

SEAFORD HIGH SCHOOL



**COURSE HANDBOOK
2019-2020**

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IMPORTANT CONTACT INFORMATION

SEAFORD UNION FREE SCHOOL DISTRICT CENTRAL OFFICE

1600 Washington Avenue
Seaford, NY 11783

BOARD OF EDUCATION

Bruce A. Kahn, President
Stacie Stark, Vice President
Janice Baldwin, Trustee
Andrea Parisi, Trustee
Natalie Pedisich, Trustee

592-4012

CENTRAL ADMINISTRATION

Dr. Adele Pecora, Superintendent
John Striffolino, Assistant Superintendent for
K-12 Curriculum, Instruction & Personnel
Marie Donnelly, Assistant Superintendent for Business
Fred Kaden, Director of Technology
Mary Catherine Culella-Sun, Director of Special Education
Thomas Lynch, Executive Director for Instructional Technology & STEM

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SEAFORD HIGH SCHOOL

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DEPARTMENT CHAIRPERSONS

Art
Business/Computer/Mathematics
English
Health/Physical Education
Library/AV
Music
Science
Social Studies
Special Education
Technology
World Languages/ENL

Curtis Tripoli
Kevin O'Reilly
Linda Kanarek
Berto Cerasi
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Barbara Sherwin
James Scourtos
Thomas Fioriglio
Kimberly Cooke
Michael Flynn
Patricia Foley

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FOREWORD

We are proud to present to you the **2019-2020 Course Selection Handbook**. In it, you will find not only detailed descriptions of each of the courses that we offer, but also, information that will help you plan for your high school career.

As you examine the various course requirements and programs of study, it is important that you consider not only your own personal interests, but also suggestions from your parents and the recommendations of your guidance counselor. These will help you select the most appropriate courses for success in the pursuit of your diploma and in your life beyond Seaford High School.

It is our desire that you create an interesting and challenging program. We consider it a privilege to take part in the building of a bright future as you strive for success.

If we may be of assistance, our doors are always open.

Scott Bersin
Principal

Jennifer Bisulca
Assistant Principal

Nicole Schnabel
Assistant Principal



SEAFORD HIGH SCHOOL PHILOSOPHY & GOALS

Seaford High School has an "accept and challenge" philosophy. Students' individual differences are accepted, and each individual is challenged to achieve the full measure of his/her potential. The philosophy of Seaford High School is based on the belief that the school should provide students with the opportunity to develop individual academic, artistic, vocational, physical and social strengths. Seaford High School takes pride in its ability to offer its students a strong foundation of technological experiences integrated into all academic disciplines. The school accepts the responsibility on behalf of the community to foster each student's progress in all aspects of personal growth.

We believe that the school, in partnership with the Seaford community, should provide a secure, predictable environment which will encourage each student to internalize responsibility, thus enabling him/her to develop the social and moral skills necessary to become a contributing member of society and a self-disciplined young adult.

We believe that we must educate each student for a world of change. In order to facilitate this process, educators, in cooperation with parents and the community, should impart knowledge and teach skills pertinent in a changing society.

INTRODUCTION TO PROGRAM PLANNING

The Seaford High School Guidance Department is dedicated to helping all students plan and prepare for their future goals, whether those goals include college, vocational training, military service or employment. Each student is assigned a counselor who will work with him/her throughout all four years in Seaford High School. We encourage all students to address any questions or concerns with their counselor.



For the student who is planning to attend either a two-year or a four-year college, the best preparation is to take a demanding academic program in grades 9-12. Colleges evaluate a student's record for evidence that the applicant will be able to do the work expected at that particular college. Students should strive to complete coursework which helps them prepare for their college studies. The quality and rigor of a student's high school program, the grades earned in coursework, Regents examination results, and SAT/ACT scores are important factors most colleges review to decide a student's acceptability. A student's senior year academic program and achievement is of particular interest and importance to most colleges.

The courses described in this handbook will be offered based on sufficient enrollment and teacher availability. In the event that a course does not have sufficient enrollment, the counselor will notify the student and (s)he will be offered an opportunity to select an alternative. Unavoidable conflicts occur at times in the master schedule and occasionally students are unable to receive all of their selected courses. When available, an alternate course may be considered.

SCHEDULE CHANGES and WITHDRAWALS

Classes will be organized on the basis of enrollment figures received from students at the time of program planning. Teachers' schedules and other resources will be arranged based upon the enrollment figures established as of the close of registration. **As a result, after the closing date of May 31, a change of schedule or program will be made only because of clerical error or failure to meet a prerequisite.**

NO CHANGE OF PROGRAM OR SCHEDULE WILL BE MADE AT ANY TIME DURING THE SCHOOL YEAR unless there is ample educational reason for the change in the judgment of the guidance counselor and the administration. Any course dropped or added will be recorded on the Official Transcript. Parent approval will be required before any program or schedule change request will be considered. The decision of the principal is final.

Any student looking to withdraw from a full-year class, after the end of the 1st quarter, will receive a 'W' on their report card and transcript. Any student looking to withdraw from a half-year class, after the end of the 1st five weeks, will receive a 'W' on their report card and transcript. As transcripts are a permanent record, these marks would be visible for review by any post-secondary institution or place of employment requesting this document.

BOCES

Certain vocational and technical training programs are offered by Seaford High School in cooperation with the Nassau County Bureau of Cooperative Educational Services (BOCES) and the Levittown Memorial Education Center in grades eleven and twelve. Candidates for these vocational programs must demonstrate satisfactory attendance, academic progress towards timely graduation, and attitude during grades nine and ten. Application and selection takes place in the spring of the student's tenth grade year. A parent conference is *required* prior to the filing of a student's application.

CREDIT POLICY

The Seaford Board of Education has set the following minimum units of credit (excluding Physical Education) that a student must take while enrolled:

- Grades 9 & 10: 7 credits
- Grade 11: 6.5 credits
- Grade 12: 6 credits

HIGH SCHOOL DIPLOMA MINIMUM REQUIREMENTS

Regents Diploma Required Courses		Advanced Designation Regents Diploma Required Courses	
English	4 units	English	4 units
Social Studies	4 units	Social Studies	4 units
Math	3 units	Math	3 units
Science	3 units	Science	3 units
*World Languages	1 unit	*World Languages	3 units
Art/Music	1 unit	Art/Music	1 unit
Health	½ unit	Health	½ unit
Physical Education	2 units	Physical Education	2 units
Electives	<u>3.5 units</u>	Electives	<u>1.5 units</u>
Total	22 units	Total	22 units

Required Exams (Passing score of 65 and above)	Required Exams (Passing score of 65 and above)
English Regents	English Regents
Int. Algebra Regents	Int. Alg. <u>and</u> Geo. <u>and</u> Alg. 2/Trig.
Global Studies Regents	Global Studies Regents
US History Regents	U.S. History Regents
1 Science Regents (Living Environment <u>or</u> Physical Setting)	Living Environment <u>and</u> any Physical Setting
	**World Languages FLACS

- *A student identified as having a disability which adversely affects the ability to learn a language, may be excused from this requirement if such student’s individual education program indicates that such a requirement is not appropriate to the student’s educational needs. The student will be expected to substitute one credit in elective courses for the World Language requirement.
- **Students acquiring five units of credit in one of the following may be exempt from the three-unit Language Other Than English requirement: Art, Music, Business or Career and Technical education.
- Students who have not achieved a **minimum grade of 65%** on any of the Regents examinations required to earn a Regents diploma of Advanced Designation Regents diploma but passed the course, are **strongly encouraged** to retake the exam(s) during the August or January and/or June Regents examination periods when the exam(s) are offered. To do so, please see your guidance counselor.
- The low-pass option of scoring between 55-64 on the required Regents exams to earn a local diploma will continue to be available for students with disabilities.
- The New York State Education Department Board of Regents will require that all students earn either a Regents diploma or Advanced Designation Regents diploma. Students with disabilities will continue to fall under the safety net of a local diploma or CDOS option.

SAMPLE SCHEDULES FOR STUDENTS IN GRADES 9-12

While all students have individual needs and interests, use the below guide as a starting point for determining a list of classes your child should request at each grade level. Please note, there is no specific order or schedule of classes for each grade level. Each student's schedule will vary based on many factors. Please see your counselor for questions.

Grade 9

- Math
- Science
- Science Lab (*every other day*) / Physical Education (*every other day*)
- English
- Global Studies
- World Languages
- Health (*half a year*) / Elective (*half a year*) OR
 - Health (*every other day*) / Math/English/Social Studies Support Lab (*every other day*)
- Elective (*Students are encouraged to fulfill the Fine arts graduation requirement with one art or music class during grade 9*).
- Lunch

Grade 10

- Math
- Science
- Science Lab (*every other day*) / Physical Education (*every other day*)
- English
- Global Studies
- World Languages
- Elective
- Elective
- Lunch

Grade 11

- Math
- Science
- Science Lab (*every other day*) / Physical Education (*every other day*)
- English 11
- US History
- World Languages
- Elective
- Elective
- Lunch

Grade 12

- Math
- Science
- Science Lab (*every other day*) / Physical Education (*every other day*)
- English 12 (Two half-year courses) or (12 AP)
- Economics (*half year*) / Participation in Government (*half year*)
- World Languages
- Elective
- Elective
- Lunch

SEAFORD HIGH SCHOOL ADVANCED PROGRAM

As outlined in the Course Handbook, “Seaford High School has an ‘accept and challenge’ philosophy. Students’ individual differences are accepted, and each individual is challenged to achieve the full measure of his/her potential. The philosophy of Seaford High School is based on the belief that the school should provide students with the opportunity to develop individual academic, artistic, vocational, physical, and social strengths.” It is with this philosophy in mind that the following treatise is adopted.



