calculations, and the kind of experiments performed. All students are required to take the AP exam in May.

## **881 AP Biology**

**Grades: 11-12**

**Unit of Credit: 1**

**Prerequisite: Final grade of 85% in Biology, Chemistry, and Physics. Concurrent enrollment in Physics and AP Biology requires Departmental Approval.**

This course is equivalent to an introductory biology course offered in college. There is a substantial focus on biology at the molecular level with its importance in the functioning of organisms, the functioning of biological communities and its application to evolution. Students will learn to describe and explain biological concepts and processes; use diagrams and models; develop questions and propose ways to test those questions; process, present and describe data; perform statistical tests to support claims, and make predictions that can be justified. All students are required to take the AP exam in May.

## **882 College Physics**

**Grade: 12**

**Unit of Credit: 1**

**Prerequisite: Final grade of 90% in Regents Physics and enrollment in Calculus.**

This course is comprised of two, 4-credit college physics courses, identical in scope and sequence to AP Physics C Mechanics and AP Physics C Electricity & Magnetism. Topics included are kinematics, dynamics (Newton's Laws), work and energy, linear momentum and systems of particles, rotation, simple harmonic motion, gravity and orbits, electrostatics, conductors and capacitors, circuits, magnetic fields, and electromagnetism.

Deep comprehension of the fundamental principles of physics and their application to complex problem solving is stressed. Algebra and trigonometry are used extensively and require a high degree of comfort and speed. Calculus topics, including both differentiation and integration, are engaged throughout the course. Qualified students interested in pursuing engineering, math, physics, or other mathematical sciences are strongly encouraged to take this course.

This course receives AP weighting. Students taking the course are eligible to apply for 8 college credits through SUNY Westchester. Students are expected to take both AP Physics C exams in May.

## **884 AP Psychology**

**Grades: 10-12**

**Unit of Credit: 1**

**Prerequisite: None**

This college level course focuses on the basic concepts in psychology through class discussions, experiments and outside reading. Major topics include the brain, development, consciousness, sensation, perception, learning, memory, thinking and language, motivation, emotion, theories of personality, psychopathology, therapy, statistics, intelligence and social psychology. All students are required to take the AP exam in May and will have additional assignments as a final June evaluation.

## **885 Psychology**

**Grades: 10-12**

**Unit of Credit: 1**

**Prerequisite: None**

Psychology is the scientific study of behavior and mental processes. The course emphasizes analytical reasoning, conceptual understanding and critical thinking through class discussions, experiments and outside reading. Major topics include the brain, development, consciousness, perception, learning, memory, thinking, language, theories of personality, psychopathology, therapy, statistics, intelligence and social psychology.

## **843 Anatomy and Physiology**

**Grades: 11-12**

**Unit of Credit: 1 (4 College Credits)**

**Prerequisite: 80% combined average or higher in Regents-level Earth Science, Biology, and Chemistry or Departmental Approval.**

Anatomy and Physiology will explore the layout and function of the human body. Included is a review of basic chemistry and cellular structures followed by the exploration of the different tissue types. A summary, as discussed by health care professionals, of the planes, directions, orientations and cavities will take place. Each body system will then be studied in detail. The systems will be divided into the following categories: exchange with the environment (digestive and respiratory systems); fluids and transport within the body (cardiovascular, lymphatic, immune and the urinary systems); structure, support, protection, and movement (integumentary, skeletal, and muscular systems); and control and regulation (nervous and endocrine systems). The reproductive system as well as well as diseases and homeostatic disruptions of each organ system will also be studied.

This course receives AP weighting. Students taking the course are eligible to apply for 4 college credits through SUNY Westchester. The fee for college credit is approximately \$276.

## **844 Physical Geology**

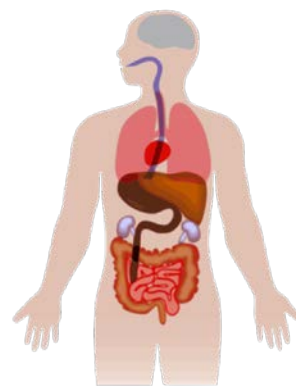
**Grades: 11-12**

**Unit of Credit: 1 (4 college credits)**

**Prerequisite: 80% combined average or higher in Regents-level Earth Science, Biology, and Chemistry or Departmental Approval.**

Physical Geology is a college level elective course designed for junior and senior students as a hands-on exploration of the Earth and the interactions between the lithosphere, atmosphere, hydrosphere, and biosphere. Topics covered will be similar to those typical of an introductory college geology course, including mineralogy and petrology, weathering and erosion systems, tectonics and structural geology, field geology, landform studies, geochemistry and environmental geology, and historical geology. Students will learn to use the tools of a modern geologist including Brunton Transit compasses, GPS receivers, rock saws and polarizing microscopes, the AS-1 seismograph, and modern computer software to examine the Earth. Students will be strongly encouraged to attend at least one local weekend field trip.

This course receives AP weighting. Students taking the course are eligible to apply for 4 college credits through SUNY Oneonta. College credit will require successful completion of this course and a long-term research project. The fee for college credit is approximately \$200.





# WORLD LANGUAGES

The ability to communicate in a second language provides a unique opportunity to gain access to other people and their cultures. The department is dedicated to the development of proficiencies in the communication skills enabling students to speak, understand, read, and write in at least one language other than English, and to comprehend written, spoken, and visual presentations in various media. Students will also acquire knowledge, understanding, and appreciation of the artistic, cultural, and intellectual accomplishments of other peoples to foster cross-cultural understanding.

## COURSE OFFERINGS

<b>311 FRENCH 2</b>	<b>345 AP ITALIAN</b>
<b>321 FRENCH 3</b>	<b>313 LATIN 1</b>
<b>331 FRENCH 4</b>	<b>323 LATIN 2</b>
<b>340 FRENCH 5</b>	<b>304 SPANISH 1</b>
<b>341 AP FRENCH</b>	<b>314 SPANISH 2</b>
<b>302 ITALIAN 1</b>	<b>324 SPANISH 3</b>
<b>312 ITALIAN 2</b>	<b>334 SPANISH 4</b>
<b>322 ITALIAN 3</b>	<b>343 SPANISH 5</b>
<b>332 ITALIAN 4</b>	<b>344 AP SPANISH</b>
<b>342 ITALIAN 5</b>	

### **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.

### **321 French 3**

**Grades: 10-12**  
**Unit of Credit: 1**  
**Prerequisite: French 2**

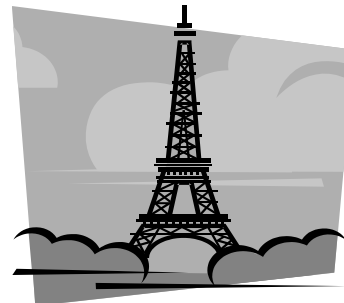
This course provides for the continued development of language proficiency through mastery of the more common verb tenses and more sophisticated vocabulary. Authentic supplementary materials will be regularly introduced in class in order to further develop students' cultural awareness of France and other French speaking countries. For the Advanced Regents Diploma, students must pass the course and the locally developed Comprehensive Examination in French which is aligned to the Checkpoint B Learning Standards for Languages Other Than English.

### **331 French 4**

**Grades: 11-12**  
**Unit of Credit: 1**  
**Prerequisite: French 3**

This course is designed as part of a two-year course (the second year is French 5/AP). The grammatical content is similar from year to year; however, the literary focus will alternate from year A to year B. The alternating years will be based on the 6 theories presented by the College Board. Year A will cover 3 themes and year B will cover the other 3 themes.

Students taking the course are eligible to apply for 3 college credits through SUNY Westchester. The fee for college credit is approximately \$207.



### **340/341 French 5/AP**

**Grades: 12**

**Unit of Credit: 1**

**Prerequisite: Final grade of 90% in French 4 and Departmental Approval for French AP**

French 5/AP is the continuing sequence of French 4. **Year A** focuses on the designed themes recommended by the College Board. The various themes reflect contemporary life and current events and are paired with literature. **Year B** students will continue to explore the literature and culture of the

Francophone world and continue with the six themes of the College Board. Furthermore, students review French grammar with a concentration on advanced grammatical topics. All students in 341 are required to take the AP exam in May.

### **302 Italian 1**

**Grades: 9-12**

**Unit of Credit: 1**

**Prerequisite: None**

In this introductory course, 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.

### **322 Italian 3**

**Grades: 10-12**

**Unit of Credit: 1**

**Prerequisite: Italian 2**

This course provides for the continued development of language proficiency through mastery of the more common verb tenses and more sophisticated

vocabulary. Increased emphasis will be placed on reading and writing proficiency; listening and speaking proficiency will be refined. Students will work with a variety of supplementary materials and will be exposed to a wealth of cultural information. Students must pass the course and the locally developed Comprehensive Examination in Italian which is aligned to the Checkpoint B Learning Standards for Languages Other Than English.

### **332 Italian 4**

**Grades: 11-12**

**Unit of Credit: 1**

**Prerequisite: Italian 3**

Italian 4 will focus on Communication, Culture, Connections, Comparison, and Communities. It seeks to enable students to enrich their abilities in both the spoken and the written language in order to be aware of the incredible wealth and patrimony of Italian heritage. There are selections of readings from contemporary authors and newspapers that stress different aspects of Italian society, customs, and traditions. Readings will also provide for language fluency improvement through vocabulary expansion, structure analysis, oral reports, and written compositions. Viewing Italian television news reports, films, and documentaries will help to achieve these objectives.

Students taking the course are eligible to apply for 3 college credits through SUNY Westchester. The fee for college credit is approximately \$207.