In Seaford High School, all subjects and classes should be taught with the highest academic rigor. However, there should exist an even more challenging academic pathway for students wishing to go beyond the traditional curriculum and accrue potential post-secondary credits in their journey towards college. While all students are encouraged to participate in advanced-level classes, there are suggested requirements in place to ensure that the student will meet with a level of success without compromising the student’s self-confidence and the other students’ experience in these classes. The following general criteria are:

- **When a student is seeking entrance into an advanced level course from a non-advanced level course**, an average of 90 should be achieved in that non-honors level course and a teacher/guidance counselor recommendation is requested (ex.: English 9 into English 10 Advanced)
- **When a student is seeking entrance into an advanced level course from a previous advanced-level course**, an average of 85 should be achieved in that honors-level course (ex. English 9 Advanced into English 10 Advanced)
- **All prerequisite courses must have been passed in order to enter the advanced level course** (ex. French 4 must have been passed to enter AP French)

These are the general criteria for entrance into an advanced program but there may also be unique and specific criteria for particular advanced courses. Additional criteria are listed under each course listing in this handbook.

ADVANCED PLACEMENT COURSES

Advanced Placement courses teach students important skills that can lead to college success: how to read texts critically, how to solve problems analytically and how to write clearly. One of the most important criteria college admissions officials use to evaluate applicants for an incoming class is the quality and intensity of their high school course work. The presence of AP courses in students’ transcripts often indicate that they have availed themselves of the opportunity to take the most rigorous courses available. Research studies show that students who do well on an AP Exam are academically prepared to place out of a corresponding introductory college course and move on to the next higher-level course.

Scores of 3, 4, or 5 on the Advanced Placement Examination designate students as Qualified, Well Qualified, or Extremely Qualified for college-level studies. AP courses are recognized by some 2,500 colleges and universities, which grant credit, appropriate placement, or both to students who perform satisfactorily on AP examinations.

NATIONAL COLLEGIATE ATHLETIC ASSOCIATION (NCAA) REGULATIONS

The NCAA has established regulations for student-athletes beginning college and wishing to participate in Division I or II intercollegiate athletics. These regulations include a minimum number of required academic courses, minimum grade point averages and minimum SAT scores. By the end of 11th grade, interested high school student-athletes need to register with the NCAA at their website, www.ncaaclearinghouse.net. A copy of the details of these regulations, which have changed regularly, is available on-line at www.ncaa.org.

PROGRAMS TO SUPPORT INSTRUCTION

LIBRARY MEDIA CENTER

Library Hours: 7:25 a.m. to 3:20 p.m.

The Seaford High School Library supports the curriculum by providing a wide range of databases that are available to students and parents 24/7. Additional library services provide individual research support including MLA formatting, in-text citation, finding credible sites and developing the research process.

1. Students may work in the library before first period, during study hall and lunch periods, and after school.
2. Students wishing to work in the library during their study hall and lunch periods **MUST** report directly to their study hall or cafeteria teacher at the beginning of the period. All students must obtain a pass from the study hall or cafeteria teacher to come to the library. Students must then come directly to the library, sign in on the library attendance sheet, and remain in the library for the entire period. Students coming from lunch are asked to eat lunch first before coming to the library.
3. Students that would like to work on a Seaford School District computer, iPad, or Laptop, will be asked to sign for their equipment.
4. Gym/medical students are required to complete a physical education assignment while they are assigned to the library for the period.



LABS

READERS' & WRITERS' WORKSHOP

Alternating Days/P or F Grade

Please refer to the English department offerings for more information.

CRITICAL THINKING FOR SOCIAL STUDIES

Alternating Days/P or F Grade

Please refer to the Social Studies department offerings for more information.

MATH LAB

Alternating Days/P or F Grade

Labs are offered in Algebra, Geometry and Algebra 2. Please refer to Mathematics Section for more information.

SPECIAL EDUCATION SERVICES

Special Education services include a continuum of services from least restrictive to more restrictive settings.

- **Consultant Teacher** – This service is recommended for students who are fully integrated into the mainstream.
- **Resource Room** – This service provides supplementary instruction focusing on compensatory skills acquisition and assisting in organizing the student enabling him/her to meet the daily demands of the mainstream setting. (Maximum 5 students).
- **Integrated Class** – This type of course services students with disabilities in the general education setting with support from a special education and a general education teacher.
- **Student Support Class** – This class is designed for students whose needs may not be met in a collaborative general education setting.
- **CDP** – This program is for students who are alternatively assessed by NYS (NYSAA). The program is comprised of special classes, which may include functional academics, life skills and vocational training.

Psychological and social work services, drug and alcohol intervention, speech and language therapy, occupational and physical therapy, home and hospital instruction are also considered. Referrals to these programs may be made in writing to the Building Principal, to the specific specialist or to Ms. Mary Catherine Culella-Sun, Director of Special Services (592-4360). Inquiring students may receive further information regarding services from the Special Education Office, or they may speak to their guidance counselor.

DEPARTMENTAL OFFERINGS

ART



The Visual Arts Program addresses the needs of its students by enhancing their appreciation of the world in which they live.

PHILOSOPHY

The Visual Arts Program provides historical as well as cultural experiences. Students become “connected” to society by expressing themselves visually and verbally. Students are encouraged to develop creative, problem-solving thinking skills through their use of appropriate art mediums and techniques, to analyze and respond to works of art, and to understand the cultural dimensions and contributions of the arts.

The Art Department offers comprehensive foundation courses, elective courses, as well as Advanced Placement courses. A wide variety of classes are available to meet the individual personal and career goals of each student. Many 5-credit sequences can be constructed to meet graduation requirements.



INTRODUCTION TO STUDIO ARTS (#800)**1 year/1 credit**

This is a foundation course offering students a broad understanding of visual arts (drawing, painting, printmaking, sculpture). Students will learn to use a wide variety of materials, tools, techniques and equipment to create individual artwork. Art history will be introduced through an overview of art periods.

- Required for all students planning to develop an art sequence in Drawing/Painting.
- Successful completion of this course satisfies the Art/Music graduation requirement.

INTRODUCTION TO MEDIA ARTS (#801)**1 year/1 credit**

This foundation course offers a broad understanding of media arts (digitally created art and mixed media processes). Student artwork will focus on a variety of traditional art materials, tools and techniques. Digital art techniques will be utilized when preparing, designing and enhancing several projects. Art history is introduced through an overview of art periods.

- Suggested for all students planning to develop an art sequence in Computer Graphics or Graphic Design.
- Successful completion of this course satisfies the Art/Music graduation requirement.

DRAWING AND PAINTING (#820)**1 year/1 credit**

This course provides an opportunity for students to expand on the drawing and painting concepts introduced in Introduction to Studio Arts. Emphasis is placed on experiences with design principles, drawing techniques and painting skills leading to the development of abilities that are necessary for advanced art courses. Students are given more in-depth problems to solve creatively while becoming more adept through a broad exposure to various media. Students in this course use graphite, colored pencil, charcoal, pastel, watercolor, and acrylic paint while concentrating on drawing from life (still life set-ups, the figure and landscapes, and more).

- Prerequisite: Successful completion of *Introduction to Studio Arts* or *Introduction to Media Arts*.

ADVANCED DRAWING AND PAINTING (#822)**1 year/1 credit**

This advanced continuation of Drawing & Painting focuses on drawing from life as well as from reference. Students will use a variety of mediums including pastel, charcoal, oil pastel, mixed media collage and oil paint. The class will concentrate on portrait drawing, still life rendering, and abstraction while developing a personal style. Creativity, design and composition will be explored in depth.

- Prerequisite: Student must have earned at least an 85% average in *Drawing & Painting* or teacher recommendation.

DIGITAL ART: PHOTOSHOP & ILLUSTRATOR (#808)**1 year/1 credit**

This course teaches essential concepts and provides a working knowledge of Adobe Photoshop and Adobe Illustrator, for those wanting to learn how to create graphic images and manipulate photos. Using Photoshop, students will learn how this raster (pixel) based program can manipulate pixels to change photographic images. Students will learn the basics of selections, re-touching, colorizing, re-sizing, layer effects and filters. Using Illustrator, you will learn how this vector (point & line) based program can be used to create original detailed artwork. Students will learn Illustrator shape tools, pen tools, gradients, and gradient mesh tools to create a type of vector artwork known as rotoscoping. Finally, students will combine both raster and vector designs to produce original artwork.

- Recommended for students in grades 10-12.

GRAPHIC DESIGN (#812)**1 year/1 credit**

Graphic Designers are the artists who design the images that dominate our world. Logos, movie posters, product ads, websites, packaging, apps, and anything meant to communicate with the world visually, must first be conceived and executed by a designer. Students will combine their knowledge from *Computer Graphics: Photoshop & Illustrator* along with new layout and design theory to produce various works of visual communication art, many of which are used for school events (open house covers, yearbook cover, school musical posters, playbill and banners, etc.)

- Prerequisite: *Digital Art: Photoshop & Illustrator*

FILMMAKING I (#815)**1 year/1 credit**

This course provides the student with an appreciation of the film experience from critiquing and analyzing to video creation. Students are introduced to the fundamentals of digital video production. All aspects of pre-production (writing, story boarding), filming, and post-production (editing) will be experienced. Students begin working individually and eventually work in groups to create their own video productions.

- Recommended for students in grades 10-12.

SCULPTURE (#825)**1 year/1 credit**

This course offers an opportunity for students to learn different three-dimensional sculptural techniques that include construction, carving, casting, and modeling to create a variety of projects. A wide range of building materials will include fabric, wire, paper, clay, plaster and wood. Students will learn about various artists and their techniques through an overview of art history with each project.

- Recommended for students in grades 9-12.
- Suggested prerequisite: *Introduction to Studio Arts* or *Introduction to Media Arts*.
- This course *does not* fulfill the graduation requirement.

METHODS OF COMIC ILLUSTRATION & CARTOONING (#826)**1 year/1 credit**

This course offers students an introduction to both traditional and computer-based illustration and cartoon drawing methods. Various drawing skills will be developed while students engage in expressive character design, caricatures, art history, comic illustration and storyboarding. Multiple drawing mediums are used to complete comic/cartoon inspired works of art.

- Recommended for students in grades 10-12.
- Prerequisite: *Introduction to Studio Arts* or *Introduction to Media Arts*.
- This course *does not* fulfill the graduation requirement.

PHOTOGRAPHY II (#720)**½ year/½ credit**

Photography 2 is a project-intense course that focuses on the digital side of photography. Students will build upon their knowledge of traditional photography and will develop skills working with Digital SLR cameras and Adobe Lightroom. Students will visually communicate ideas through their photography by creatively manipulating compositions, lighting, action, and more.

- Prerequisite: *Photography I*
- This course can count as a credit towards the 5-credit sequence in either Art or Technology.

PROFESSIONAL PHOTOGRAPHY (#731)**½ year/½ credit (meets every other day all year)**

This is an advanced course in Digital SLR photography for students with a serious interest in photography. Students will develop their style while exploring the technical and artistic side of various photography careers: fashion, food, landscape, action, and event photography. Students will be required to conduct photo shoots outside of school and attend events completing jobs for clients, enabling them to work interpedently and cooperatively. Students will prepare a digital portfolio by producing a website showcasing their photography work.

- Prerequisite: *Photography II* or teacher recommendation
- This course can count as a credit towards the 5-credit sequence in either Art or Technology.

ADVANCED PLACEMENT ART:**1 year/1 credit****AP DRAWING - OR – AP 2D ART & DESIGN (#840)**

This college-level course is primarily for serious students who are considering further studies in art. Students will work independently in class and at home to fulfill course requirements. They will work on a completely individualized course of study, which will also broaden their understanding of past and present art styles and trends. All students are expected to take the Advanced Placement Exam (in the form of a 15+ piece portfolio of artwork, as well as written responses describing the materials, processes, and ideas used) for college credit. Students will also be able to use the artwork completed in this class for a college acceptance portfolio. At the conclusion of this course, students will present a “one person” art exhibit, which is the final exam for the course.

- Recommended for students in grade 12.
- Students are required to complete a summer assignment.
- Prerequisites for *AP Drawing*: *Introduction to Studio Arts*, *Drawing and Painting*, *Advanced Drawing and Painting*.
- Prerequisites for *AP 2D Art & Design*: *Introduction to Media Arts*, *Computer Graphics Photoshop & Illustrator*, *Graphic Design*.

BUSINESS



Career awareness, exploration, and preparation should begin early in a high school career.

PHILOSOPHY

The State Education Department notes, “Rapidly changing technology in the global economy affects the kinds of jobs in the workplace and the skills and training needed to succeed in them. Students must focus on broad career options, the development of individual plans to enter the workforce.”

Business has changed dramatically since the advent of the personal computer, and the software that goes with it. Word processing has revolutionized the job description of every worker. The need for Business Education courses has increased. The Seaford High School Business Department offers a coherent sequence of courses, as well as a variety of electives, that prepare a student for college and career.

Further, the course offerings in the Business Department can be combined to meet the requirements for the Regents Diploma with Advanced Designation or regular Regents diploma. Business courses can also be taken as electives. Please see the individual course descriptions for prerequisites, etc. The following table illustrates some of the many possible 5-unit Business sequence options.

BUSINESS EDUCATION COURSE SEQUENCE OPTIONS

<u>Courses</u>	<u>Credits</u>
Career and Financial Management*	1/2
OneDrive For College and Career Readiness	1/2
Guerrilla Marketing	1/2
Wall Street	1/2
Accounting	1
College Accounting (LIU dual-credit)	1
College Marketing Practices and Principles (LIU dual-credit)	1
Math and Financial Applications	1

ACCOUNTING (#616)

1 year/1 credit

The art of organizing and presenting financial information; accounting is the language of business. This course introduces students to the accounting process from elementary bookkeeping to modern computerized accounting systems. Recommended for students considering starting their own business, working in a family business or majoring in any business area in college. **Accounting has been approved as a specialized course for academic credit. This commencement level course may be used as a Business credit or as the third unit of Mathematics provided the student has passed the Algebra I Regents exam.**

- Open to students in grades 10-12.

CAREER AND FINANCIAL MANAGEMENT (#606)

½ year/½ credit

Personal financial choices are everywhere in today’s society, and most of us are faced with important decisions from a very early age. This course is designed to assist students in making those decisions, in both the short and long term, while furthering students’ knowledge of critical life skills in banking, budgeting and managing debt. The curriculum is project-oriented and will cover topics including career awareness, planning the college application process, the use of technology in research, and communications skills. This course is recommended for all students who are focused on college and career readiness.

- Required for students seeking 5-credit sequence in Business or Technology.

COLLEGE ACCOUNTING (#618)**1 year/1 credit**

Presents the basic elements and concepts of accounting using a hands-on approach. Emphasis on the procedures used for maintaining journals, ledgers and other accounting records and for the completion of end-of-period reports and financial statements for small service and merchandising businesses. College Accounting is offered in conjunction with Long Island University – C. W. Post Campus, and college credit will be granted at the end of the course. Tuition fees for three (3) credits from Long Island University will be collected at the beginning of the course.

- Open to students in grades 11 and 12 who have maintained an un-weighted cumulative average of at least 80 in core academic subjects (English language arts, mathematics, natural sciences, social sciences, world languages) throughout their high school careers
- Prerequisite: Minimum grade of 80% in *Accounting* or a minimum grade of 80% in Math and passing grades on Math Regents Exams.

***This course is offered for dual credit with Long Island University Post. Students who successfully compete two or more LIU dual credit courses while in high school may be eligible to receive an extra \$2,500 (per year) scholarship to LIU upon matriculating there.*

ONEDRIVE FOR COLLEGE AND CAREER READINESS (#602)**½ year/½ credit**

This course is a must for all college-bound students! Students will learn the latest technologies used in the business world, as well as by your teachers here in school. Students will learn how to use Office 365, OneDrive, OneNote and Sway, allowing them to interact more seamlessly with their teachers. As part of this course, students will learn how to use the three computer applications that colleges expect students to know upon entrance – Word, Excel and PowerPoint. These programs are the power tools of college success.

- Open to students in grades 9-12 who are focused on college and career readiness.

COLLEGE MARKETING PRACTICES AND PRINCIPLES (#614)**1 year/1 credit**

Marketing touches everyone's life constantly. This means that all students begin College Marketing with an intuitive understanding of what marketing is and how it works. This course provides students with a broad-based understanding of contemporary marketing principles and practices. Using text, case studies, online experiences, current events and hands-on projects, students will get a behind the scenes look at the power of marketing. Since marketing affects virtually all businesses, students gain important insights into both business and consumer behavior. This course is suitable for both business and non-business majors and gives students an opportunity to have a college level experience while gaining insight into the world of marketing, a topic that influences everyone. Marketing Practices and Principles is offered in conjunction with Long Island University - C.W. Post Campus, and college credit will be granted at the end of the course. Tuition fees for three (3) credits from Long Island University will be collected at the beginning of the course.

- Open to students in grades 10-12.

***This course is offered for dual credit with Long Island University Post. Students who successfully compete two or more LIU dual credit courses while in high school may be eligible to receive an extra \$2,500 (per year) scholarship to LIU upon matriculating there.*

MATH AND FINANCIAL APPLICATIONS (#622)**1 year/1 credit**

Using a framework of personal finance, this course will sharpen students' basic math skills while introducing topics such as budgeting, credit, banking and investments. Students will engage individual and group activities intended to guide them through the financial decision-making process. Math and Financial Applications has been approved as a specialized course for academic credit. It may be used as a Business credit or as the third unit of Mathematics provided the student has passed one unit of Math and the Math Regents exam. Please see your guidance counselor if you are interested in math credit for this course.