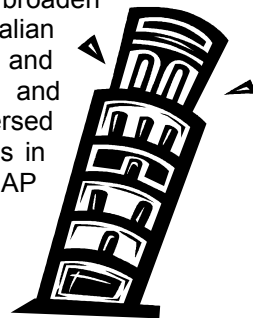
### **342/346 Italian 5/AP**

**Grade: 12**

**Unit of Credit: 1**

**Prerequisite: Final grade of 90% in Italian 4 and Departmental Approval for Italian AP**

This college-level course in Italian focuses on the designated six AP themes and the various subthemes recommended by the College Board. Students read and discuss a variety of authentic resources, including short stories and plays from Italian literature. Additionally, students review advanced grammatical topics. A secondary objective of the course is to broaden students' knowledge of Italian culture. Through readings, films, and articles from magazines and newspapers, students are immersed in this rich heritage. All students in 345 are required to take the AP exam in May.



## **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.

## **324 Spanish 3**

**Grades: 10-12**

**Unit of Credit: 1**

**Prerequisite: Spanish 2**

Greater emphasis is placed on further development of reading, writing and communicative skills. During the second semester, students read short stories in order to expose them to the culture of the Hispanic people. For the advanced regents diploma students must pass the course and the locally developed Comprehensive Examination in Spanish which is aligned to the Checkpoint B Learning Standards for Languages Other Than English.

## **334 Spanish 4**

**Grades: 11-12**

**Unit of Credit: 1**

**Prerequisite: Spanish 3**

The primary focus of this class is to increase the students' ability to communicate in Spanish with ease and confidence as they grow in understanding. Students will engage in making meaningful connections with diverse cultural practices, products, and perspectives that represent the unique contribution of Hispanics to world culture.

Through their coursework students will continue to expand their use of higher level vocabulary as they acquire a knowledge base of more advanced grammatical structures while they read, write, and discuss topics presented in class. In this course, students will be introduced to themes and tasks

from the Spanish AP Language and Culture course that follows the next year. Students will be challenged with assignments on authentic literature and essays.

Students taking the course are eligible to apply for 3 college credits through SUNY Westchester. The fee for college credit is approximately \$207.

## **343/344 Spanish 5/AP**

**Grade: 12**

**Unit of Credit: 1**

**Prerequisite: Final grade of 90% in Spanish 4 and Departmental Approval for AP**

This college-level course is based on the six themes required by the College Board. Students explore culture in both contemporary and historical contexts to develop an awareness and appreciation of cultural products, practices, and perspectives. In addition, students read short stories, current events articles from the Hispanic world, and review advanced Spanish grammar. Students must function in a class conducted primarily in Spanish. All students in 344 are required to take the AP exam in May.

## **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.



## **323 Latin 2**

**Grades: 10-12**

**Unit of Credit: 1**

**Prerequisite: Latin 1**

Latin 2, also an elective, explores the lives of the Cornelia family in the Rome of 80 A.D. More advanced grammatical structures such as the passive voice, accusative/infinitive constructions, subjunctive mode, and the comparative and superlative forms of adjectives are studied in detail. Historical topics include Roman society, eating habits and customs, a Roman funeral, and finally a Roman wedding.

# BUSINESS EDUCATION AND COMPUTER TECHNOLOGY

The Business Education and Computer Technology curricula have been designed to benefit all students and to address the workplace skills needed to succeed in the technological and global business environment.

The Business Education and Computer Technology Department offers a 5-unit sequence, which may be used for the Advanced Regents diploma. Please speak with your business teacher or guidance counselor if you are interested in this sequence.

## COURSE OFFERINGS

<b>610</b>	<b>MICROSOFT OFFICE APPLICATIONS</b>	<b>530</b>	<b>INTRODUCTION TO BUSINESS</b>
<b>510</b>	<b>CAREER AND FINANCIAL MANAGEMENT</b>	<b>540</b>	<b>BUSINESS LAW</b>
<b>520</b>	<b>ACCOUNTING I</b>	<b>545</b>	<b>INVESTING AND FINANCE</b>
<b>525</b>	<b>FINANCIAL ACCOUNTING</b>	<b>571</b>	<b>FOUNDATIONS OF ENTREPRENEURSHIP</b>
<b>529</b>	<b>FOUNDATIONS OF MARKETING</b>	<b>555</b>	<b>SENIOR INTERNSHIP-W.I.S.E. PROGRAM</b>

### **610 Microsoft Office Applications**

**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 and will be introduced to the features of the Microsoft 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, make smart banking choices, and develop a personal budget.





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. Students will study strategies used by businesses to find, motivate, and reward individual employees as well as successful work teams.

*Operations:* Students will be provided with the concepts, techniques, and tools needed to design, analyze, and improve operational capabilities of an organization.

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

## **540 Business Law**

**Grades: 11-12**

**Unit of Credit: 1 (3 College Credits)**

**Prerequisite: None**

Law touches every individual daily. This course helps students learn about life in our complicated society. Enrichment activities include mock trial simulations and guest speakers from the legal community. Students will:

- learn the origins of our laws
- recognize the importance of laws
- understand steps in a lawsuit/trial
- be able to read and analyze contracts
- know the rights and responsibilities of minors
- discuss current issues related to corporate accountability, privacy, the internet, and business ethics
- learn about business crimes and torts
- investigate government regulation on competition and pricing

Students have an opportunity to take this course for three college credits through SUNY WCC. A separate college fee of approximately \$179.00 is required and must be paid by the second week of class.

## **545 Investing and Finance**

**Grades: 10-12**

**Unit of Credit: ½**

**Prerequisite: None**

Are you interested in learning about the stock market? Do you want to learn how to make your money grow? This course will introduce students to fundamental financial concepts and tools used in making financial decisions. The course will cover investing in financial tools such as stocks, bonds, and mutual funds. Students will look at things to consider when making investment choices which include diversification, buying on margin, buying short, and risk versus reward. Students will study how the stock market works and how to invest wisely for their future. Students will participate in a semester long simulation in which they will be able to apply their knowledge of investing.

## **571 Foundations of Entrepreneurship**

**Grades: 11-12**

**Unit of Credit: 1 (3 College Credits)**

**Prerequisite: None**

Do you dream of owning your own business? Does being your own boss sound appealing? Do you want to be part of management? If so, this is the course for you. The student will experience first-hand economic decision making in the marketplace. The course is designed to provide students a basic foundation in the starting and managing of a small business. Content includes skills necessary to the management, merchandising, and marketing functions inherent in the operation of a small business. A major component of this course is the development of a written business plan.

Students have an opportunity to take this course for three college credits through SUNY Westchester. A separate college fee of approximately \$179.00 is required and must be paid by the second week of class.

## **555 Senior Internship - W.I.S.E. Program (Wide-ranging Interest-based Senior Experience)**

**Grade: 12**

**Unit of Credit: ½**

**Prerequisite: None**

WISE offers options for graduating seniors to spend the last 6 weeks of their senior year, after courses are successfully completed, working 25 hours/week in an unpaid internship or completing a pre-approved research or personal project. The WISE program seeks to provide graduating seniors with a

workplace experience in career areas of interest. Students observe professional interactions and functions in a wide range of field and perform tasks where appropriate.

Students will attend workshops on career exploration, resume writing, workplace etiquette and complete all required WISE assignments and paperwork before being approved to begin WISE. The experience  
Culminates in June with a presentation at the WISE Showcase.



# ART

The Eastchester High School Art Department offers an extensive program for students of varied interests and abilities. We encourage each student to realize his/her potential through self-expression in the Arts. Additionally, all of our courses are framed within a context of art appreciation, with historical and cultural references. After a foundation level Studio in Art course, which satisfies the one credit graduation requirement, students may choose to pursue a sequential program leading to the AP or Advanced Regents Diploma, or enroll in single courses as electives.

## COURSE OFFERINGS

**110 STUDIO ART**  
**120 DRAWING AND PAINTING**  
**130 ADVANCED STUDIO ART**  
**140 PORTFOLIO PREPARATION**  
**146 AP STUDIO ART**  
**147 AP ART HISTORY**  
**150 GLOBAL CRAFTS 1**  
**152 GLOBAL CRAFTS 2**  
**160 PHOTOGRAPHY 1**  
**161 PHOTOGRAPHY 2**

**170 DIGITAL MEDIA**  
**162 SCULPTURE**  
**171 GRAPHIC DESIGN 1**  
**172 GRAPHIC DESIGN 2**  
**169 3D DESIGN**  
**165 STUDIO IN JEWELRY & METALS 1**  
**166 STUDIO IN JEWELRY & METALS 2**  
**175 THEATER ARTS**  
**580-581 FILM & VIDEO PRODUCTION I & II**

### **110 Studio Art**

**Grades: 9-12**  
**Unit of Credit: 1**  
**Prerequisite: None**

This comprehensive course is designed for the incoming art student and is a prerequisite for all other art courses.

Studio Art is designed to provide a foundation for advanced courses in art. Emphasis is placed on understanding the elements of art and principles of design as a basis for composition. Students will explore a variety of artists, art processes, and materials such as drawing, painting, printmaking, and two and three-dimensional design. Student artwork will reflect aesthetic, cultural and historical contexts. Willingness to get involved in the creative process is a more important requirement than the student's talent or previous experience.

This course fulfills the New York State art requirement for graduation and is a prerequisite for all Art course electives.

### **120 Drawing and Painting**

**Grades: 10-12**  
**Unit of Credit: 1**  
**Prerequisite: Studio Art**

Drawing and Painting is a full-year course for grades 10 -12. It provides students an opportunity to expand on their drawing and painting concepts introduced in Studio Art. Emphasis is placed on experiences with design principles, drawing techniques, and painting skills leading to the development of abilities necessary for advanced art courses. Students are given more in-depth problems to solve creatively while becoming more adept through broad exposure to various media. Art history and aesthetics will be incorporated into all projects. Students are required to keep a sketchbook/journal and are encouraged to visit museums/galleries to view current exhibitions.