- Recommended for all students, particularly those seeking a third unit in Math who have successfully completed Algebra I.

GUERRILLA MARKETING (#601)

½ year / ½ credit

Guerrilla Marketing is an advertising strategy that focuses on low-cost unconventional marketing tactics that yield maximum results. In this course students will learn about the four P's (Product, Production, Promotion and Price) of marketing, conventional marketing techniques and the exciting world of Guerrilla Marketing. Guerrilla Marketing relies heavily on unconventional marketing strategy, high energy and imagination. Take this course and learn how to market your product, your idea, or even yourself!



**GUERRILLA
MARKETING**

- Open to students in grades 9-12.

WALL STREET (#609)

½ year / ½ credit

An understanding of the stock and financial markets is essential in 21st century America. This course will provide a great introductory background to these markets with a focus on personal financial management by teaching students the process of investing in stocks, bonds and mutual funds. Among other authentic experiences, students will learn by competing in a stock market challenge where they get to invest in stocks and track their returns.

- Open to students in grades 10-12.

COMPUTERS



The Computer Department is committed to preparing students to compete in the worldwide job market, whether it is immediately after high school or after a college education.

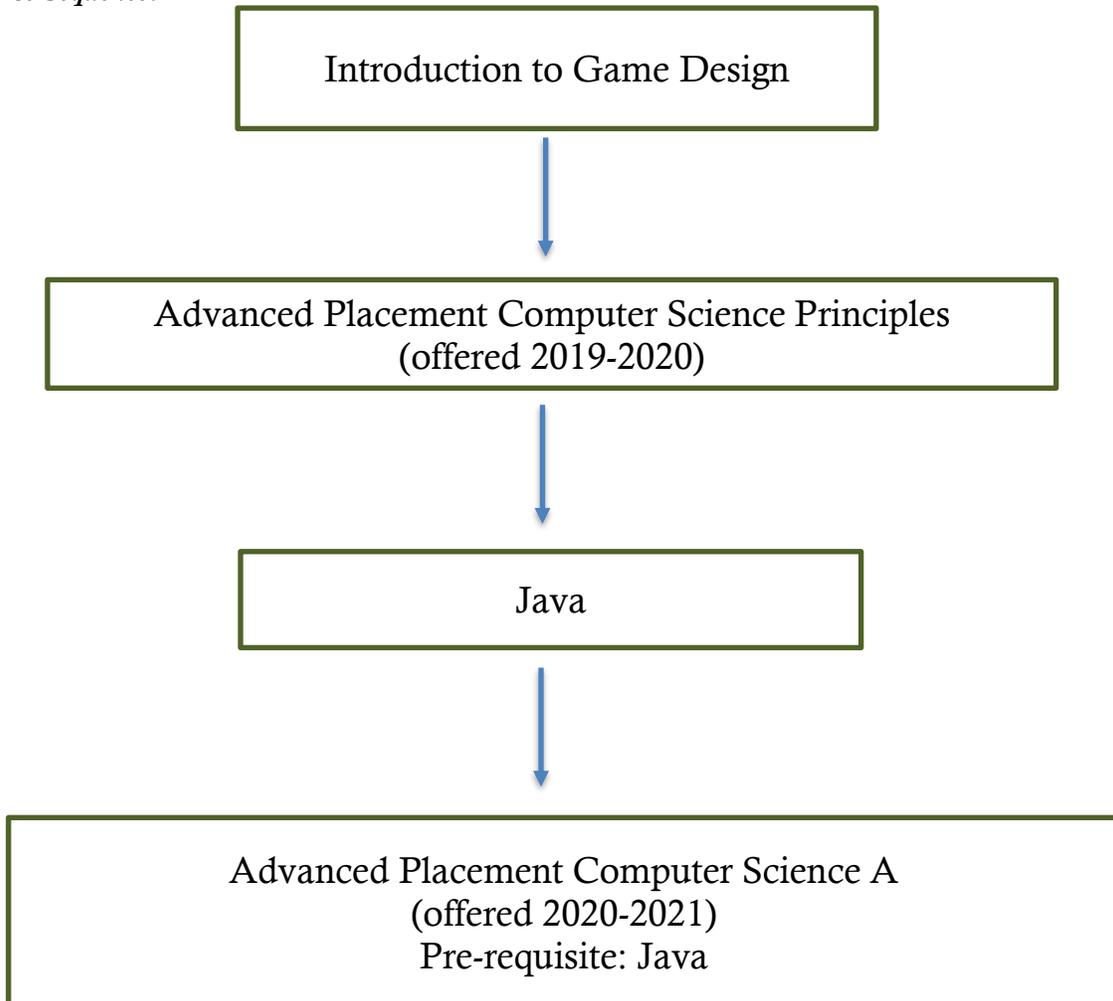
PHILOSOPHY

The State Education department standards state that students must learn how to use “thinking skills to solve a problem,” must “demonstrate the ability to plan, organize and take independent actions,” and must develop “positive interpersonal qualities through teamwork.” These standards are reflected in all of these courses.

Students will develop the techniques of logical thinking and the strategies of problem solving. The logical sequences and demand for accuracy when working with computers fosters good work habits. These lifetime skills will prepare students for any job or career they choose. These courses are open to students in grades nine through twelve.

*Computer Science courses can satisfy the required **THIRD** Math or Science course.*

Suggested Course Sequence:



INTRODUCTION TO GAME DESIGN (#625)**1 year/1 credit**

This lively course provides an integrated hands-on STEAM (Science, Technology, Engineering, Art, Math) environment in which students develop their coding skills with an anticipated course culmination of creating an interactive video game. The main programming language used is Python, but other programming languages are also discussed. Students will benefit by developing their analytical skillset and problem solving techniques that can be applied to many other courses or career choices. This exciting introductory course is designed for all students who wish to understand programming or have an interest in the computer science field.

JAVA (#627)**1 year/1 credit**

This course is designed for those students seeking to take what they have already learned about programming and learn how to apply those skills using the Java language, which is the programming standard for Computer Science, Information Technology and Engineering majors. Students reinforce their existing skills and learn Java's object-oriented approach to problem solving. This course is an excellent follow-up course for students who have taken Introduction to Game Design, and wish to program at a high level.

- Prerequisite: *Introduction to Game Design*, along with a grade of at least 80% or teacher recommendation

ADVANCED PLACEMENT COMPUTER SCIENCE PRINCIPLES (#630)**1 year/1 credit**

AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles will give students the opportunity to use technology to address real-world problems and build relevant solutions. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science.

- Prerequisite: *Algebra I, Introduction to Game Design*, along with a grade of at least 80% or teacher recommendation

ADVANCED PLACEMENT COMPUTER SCIENCE A (#629)**1 year/1 credit**

AP Computer Science A is equivalent to a first-semester, college-level course in computer science. The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design using Java language, including Java programming style, assignment and logical operators, decision-making, looping methods and arrays. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. The AP Computer Science A course curriculum is compatible with many CS1 courses in colleges and universities. Students are expected to take the College Board Advanced Placement exam in May to obtain college credit.

- Prerequisite: *Pre-Advanced Placement Computer Science* with a grade of at least 80% or teacher/guidance counselor recommendation.
- **This course will not be offered in 2019-2020, but will be offered the following year.**

ENGLISH



The English program derives its philosophy and goals from the New York State Education Department's Learning Standards for English Language Arts.

PHILOSOPHY

With the State Standards in mind, the English teachers pursue their goals of assisting students toward effective written and oral communication, enrichment in lifetime vocabulary and reading habits, appreciation of the arts, and the development of linguistic skills for college and career success. Additionally, the department's curriculum design encourages student awareness of great literature and writers through activities that direct the use of multi-leveled thinking skills and the development of literacy skills that will assist in all curricular areas. Since language is essential to all disciplines and areas of learning, the English Language Arts staff supports and practices the belief that language capability will enable students to construct their own meaning in all subject areas and fields of future endeavor.

English Course Sequences			
Grade 9	Grade 10	Grade 11	Grade 12
English 9 <i>or</i> English 9 Advanced	English 10 <i>or</i> AP Seminar	English 11 <i>or</i> English 11 Advanced Placement Language & Composition <i>or</i> English 11 Advanced Placement Language & Composition/AP Research	Two senior English half-year courses <i>or</i> English 12 Advanced Placement Literature
<i>All English electives are available to students in grades 9-12, excluding Senior English half-year courses and AP Research.</i>			

FOUNDATIONAL ENGLISH COURSES

ENGLISH 9 (#101)



1 year/1 credit

The English 9R curriculum is designed to develop a student's ability to listen, read, and write for information and understanding, literary response and expression, and critical analysis and evaluation. Students will read practical selections such as articles and essays, and other works including short stories, plays, and novels. As listeners and readers, students will analyze experiences, ideas, information and issues and then present their findings through oral and written language. Major works studied include *Oedipus*, *Romeo and Juliet*, *Of Mice and Men* and *A Raisin in the Sun*.