## **130 Advanced Studio Art**

**Grades: 11-12**

**Unit of Credit: 1**

**Prerequisite:** A full-year sequence in one artistic discipline (Drawing and Painting; Photography 1 & 2; Sculpture and 3D Design; Graphic Design 1 & 2 and/or Digital Media; or Studio Jewelry and Metals 1 & 2)

Advanced Studio Art utilizes contemporary art as a vehicle for developing conceptual artwork and a personal voice. Techniques and concepts are approached through a wide range of processes allowing students to develop artistic practices unique to their interests and abilities. Independent research in the form of a curatorial project will provide a conceptual framework for various culminating projects such as cyanotypes, artists' books, and experimentations in new media.

Critical thinking, advancement in artistic processes, and synthesis of materials are integral to creating a strong portfolio in preparation for college applications, and preliminary research for the capstone program AP Studio Art.

## **140 Portfolio Preparation**

**Grade: 12**

**Unit of Credit: 1**

**Prerequisite:** Advanced Studio Art or Departmental Approval

In this capstone course for seniors, students will generate and document a comprehensive portfolio of artwork for application to colleges or personal development. This portfolio will reflect the student's skills, artistic practices, and interests. Students are required to keep a sketchbook documenting their research, experimentation, and artistic processes throughout the year. Introductory professional practice is addressed, and building students' knowledge of contemporary art and personal artistic references is essential to this course. Each student will complete a Senior Thesis Project. This collection of artworks reflects a sustained investigation in which a particular artistic concern is investigated through four to six artworks and presented to the community in the spring.

## **146 AP Studio Art**

**Grade: 12**

**Unit of Credit: 1**

**Prerequisite:** Advanced Studio Art

The AP Studio Art portfolios are designed for students who are seriously interested in the practical experience of art. The AP Studio Art Program consists of three portfolios - 2-D Design, 3-D Design, and Drawing - corresponding to the most common college foundation courses. This course encourages creative and systematic investigation of formal and conceptual issues. It also emphasizes making art as an ongoing process that involves the student in informed and critical decision-making. Students will develop technical skills and familiarize themselves with the functions of visual elements. Through a series of artworks centered around a conceptual framework, students become independent thinkers who will contribute inventively and critically to their culture through the making of art.

AP Studio Art is not based on a written examination; instead, students submit a portfolio of 15 images to the College Board in May. This portfolio includes completed artworks, evidence of research, synthesis of materials, revision, experimentation, a written statement, and detailed annotations.

## **147 AP Art History**

**Grade: 11-12**

**Unit of Credit: 1**

The AP Art History course welcomes students into the global art world to engage with its forms and content as they research, discuss, read, and write about art, artists, art making, and responses to and interpretations of art. By investigating specific course content of 250 works of art characterized by diverse artistic traditions from prehistory to the present, students develop in-depth, holistic understanding of the history of art from a global perspective. Students learn and apply skills of visual, contextual, and comparative analysis to engage with a variety of art forms, developing understanding of individual works and interconnections across history.

This course requires reading, memorization, and strong writing skills.

## **150 Global Crafts 1**

**Grades: 10-12**

**Unit of Credit: ½**

**Prerequisite: Studio Art**

Global Crafts 1 is a one-semester elective course that will satisfy the mind of the culturally curious. This course will examine art objects specific to a series of cultures from around the world. Students will survey how these unique objects are used, made, and connected to other cultures throughout the world. Examining art objects in a cultural context, students learn how specialized objects play a role in various societies. This course will give students the unique opportunity to work with 2D and 3D processes such as printmaking, painting, weaving, and clay while investigating the elements of art and principles of design. By surveying world cultures students will be guided towards an appreciation of both craft, design, and art.

## **152 Global Crafts 2**

**Grades: 10-12**

**Unit of Credit: ½**

**Prerequisite: Studio Art**

Global Crafts 2 is a one-semester elective course that will further explore a variety of cultures throughout the world. Introduction to art, a survey of art history, and exposure to a variety of world cultures will guide students toward an appreciation of both craft, design, and art. Similar to Global Crafts 1 the class will examine art objects specific to cultures from around the world. Students will learn how unique cultural objects are used and made throughout the world. Students will examine art objects in a cultural context and learn how objects play a role in various societies. This course gives students the unique opportunity to work with 2D and 3D processes such as printmaking, painting, glass mosaics, clay, and paper while investigating the elements of art and principles of design.

## **160 Photography 1**

**Grades: 10-12**

**Unit of Credit: ½**

**Prerequisite: Studio Art**

Photography 1 is an introductory course in photography designed to offer experiences with a fully manual SLR camera. Various camera settings will be taught to offer greater creative and technical control. The elements and principles of design as they relate to photographic composition are emphasized. Students learn framing within the viewfinder and explore various compositional principles. Students also learn to examine images critically through weekly critiques. Black and White darkroom processes are introduced.

Successful completion provides a foundation for further study in photography. This class is open to sophomores, juniors and seniors after completing the prerequisite Studio Art class. There will be one to two hours of homework each week.

## **161 Photography 2**

**Grades: 10-12**

**Unit of Credit: ½**

**Prerequisite: Photography 1**

Photography 2 emphasizes and builds on processes learned in Photo 1. Students continue to investigate photography as a medium and their work becomes concept driven. Alternate processes, darkroom techniques, papers and exploratory research will be the focus. There will be one to two hours of homework each week.

## **170 Digital Media**

**Grades: 10-12**

**Unit of Credit: ½**

**Prerequisite: Studio Art**

This Adobe Photoshop Beginner Course will teach a beginner Photoshop user all essentials of Adobe Photoshop CC. This course engages students with the program's user interface and teaches students to use the program with ease. Through guided exercises, students learn different features, tools, and operations of the program. By the end of the course, students will engage in several creative projects ranging from Photoshop retouching to Photoshop for graphic design.

Digital Media, Graphic Design I, and Graphic Design II can be taken in any order to gain proficiency in the Adobe Creative Suite.

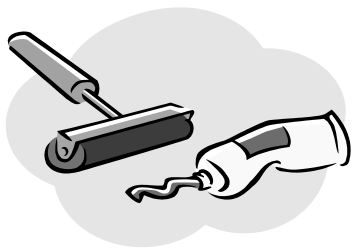
## **162 Sculpture**

**Grades: 10-12**

**Unit of Credit: ½**

**Prerequisite: Studio Art**

Sculpture is a studio-oriented course which covers a wide variety of materials and techniques and includes both planning and physical construction. Students will use a variety of mediums including plaster, paper, cardboard, clay and wood and will have the opportunity to create work in both additive and subtractive manners. Connections to art, contemporary artists and art practices will provide context to understand sculptural issues. Students are encouraged to develop a critical eye and to strongly articulate and reflect as both viewer and creator.



## **171 Graphic Design 1**

**Grades: 10-12**

**Unit of Credit: ½**

**Prerequisite: Studio Art**

Adobe Illustrator is the industry standard computer illustration software. Students will use Illustrator to produce images and vector graphics for print or web. In this course, students will become fluent in Adobe Illustrator fundamentals such as setting up print documents, various drawing tools, type, color, shapes, and different approaches to producing illustrations. Additionally, students will learn how to effectively manage the Illustrator interface and compose original compositions with drawing tools, color, text, layers, templates, and artboards.

Graphic Design I is a semester-long elective for students interested in learning how design thinking and design processes can be used as a catalyst for exploration, innovation, and visual communication. In addition to building a foundational working knowledge in Illustrator, there is a special focus on typography and the many ways design has become a powerful force in the 21st century. This course embraces digital design and analog processes and examines how contemporary artists use both digital and analog processes to produce artwork.

Digital Media, Graphic Design I, and Graphic Design II can be taken in any order to gain proficiency in the Adobe Creative Suite.

## **172 Graphic Design 2**

**Grades: 10-12**

**Unit of Credit: ½**

**Prerequisite: Studio Art**

Adobe InDesign is the industry-standard page layout program. In this course, students will produce a variety of single-page and multi-page documents. Fundamental skills such as setting and formatting type, working with paragraph styles, importing images from Illustrator and Photoshop, defining and applying color, applying graphic effects, creating PDFs, and packaging files for printing. This course introduces the history, culture, and practice of making zines and gives students a series of open-ended prompts to create editioned books or pamphlets—whether personal, narrative, or political. A variety of book structures and digital and analog image-making methods are covered. Students will investigate an artist, political or historical movement, or a technique relating to zines in a collective print publication. In preparation for designing and screenprinting their own editioned zine.

Digital Media, Graphic Design I, and Graphic Design II can be taken in any order to gain proficiency in the Adobe Creative Suite.

## **169 3D Design**

**Grades: 10-12**

**Unit of Credit: ½**

**Prerequisite: Studio Art**

Students engage with the elements of art and principles of design as a means to investigate 3D forms and ideas in this half-year course. The class is divided into 4 distinct pathways: architectural design, interior design, fashion design, and industrial design. Projects are based on real-world applications learning how to measure and plan using architectural design concepts, color theory for interior design applications, exploring a conceptual idea through the technical language of clothing construction and product design and model making for industrial design. Materials such as paper, foam core, cardboard, and found objects along with utilization of the digital lab for interior design projects. Fundamental 3D design and professional practices of industrial design are explored.