ENGLISH 9 ADVANCED (#100)



1 year/1 credit

In addition to the work covered in the 9R curriculum, this course provides students with the opportunity to do advanced work in reading, writing, and team projects. In addition, emphasis is placed on modern and classical literary works, writing, and independent reading. Active participation is required. This course is intended for the advanced student who enjoys reading and has a solid writing foundation.

- Students are required to complete a summer assignment.
- Prerequisite: Minimum grade of 90% in English 8 or recommendation by 8th grade English teacher.

AP SEMINAR (#145)



1 year/1 credit

AP Seminar provides sustained practice of investigating issues from multiple perspectives and cultivates student writing abilities so they can craft, communicate and defend evidence-based arguments. Students are empowered to collect and analyze information with accuracy and precision and are assessed through a team project and presentation, an individual written essay and presentation, and a written exam. Students can take AP Seminar in lieu of English 10A. This course is the first part of the AP Capstone program.

- Students are required to complete a summer assignment.
- Prerequisite: Minimum grade of 90% in *English 9 Advanced*, *Global 9 Advanced* and/or teacher/counselor recommendation.

ENGLISH 10 (#104)



1 year/1 credit

The general goals of the 10th grade Regents English program include the review and study of the mechanics of language, its composition, and the development of research skills. The student will study literature from anthologies and supplementary texts involving both fictional and non-fictional sources. Comprehension of situation, character, writer's intent, and appreciation of style are stressed. Full-length films, play recordings, and filmstrips are among the audio-visual materials used. Major works studied include *Lord of the Flies*, *Animal Farm*, *Night*, *Othello* and *All My Sons*. Although the New York State Comprehensive English Regents Examination is not required until the 11th grade, the disciplines of this test are part of the developmental objectives. Specific rhetorical essay techniques such as comparison/contrast and argumentation will be taught as prescribed by departmental examination preparation strategies. This course is intended for the Regents student.

ENGLISH 11

ADVANCED PLACEMENT LANGUAGE AND COMPOSITION (#105)



1 year/1 credit

AP Language and Composition is a college level course designed to help students become skilled readers of prose written in a variety of rhetorical contexts and to become skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness of writing. Students will prepare to take the AP Language and Composition exam in May. Students will read a variety of fiction and non-fiction pieces with a focus on American literature. Full-length literary works to be read include *The Scarlet Letter*, *The Crucible*, *The Great Gatsby*, *The Things They Carried* and *The Catcher in The Rye*. Student writing will be varied and demanding with an emphasis on synthesizing primary and secondary sources and citing them accurately using such conventions as APA and MLA. In addition to AP exam preparation, students will prepare to take the NYS English Regents and will complete a major research paper.

- Students are required to complete a summer assignment.
- Prerequisite: Minimum grade of 85% in *English 10 Advanced* or 90% in English 10 Regents and/or teacher/guidance counselor recommendation.

ENGLISH 11 (#107)**1 year/1 credit**

In English 11R, students study a wide range of literature from the United States and develop their mastery of the English language. The course also prepares students for the statewide Regents Comprehensive Examination administered in January. The course will allow students to study the various forms of American literature including the short story, novel, poetry, play, and film. Also included will be a study and review of the techniques and skills that will best serve the students on the statewide exam as well as standardized tests such as the PSAT, SAT and ACT: vocabulary, reading and listening comprehension, essay and composition writing. Major works studied include *The Crucible*, *The Great Gatsby*, *The Color of Water*, *Hamlet* and *The Things They Carried*.

ENGLISH 12**ADVANCED PLACEMENT LITERATURE AND COMPOSITION (#109)****1 year/1 credit**

This course is designed to prepare its students for the AP Literature and Composition examination. The AP English course will engage students in the careful reading and critical analysis of imaginative literature and poetry. Through the close reading of a wide variety of texts of recognized literary merit, students will deepen their understanding of the way writers use language to provide both meaning and pleasure for their readers. The course will include intensive study of representative titles from various genres and time periods. Writing will be an integral part of the course, as the AP examination assesses student writing of critical, analytical, and evaluative essays concerning literature. Major works studied include *Frankenstein*, *Wuthering Heights*, *Twelfth Night*, *The Awakening* and *Waiting for Godot*.

- Students are required to complete a summer assignment.
- Prerequisite: Minimum grade of 85% in *English 11AP* or 90% in *English 11 Regents* and/or teacher/guidance counselor recommendation.

ADVANCED PLACEMENT CAPSTONE PROGRAM

AP Capstone is an innovative program that equips students with the independent research, collaborative teamwork, and communication skills that are increasingly valued by colleges. The program is built on the foundation of two new AP courses, AP Seminar and AP Research, and is designed to complement and enhance the in-depth, discipline-specific study provided through other AP courses. The AP Capstone curriculum fosters inquiry, research, collaboration, and writing skills through the intensive investigation of topics from multiple perspectives.

Students will take AP Seminar in the 10th grade, followed by AP Research in the 11th or 12th grade (preferably 11th grade). Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing will receive the *AP Capstone Diploma*. This signifies their outstanding academic achievement and attainment of college-level academic and research skills. Alternatively, students who earn scores of 3 or higher in AP Seminar and AP Research will receive the *AP Seminar and Research Certificate* signifying their attainment of college level academic and research skills. The AP Capstone program is comprised of:

AP SEMINAR (#145)



1 year/1 credit

AP Seminar provides sustained practice of investigating issues from multiple perspectives and cultivates student writing abilities so they can craft, communicate and defend evidence-based arguments. Students are empowered to collect and analyze information with accuracy and precision and are assessed through a team project and presentation, an individual written essay and presentation, and a written exam. Students can take AP Seminar in lieu of English 10A. This course is the first part of the AP Capstone program.

- Students are required to complete a summer assignment.
- Prerequisite: Minimum grade of 90% in *English 9 Advanced*, *Global 9 Advanced* and/or teacher/counselor recommendation.

AP RESEARCH (#146)



1 year/1 credit

In AP Research, students develop the skills and discipline necessary to conduct independent research to produce and defend a scholarly academic thesis. The second course in the AP Capstone experience allows students to explore deeply an academic topic, problem, or issue of individual interest and through this inquiry, students design, plan, and conduct a year-long mentored, research-based investigation. The course culminates in an academic thesis paper of approximately 5,000 words and a presentation, performance, or exhibition with an oral defense. Students will take AP Research as an English elective preferably in 11th grade (offered in conjunction with AP Language and Composition) or in 12th grade (in conjunction with AP Literature and Composition).

- Students are required to complete a summer assignment.
- Prerequisite: Successful completion of AP Seminar.

ENGLISH 11 ADVANCED PLACEMENT LANGUAGE AND COMPOSITION (#105)/



AP CAPSTONE RESEARCH (#146)

1 year/2 credits

This course is for 11th grade students who have successfully completed AP Capstone Seminar. The elements of AP Language and Composition as well as AP Capstone Research will be combined, with an emphasis on enhancing the core skills of argumentation, prose analysis, and research methods. A variety of fiction and non-fiction texts will be studied, with a focus on American writers. Students will also conduct independent research to produce and defend a scholarly academic thesis. Students will take the NYS English Regents as well as the AP English Language and Composition Exam, and will write an academic thesis paper of approximately 5000 words as well as prepare a presentation, performance or exhibition with an oral defense. Students will have the opportunity to complete 2 AP credits through this class.

- Students are required to complete a summer assignment.
- Prerequisite: Successful completion of AP Seminar in 10th grade.

SENIOR ENGLISH HALF-YEAR COURSES

Students must take 2 half-year senior English courses to fulfill the 12th grade English requirement necessary for graduation (if they are not taking English 12AP). Students must take one senior half-year course in the fall and one in the spring. Both courses must be successfully passed to satisfy the English graduation requirement. Seniors who are enrolled in English 12AP Literature and Composition can take a senior English half-year course for elective credit.

HORROR, SCIENCE FICTION, & DYSTOPIAN LITERATURE (#140) **½ year / ½ credit**

This literature-based course is designed to explore the impact of horror and suspense on society as well as the emergence of science fiction and dystopian literature as a reaction to our changing world. Through literary analysis and written assignments, students will develop critical reading and writing skills necessary for college readiness. Legends, myths, and the macabre will be examined and scrutinized by examining and analyzing the works of Edgar Allan Poe, Stephen King, and Bram Stoker. The emergence of science fiction will be looked at through the lens of Mary Shelley and Ray Bradbury as well as more current works such as *The Hunger Games*. The class is literature-based, although we will also analyze and compare scenes from movies based upon the literature examined.

THE SPORTS HERO IN LITERATURE AND NONFICTION (#141) **½ year / ½ credit**

This course will explore how sports has taken hold of the American imagination over the last 100 years and how it has impacted literature and culture. In particular, we will look at the sports hero in writing and compare this to other literary heroes. We will also examine the ethical issues that have impacted sports and sports figures. Although the course will be literature based, we will examine relevant scenes from sports movies and media clips that are relevant to our content.