## **165 Studio in Jewelry & Metals 1**

**Grades: 10-12**

**Unit of Credit: ½**

**Prerequisite: Studio Art**

Metals 1 introduces students to the basic techniques necessary for the design and fabrication of jewelry. This course is the foundation for further exploration in jewelry design and metalsmithing as a vehicle for self-expression. Focus is placed on basic bench techniques such as sawing, piercing, drilling, filing, soldering and polishing. By the end of the course, students will be able to apply basic jewelry fabrication techniques to complete projects. They will acquire knowledge of materials for making jewelry, as well as small functional and non-functional objects.

## **166 Studio in Jewelry & Metals 2**

**Grades: 10-12**

**Unit of Credit: ½**

**Prerequisite: Studio Jewelry & Metals 1**

Metals 2 further expands students' basic bench techniques with an emphasis on design and construction. Planning becomes an integral part of this class and students will work from sketch to physical construction. By the end of the course student will have a small collection of designed jewelry pieces.

## **580/581 Film & Video Production I & II**

**Grades: 10-12**

**Unit of Credit: 1**

**Prerequisite: Students must complete 580 prior to taking 581**

Students are exposed to a variety of techniques and tutored in scriptwriting, storyboard development, camera use, the inner workings of a professional television-recording studio and editing. They will have an opportunity to make films, TV shows, commercials, and music videos.

The course is divided into three main sections of study: Public Speaking & Presentations, Film & Video Production, and Analysis and Criticism. In this course, the student will:

1. perform various types of public speeches and presentations.
2. produce each type of production so that it is edited and suitable for airing.
3. demonstrate expertise based on a content specialty exam both written and performance based.
4. participate in videotaping school events.

## **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. 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).



# MUSIC

The Music Department offers a multifaceted program to accommodate a wide range of student interest levels and abilities. Its objective is to develop cultural and aesthetic values of the student through the art of performance and musical study. Individual guidance, a major component of the program, broadens the student's background and promotes self-sufficiency in music. The Music Department also offers three co-curricular clubs that are available to all qualified students: Full Orchestra, Jazz Band, and a cappella Choir. Each club meets once per week.

## COURSE OFFERINGS

- 103 ORCHESTRA**
- 108 SYMPHONIC BAND**
- 104 CONCERT BAND**
- 115 MIXED CHOIR**
- 105 CONCERT CHOIR**
- 117 SONGWRITING**
- 116 MUSIC THEORY**

### **103 Orchestra**

**Grades: 9-12**  
**Unit of Credit: 1**  
**Prerequisite: Prior enrollment or recommendation of Director**

String orchestra is a course that provides a setting in which students will be able to display their ability on a violin, viola, cello, or double bass. While using an ensemble approach to learning, the student will be able to demonstrate the proper techniques of basic musicianship such as tone, rhythm, articulation, dynamics, pitch, style, and interpretation. Along with the enhancement of basic musicianship, the student will demonstrate the proper disciplines and attitudes of being a positive member of an ensemble. The course meets daily and runs for the duration of the school year. Performance opportunities include the winter and spring concerts, NYSSMA solo festival, and Music in the Parks at Six Flags. String orchestra repertoire from the Baroque era to the present is learned.

### **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. Any student who does not have band experience should speak to the director.

### **104 Concert Band**

**Grades: 10-12**  
**Unit of Credit: 1**  
**Prerequisite: Prior enrollment or recommendation of Director**

This course is designed to give students the opportunity to play significant band music from the Baroque Period to the Twentieth Century. The band rehearses every day and performs in concerts, parades, and at football games. Students receive instruction in their individual instrument and in ensemble performance. Students with limited or no experience should meet with the director. Pianists can enroll and play pitched percussion.

### **115 Mixed Choir**

**Grade: 9**  
**Unit of Credit: 1**  
**Prerequisite: EMS Choir or recommendation of Director**

Mixed Choir is open to all students and serves as a foundation for choral singing at the high school level. This daily class serves as an introduction to sight singing, ear training, and vocal technique. These elements are emphasized through the study of basic solo and choral literature from a variety of musical styles. Students are required to participate in two concerts per year and to perform at the high school graduation ceremony. Those who wish to advance to Concert Choir must successfully complete this course.

## **105 Concert Choir**

**Grades: 10-12**

**Unit of Credit: 1**

**Prerequisite: Mixed Choir or approval of Director**

Concert Choir is open to students who have mastered the foundational skills in Mixed Choir or, under certain circumstances, by the approval of the instructor based on an interview and an audition. This is a daily class in which moderate to advanced sight singing, ear training, and vocal technique are studied through moderate to advanced choral and solo literature. In addition to daily class instruction, students are to attend regularly scheduled voice lessons provided by the instructor during the school day. Students are required to participate in two in-house concerts per year, the high school graduation ceremony, and additional outside performances and competitive festivals.

## **117 Songwriting**

**Grades: 9-12**

**Unit of Credit: 1**

**Prerequisite: None**

This course utilizes critical thinking skills to examine trends in popular music for the purpose of understanding the formulas for successful songwriting. It also requires creativity to apply meticulous songwriting techniques onto something artistic. Students will learn elements of music theory, basic piano skills, lyric writing techniques,

and song analysis. These skills will culminate in the writing and production of an original song using Garage Band. Students should have regular access to an iPhone, iPad or MacBook in order to access these programs at home (please note: Garage Band is only available on Apple products).

This course will dissect many current popular songs, and will explore the history of western popular music, influential artists, music in politics, and other current social/cultural trends that impact contemporary songwriting. Students will also identify and examine various professions within the music industry that are important to song production, recording, and marketing.

## **116 Music Theory**

**Grades: 10-12**

**Unit of Credit: 1**

**Prerequisite: Basic Understanding of Music or Recommendation of the Director**

In this year-long course, students will learn essential elements of music such as notation, major and minor scales, modes, key signatures, intervals, chords, non-chord tones, form, part-writing and score analysis will be studied. Aural dictation and ear training are also an integral part of the course and will be taught throughout the year. Students who are enrolled in band, orchestra, or choir are encouraged to take this course. Rudimentary knowledge of music is helpful, but not required.



# CAREER & TECHNICAL EDUCATION

The Eastchester Public Schools, in cooperation with the Southern Westchester Board of Cooperative Educational Services (BOCES) Center for Career Services, offers a program of occupational education designed to prepare students for gainful employment as skilled workers and technicians in recognized occupational areas. Many students graduating from these programs decide to continue their education at a technical institute or college. Students can begin these programs in junior year.

Students enrolled in the occupational education program can receive four credits for each year in the program.

The following courses are offered at the Center for Career Services in Valhalla, NY. Students attend the Center for a half-day (AM or PM), and attend EHS for the remaining part of the day for other required subjects. Sessions are assigned by counselors at EHS and transportation is provided.

## COURSE OFFERINGS

<b>ANIMAL SCIENCE</b>	<b>ELECTRICAL CONSTRUCTION</b>
<b>3D ART</b>	<b>COSMETOLOGY</b>
<b>ARCHITECTURE AND INTERIOR DESIGN</b>	<b>CULINARY ARTS</b>
<b>AUTO CAD</b>	<b>EMERGENCY MEDICAL SERVICES</b>
<b>AUTOMOTIVE TECHNOLOGY</b>	<b>FASHION DESIGN / MERCHANDISING</b>
<b>CISCO (NETWORKING)</b>	<b>NURSE ASSISTANT</b>
<b>COLLISION TECHNOLOGY</b>	<b>PRE-ENGINEERING</b>
<b>COMMERCIAL ART/MULTIMEDIA</b>	<b>SECURITY, LAW AND POLICING</b>
<b>CISMA - COMPUTER INFORMATION SYSTEM</b>	<b>SOUND PRODUCTION</b>
<b>MEDICAL ADMINISTRATIVE ASSISTANT</b>	<b>TV / VIDEO PRODUCTION</b>
<b>CONSTRUCTION/PLUMBING</b>	

In addition to the Career and Technical Education programs in the specified areas listed, BOCES offers an Introduction to Career and Technical Education. This program provides special education students with career skills and vocational training that can give them a head start in the job market by providing practical, hands-on career training. This program is open to students by special arrangement with their counselor.

### Transportation

All students must travel to and from the Tech Center by a bus provided by Eastchester High School. Students in the morning session will be bused to the center at approximately 7:35 AM and returned at 11:30 AM. Students in the afternoon session will leave EHS at 11:25 AM and return at 3:00 PM. Students are not permitted to drive cars to the center without written permission from parents, BOCES and the high school administration. Permission will only be granted for special reasons and with prior approval.

### College Placement

Center for Career Services students will receive assistance in applying to two-year and four-year colleges and receive information about continuing in their occupational specialty after high school. Your EHS counselor, in cooperation with the guidance staff at BOCES, will work to assist you in finding colleges to meet individual needs.

### Job Placement

Staff at the Center for Career Services specialize in job placement and development. They work closely with industry and trade unions to assist graduates in locating jobs and entering apprentice programs.

# SPECIAL EDUCATION

Special Education at Eastchester High School provides a continuum of services to meet the needs of students with disabilities. The majority of special education students must meet the higher state standards and graduation requirements. Our program strives to prepare students for the rigor of these new mandates. This goal is accomplished through providing opportunities for inclusive education and a continuum of support services. The comprehensive service delivery model includes regular classes, resource room, co-teaching, labs, workshops, testing modifications, and program modifications. Additionally, “safety nets” are in place in the event a student does not meet the requirements of a Regents diploma in any given subject.



Eastchester High School also offers a range of programs for students whose needs cannot be met through the inclusive model. These students, focusing on academic & social skills, will typically graduate with a New York State Alternative Assessment Diploma. In addition, the high school will be offering a supplementary Career Development and Occupational Studies Commencement Credential.