NEW YORK CITY IN LITERATURE (#142) **½ year / ½ credit**

From the earliest years of the city's history, artists, writers and musicians have endeavored to capture its particular magic. In this course, we will choose from among a number of literary works that treat the city not only as a place, but also as the repository of the dreams and desires of those who have come seeking to become part of the excitement, the hope, and indeed the infinite possibilities that the city seems to offer. We hope to better understand how New York City has come to serve as a metaphor for artist and writers. Our readings will include fiction, poetry, essays and novels from American writers.

SOCIAL MEDIA & NEWS LITERACY (#143) **½ year / ½ credit**

Social media has entered a new age of relevance, making it of critical interest to communicators of all kinds. This course will help students better understand and use social media by focusing on how social networks, conversational media, and associated digital media tools and platforms can be used. The impact of social media on journalism will also be examined. Emphasis will be placed on becoming savvy consumers of media and information, able to distinguish credible sources from fake news sites, distinguish between fact and rumor, news and advertising, news and opinion and bias and fairness. Although this is a media-based course, fiction, and non-fiction readings as well as critical analysis and writing will be utilized as well. Presentation based assessments will be utilized as well.

ENGLISH ELECTIVE COURSES

Electives are available to students in 9th, 10th, 11th and 12th grade, unless otherwise stated, who have successfully passed last year's English course. Electives cannot be substituted for the core English requirements.

LITERATURE IN FILM (#114)

½ year/½ credit

This course will examine the relationship between fiction and non-fiction texts and their film adaptations. Students will study film adaptations to develop a deeper understanding of literary texts as well as historical events and figures. In some cases, multiple film versions will be viewed and the differing interpretations will be analyzed. Students will be required to read about, write about, do research on, and view films.

CREATIVE WRITING FOR NEW MEDIA (#135)



½ year/½ credit

This class is for the student who has something to say and the desire to say it - creatively. In this class students will develop their individual voice through the craft of writing. Students will consider and write for a real audience and have opportunities to publish written work online. Types of pieces students may write include poems, songs, short stories, screenplays, blogs, editorials, memes, etc.

THEATER AND ACTING FUNDAMENTALS (#102)

½ year/½ credit

This course provides students with opportunities to develop an appreciation and respect for the craft of acting as well as for the collaborative effort of all involved in producing works of theater/ film. Through the use of theater games, improvisation and scene work, students will work collaboratively to develop their acting abilities and improve communication skills. To foster a more comprehensive appreciation of what goes into a theatrical performance, students will attend at least one Broadway play and learn about all the many components that go into a theatrical performance such as set design, lighting and sound.

READERS' & WRITERS' WORKSHOP

Alternating Days/P or F Grade

(195/196) GRADES 9/10

(197/198) GRADES 11/12

This course will enhance the English classroom experience for students by pre-teaching and reinforcing the skills necessary for students to succeed in their English Regents classes. Emphasis will be placed on reading comprehension skills and strategies, vocabulary acquisition and mastery, and expository and argumentative writing. Research techniques and presentational skills will also be addressed.

HEALTH



Courses offered through the Health Department provide students with the necessary knowledge and skills to maintain personal health.

PHILOSOPHY

Students explore human growth and development and study useful ways to promote health and prevent disease. An emphasis is placed upon developing personal decision-making skills that supports a healthy and active life style. The Health Department's overall philosophy is "Wellness Through Prevention." This philosophy is the basis for all units of study.

HEALTH EDUCATION 9/10 (#920) 11/12 (#921)

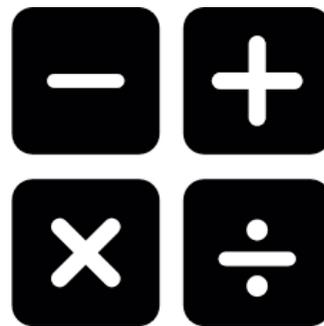
½ year/½ credit

The health education course at Seaford High School is developed based on the New York State Health Education Standards and New York State Health Education Guidance Document. The goal of this course is to provide students with the opportunities to learn authentic skills that are essential for personal and community health and safety. Through individual research, collaborative projects, and the use of technology, students will explore significant areas of health and wellness to encourage reflection of personal choices.

Some of the major areas of study include nutrition, physical activity, goal setting, stress management, bullying prevention, decision making, substance abuse prevention, unintentional injury prevention, sexual health, and communication. Students will analyze these topics and understand how to access reliable information in the present and future.

Successful completion of this course is a graduation requirement for all students.

MATHEMATICS

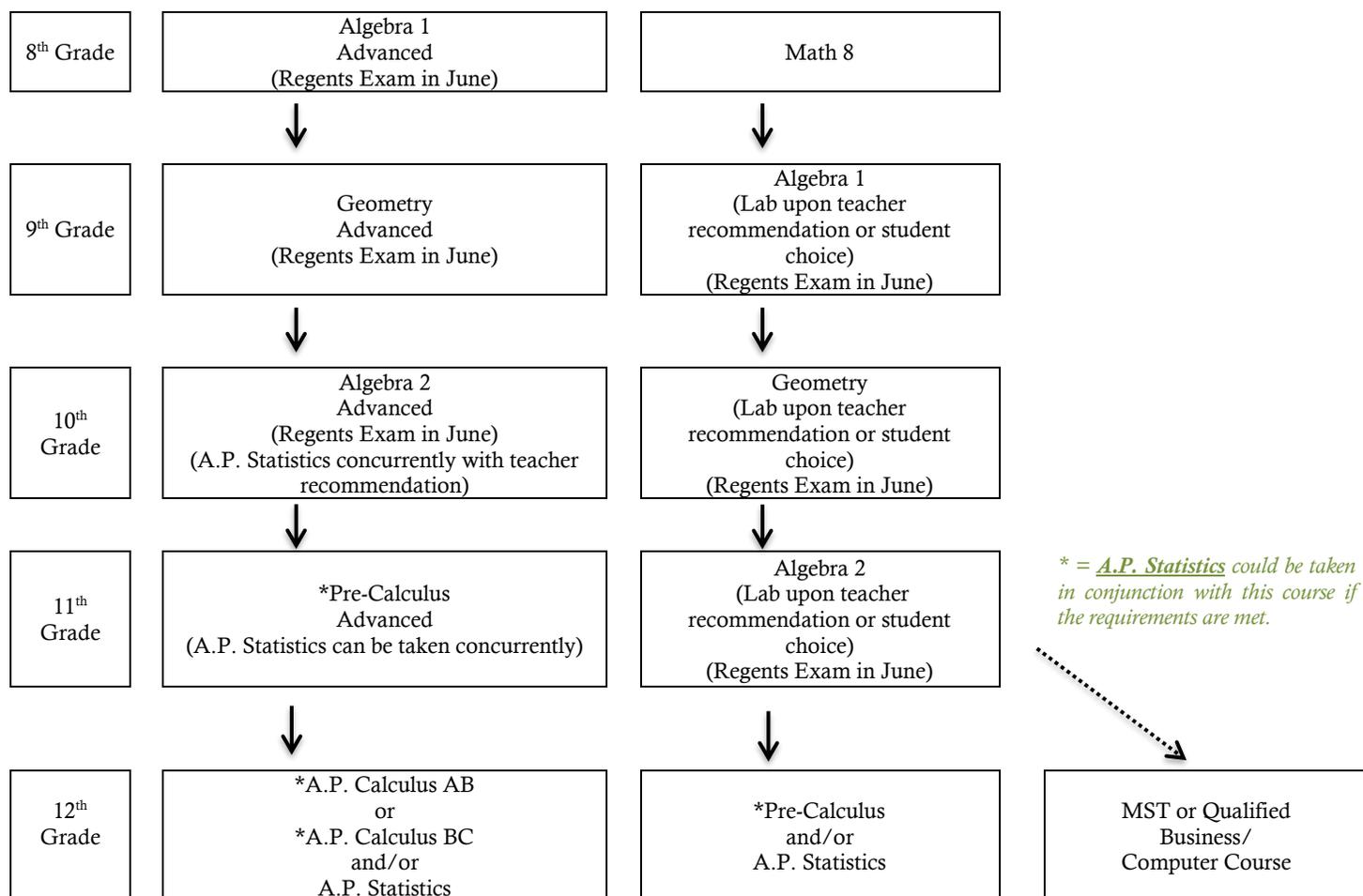


The Mathematics Department's highest priority is to enable all their students to achieve their individual mathematical potentials.

PHILOSOPHY

In accordance with the state standards, students taking mathematics courses at Seaford High School will encounter courses and lessons designed around the principles of focus, coherence, and rigor, while engaged in a Regents-level program. These principles require that, at each grade level, students and teachers focus their time and energy on fewer topics, in order to form deeper understandings, gain greater skill and fluency, and more robustly apply what is learned. Coherence in the curriculum means progressions that span grade levels to build students' understanding of ever more sophisticated mathematical concepts and applications. Rigor means a combination of fluency exercises, chains of reasoning, abstract activities, and contextual activities throughout the module. Students will gain better understanding of number sense and operations, algebra, geometry, trigonometry, measurement, and statistics and probability. Students taking mathematics courses will employ the appropriate technologies for their mathematics level. At various times, they will work cooperatively to solve more involved problems or to discover previously unfamiliar mathematical concepts.

Possible Math Scheduling Sequences



ADVANCED PLACEMENT CALCULUS (AB) (#333)**1 year/1 credit**

This senior-level course is open to students who have successfully completed Pre-Calculus, wish to have a college level learning experience and earn Advanced Placement credit for college. This course develops students' understanding of the concepts of calculus and provides experience with its methods and applications. This course emphasizes a multi-representational approach to calculus with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally. Students will be presented with the meaning of the derivative in terms of rate of change and local linear approximation and also how to use derivatives to solve a variety of problems. The meaning of the definite integral, both as a limit of Riemann sums and as the net accumulation of a rate of change and the use of integrals to solve a variety of problems will be discussed. Students are encouraged to take the Advanced Placement Calculus (AB) examination in May. Those who successfully complete this examination could receive up to four college credits.

- Prerequisite: Successful completion of *Pre-Calculus Advanced* or *Pre-Calculus Regents*.
- Expenses: Students are required to obtain a TI-84 or Ti-Nspire graphing calculator.

ADVANCED PLACEMENT CALCULUS (BC) (#334)**1 year/1 credit**

This senior level course is open to students who have successfully completed Pre-Calculus Advanced, are seriously considering a career that uses mathematics, and wish to have a college level learning experience. It covers all of the topics and concepts from AP Calculus (AB) and also the following: parametric, polar, and vector functions, Euler's Method, l'Hopital's Rule, integration by parts and simple partial fractions, improper integrals, logistic differential equations, infinite series, including their convergence and divergence, Taylor series, Maclaurin series, and the Lagrange error bound for Taylor polynomials. Students are encouraged to take the Advanced Placement (BC) examination in May. Students who successfully complete this examination could receive up to eight college credits.

- Pre-requisite: Successful completion of *Pre-Calculus Advanced* and/or teacher recommendation.
- Expenses: Students are required to obtain a TI-84 or Ti-Nspire graphing calculator.

ADVANCED PLACEMENT STATISTICS (#332)**1 year/1 credit**

This course is designed for the motivated, college-bound student whose planned course of study requires statistics. This course is built around four main topics: exploring data, planning a study, probability as it relates to distributions of data, and inferential reasoning. This course will blend the rigor, calculations and deductive thinking of mathematics with the real-world examples and problems of the social sciences, the decision-making needs of business and medicine, and the laboratory method and experimental procedures of the natural sciences. Students will learn how to display data and make valid observations about the data. Students will be able to design a study, collect the information, analyze their data and disseminate their results. Students will learn how to do statistical procedures both on a graphing calculator and on a computer with a statistical software package. Students are encouraged to take the Advanced Placement Statistics examination in May. Students who successfully complete this examination could receive up to three college credits.

- Prerequisites: Students must pass both the *Algebra 2* Regents Examination and the *Algebra 2* Course with at least an 80% or have teacher recommendation
- Expenses: Students are required to obtain a TI-84 or Ti-Nspire graphing calculator.

PRE-CALCULUS (#330)**1 year/1 credit**

This is a course designed for students who wish to extend their mathematical background beyond the topics needed for the Algebra 2 Regents Examination. The course progresses from the study of natural numbers through the real numbers and attempts to show the unified structure of mathematics. Such topics as functions, radicals, sequences, series, synthetic division, the factor and remainder theorems, the Fundamental Theorem of Algebra, complex numbers, conic sections, polar equations and their graphs, and matrices are studied, as well as topics outlined in New York State's Common Core pre-calculus curriculum. This course may include an introduction to limits and the basics of differential Calculus. A graphing calculator will be used to introduce and reinforce many of the topics in the course. The course provides an excellent background for anyone who plans to take mathematics in college.

- Prerequisite: Successful completion of both the *Algebra 2* course and Regents examination.
- Expenses: Students will need to obtain a graphing calculator.

PRE-CALCULUS ADVANCED (#331)



1 year/1 credit

This course is a one-year pre-calculus course that includes the study of relations and elementary functions, the real and complex number systems, sequences, series, determinants, matrices, linear equations, inequalities, systems, polynomial functions, higher order equations, rational functions and inequalities, theory of equations, and inverse, exponential, logarithmic, trigonometric, inverse trigonometric and step functions, as well as topics outlined in New York State's Common Core pre-calculus curriculum. This course also includes a continued study of functions and general graphing techniques, methods of solving limit problems, both graphical and algebraic, continuity, an introduction to analytic geometry including equations and graphs of lines, curves, and conics in polar and rectangular forms, synthetic division, parametric equations, translations and other transformations on the coordinate axes. This course includes an introduction to matrices and various methods of solving systems of linear equations, including Cramer's Method and Gauss-Jordan row reduction. This course includes applications of concepts, including topics such as future value and present value of annuities. The course may include an introduction to the concepts of differential Calculus. A graphing calculator will be used to introduce and reinforce many of the topics in the course. This course is designed for the advanced mathematics student who wishes to take one or more of the mathematics options or Advanced Placement course in the senior year. Students are encouraged to take the SAT Level 2 Subject Test examination in June.

- Prerequisite: Successful completion of both the *Algebra 2* course and Regents examination and teacher recommendation.
- Expenses: Students will need to obtain a TI-84 or Ti-Nspire graphing calculator.

ALGEBRA 1 (#301)



1 year/1 credit

As stated by the New York Education Department, *Algebra 1* is the first mathematics course in the high school. The algebra course set forth here is not the algebra of 30 years ago. The focal point of this course is the algebra content strand. Algebra provides tools and ways of thinking that are necessary for solving problems in a wide variety of disciplines, such as science, business, social sciences, fine arts, and technology. This course will assist students in developing skills and processes to be applied using a variety of techniques to successfully solve problems in a variety of settings. Problem situations may result in all types of linear equations in one variable, quadratic functions with integral coefficients and roots as well as absolute value and exponential functions. Coordinate geometry will be integrated into the investigation of these functions allowing students to make connections between their analytical and geometrical representations. Problem situations resulting in systems of equations will also be presented. Alternative solution methods should be given equal value within the strategies used for problem solving. For example, a matrix solution to a system of equations is just as valid as a graphical solution or an algebraic algorithm such as elimination. Measurement within a problem-solving context will include calculating rates using appropriate units and converting within measurement systems. Data analysis including measures of central tendency and visual representations of data will be studied. An understanding of correlation and causation will be developed and reasonable lines of best fit will be used to make predictions. Students will solve problem situations requiring right triangle trigonometry. Elementary probability theory will be used to determine the probability of events including independent, dependent and mutually exclusive events. **Passing the NYS Algebra 1 Regents Examination is a graduation requirement.**

- Prerequisite: Successful completion of *Math 8*.
- Expenses: Students will need to obtain a TI-84 graphing calculator.

ALGEBRA 1 LAB (#302)

Alternating Days/P or F Grade

This course, taken in conjunction with Algebra 1, offers students the opportunity to improve their understanding of the Mathematics necessary for success on the Algebra 1 Regents Examination. Each student's particular needs is assessed regarding computation skills, algebra, or geometry. Instruction is provided in small groups with students working from, but not limited to, the textbook, various manipulative or hands-on activities, and technological tools. Classes meet every other day for a full year. This course is encouraged for all students taking Algebra 1.

- Co-requisite: *Algebra 1*.

GEOMETRY ADVANCED (#312)



1 year/1 credit

As stated by the New York Education Department, *Geometry* is intended to be the second mathematics course in the high school. There is no other school mathematics course that better offers students the opportunity to act as mathematicians. Within this course, students will have the opportunity to make conjectures about geometric situations and prove in a variety of ways, both formal and informal, that their conclusion follows logically from their hypothesis. This course is meant to employ an integrated approach to the study of geometric relationships. Integrating synthetic, transformational, and coordinate approaches to geometry, students will justify geometric relationships and properties of geometric figures. Congruence and similarity of triangles will be established using appropriate theorems. Transformations including rotations, reflections, translations, and glide reflections and coordinate geometry will be used to establish and verify geometric relationships, including congruence of two figures as transformations of each other. A major emphasis of this course is to allow students to investigate geometric situations. Properties of triangles, quadrilaterals, and circles should receive particular attention. It is intended that students will use the traditional tools of compass and straightedge as well as dynamic geometry software that models these tools more efficiently and accurately, to assist in these investigations. Geometry is meant to lead students to an understanding that reasoning and proof are fundamental aspects of mathematics and something that sets it apart from the other sciences. As this is the advanced Geometry course, students will explore these geometrical relationships at greater depth than in the Regents-level Geometry course. This course culminates in the Geometry Regents Examination and is intended for the advanced student.

- Prerequisites: *Algebra Advanced (Math 8A)* from the middle school or teacher recommendation.
- Expenses: Students will need to obtain a TI-84 graphing calculator.

GEOMETRY LAB (#311)

Alternating Days/P or F Grade

This course, taken in conjunction with Geometry, offers students the opportunity to improve their understanding of Geometry. Each student's particular needs are assessed regarding their understanding of geometry. Instruction is provided in small groups with students working from, but not limited to, the textbook, various manipulative and/or hands-on activities, and technological tools. Classes meet every other day for a full year. This course is designed for the student who requires additional time to learn the material presented in Geometry. Note: Students who are determined to be in need of academic intervention may be required to take advantage of the opportunities presented in this course. This course may be taken as an elective.

- Co-requisite: *Geometry*.

GEOMETRY (#310)



1 year/1 credit

As stated by the New York Education Department, *Geometry* is intended to be the second mathematics course in the high school. There is no other school mathematics course that better offers students the opportunity to act as mathematicians. Within this course, students will have the opportunity to make conjectures about geometric situations and prove in a variety of ways, both formal and informal, that their conclusion follows logically from their hypothesis. This course is meant to employ an integrated approach to the study of geometric relationships. Integrating synthetic, transformational, and coordinate approaches to geometry, students will justify geometric relationships and properties of geometric figures. Congruence and similarity of triangles will be established using appropriate theorems. Transformations including rotations, reflections, translations, and glide reflections and coordinate geometry will be used to establish and verify geometric relationships, including congruence of two figures as transformations of each other. A major emphasis of this course is to allow students to investigate geometric situations. Properties of triangles, quadrilaterals, and circles should receive particular attention. It is intended that students will use the traditional tools of compass and straightedge as well as dynamic geometry software that models these tools more efficiently and accurately, to assist in these investigations. Geometry is meant to lead students to an understanding that reasoning and proof are fundamental aspects of mathematics and something that sets it apart from the other sciences. This course culminates in the Geometry Regents Examination and is intended for the Regents level student. Passing the NYS Geometry Regents Examination is one of the requirements for an Advanced Regents diploma.

- Prerequisite: Successful completion of *Algebra 1*.
- Expenses: Students will need to obtain a TI-84 graphing calculator.

ALGEBRA (#320)



1 year/1 credit

As stated by the New York Education Department, *Algebra 2* is intended to be the third mathematics course in the high school. It is expected that students will identify and justify mathematical relationships, formally and informally. The intent of both the process and content performance indicators is to provide a variety of ways for students to acquire and demonstrate mathematical reasoning ability when solving problems. Students will learn fractional and negative exponentiation, perform operations with radical and imaginary expressions including rationalizing denominators with radical or imaginary expressions, know and apply sigma notation, solve absolute value equations and inequalities, solve quadratic inequalities, evaluate logarithmic expressions, work with arithmetic and geometric sequences, explore functions and relations, determine if a function is invertible and determine the inverse function, perform transformations of functions in the plane, explore the concepts of domain and range, become proficient with exponential and logarithmic functions and expressions, scatter plots and linear, power, logarithmic and exponential regression and probability, including variance and decision making, permutations, combinations, binomial probabilities, empirical probabilities and using the normal distribution to approximate binomial probabilities. This course culminates in the Algebra 2 Regents Examination and is intended for the Regents level student. **Passing the NYS Algebra 2 Regents Examination is one of the requirements for an Advanced Regents diploma.**

- Prerequisite: Successful completion of *Geometry*.
- Expenses: Students will need to obtain a TI-84 graphing calculator.

ALGEBRA 2 LAB (#321)

Alternating Days/P or F Grade

This course, taken in conjunction with Algebra 2, offers students the opportunity to improve their understanding of Algebra 2. Each student's particular needs are assessed regarding computation skills, algebra or trigonometry. Instruction is provided in small groups with students working from, but not limited to, the textbook, various manipulative and hands-on activities, and technological tools. Classes meet every other day for a full year. This course is designed for the student who requires additional time to learn the material presented in Algebra 2. Note: Students who are determined to be in need of academic intervention services may be required to take advantage of the opportunities presented in this course. This course may be taken as an elective and is strongly encouraged for students taking Algebra 2.

- Co-requisite: *Algebra 2*.

ALGEBRA 2 ADVANCED (#322)



1 year/1 credit

As stated by the New York Education Department, *Algebra 2* is intended to be the third mathematics course in the high school. It is expected that students will identify and justify mathematical relationships, formally and informally. The intent of both the process and content performance indicators is to provide a variety of ways for students to acquire and demonstrate mathematical reasoning ability when solving problems. Students will learn fractional and negative exponentiation, perform operations with radical and imaginary expressions including rationalizing denominators with radical or imaginary expressions, know and apply sigma notation, solve absolute value equations and inequalities, solve quadratic inequalities, evaluate logarithmic expressions, work with arithmetic and geometric sequences, explore functions and relations, determine if a function is invertible and determine the inverse function, perform transformations of functions in the plane, explore the concepts of domain and range, become proficient with exponential and logarithmic functions and expressions, scatter plots and linear, power, logarithmic and exponential regression and probability, including variance and decision making, permutations, combinations, binomial probabilities, empirical probabilities and using the normal distribution to approximate binomial probabilities. This course culminates in the Algebra 2 Regents Examination and is intended for the Regents level student. **Passing the NYS Algebra 2 Regents Examination is one of the requirements for an Advanced Regents diploma.**

- Prerequisite: Successful completion of *Geometry Advanced* or teacher recommendation.
- Expenses: Students will need to obtain a TI-84 graphing calculator.

MUSIC



The Seaford High School Music Department encourages students to discover and develop their musical talent.

PHILOSOPHY

The Seaford High School Music Department encourages students to discover and develop musical talent. Students actively engage in performance in the arts, including concerts, parades and solo festivals. Throughout the year, students will be knowledgeable about and make use of the materials and resources available for participation in the arts. Traditional musical instruments and electronic keyboards with computers will be used for composition. The performance opportunities will encourage students to analyze and respond critically to a variety of works of music, with an understanding of the basic elements of melody, rhythm, harmony, dynamics, form, and timbre. The arts shape the diverse cultures of past and present society and this relationship will be explored using musical repertoire.

CONCERT (#941) & SYMPHONIC BAND (#940)

1 year/1 credit

There are two concert bands in the band program at Seaford High School. Each course emphasizes the reading and development of contemporary as well as the standard band literature. Special emphasis is placed upon balance, blend, intonation, articulation, technique and interpretation as well as basic music theory and sight-reading. In addition, students are encouraged to participate in the NYSSMA solo festival. There are two school concerts a year as well as touring. Other performance opportunities include various award ceremonies, graduation, and various festivals and performances out of district. Students must attend all public performances. Both ensembles will participate in the NYSSMA Majors festival. As a course requirement, students are legally excused from one class per week on a rotating basis for lessons. The periods of the day vary as per faculty schedule.

- **Concert Band:** Based on successful completion of middle school band, admission by audition or teacher recommendation, all freshmen are placed in this band. New students would need to audition for this ensemble.
- **Symphonic Band:** This band consists of selected instrumentalists from grades 10 – 12. An audition and a music teacher's recommendation are necessary for this ensemble.

MARCHING BAND (#947)

1 year/¼ credit

Marching Band is a performance group that consists of woodwinds, brass, percussion, and color guard. The Marching Band begins with a pre-camp rehearsal the Wednesday before Band Camp, and a 5-day Band Camp during the first full week of August, culminating in a parent performance. During the school year, rehearsals take place once-a-week at night on the home football field. Performances include, but are not limited to, halftime shows at four home football games, participation in the Newsday Marching Band Festival, 9/11 ceremony, Homecoming Parade, St. Patrick's Day Parade in NYC, Little League Parade, and Memorial Day Parade. Color guard is the only auditioned section of the group. Auditions for the Color Guard take place in May of the previous school year. No previous experience is required to join the Marching Band. If a student is enrolled in this course for four years and participates in an accredited performing ensemble, s(he) will receive a 5-credit sequence in Music. Requirements to receive credit in this course follow the set school attendance policy for all accredited courses. All performances will be counted as graded assignments.

TREBLE CHOIR – VOCAL MUSIC (#930)**1 year/1 credit**

Treble Choir - Vocal Music is a class open to students in grades 9th, 10th, 11th and 12th who are enthusiastic about singing and whose voice range is soprano, alto, or unchanged. Students will learn the elements of vocal techniques and music reading, and sing a wide variety of selections representing different styles, cultures, and periods. In addition to regular class meetings, there will also be one vocal techniques class given each week that will meet on a rotating basis. Performances for school, community and music festivals are part of the class instruction. This course will help a student prepare for levels V and VI NYSSMA. Additional home study is required. Grading is based on homework, musical development in rehearsals, vocal exams, performances, and lessons. Some 11th and 12th grade students in this ensemble will also be eligible to audition for the Seaford Chamber Choir.

- Prerequisite: *Middle School Choir* or audition for placement.
- This course fulfills the one-year Fine Arts requirement.

CHAMBER CHOIR – VOCAL MUSIC (#935)**1 year/1 credit**

This performing ensemble will strive for the highest musical standards of excellence. The course is designed to further develop principles of vocal production through choral singing. Many important choral works are studied and numerous performances are given throughout the year. The concert schedule also includes singing at hospitals, tree lightings, homes for the elderly, libraries, and other community centers in addition to those major performances given in the high school auditorium; also exchange concerts with other high school choirs, participation in choral festivals, choir tours, and other special events. In addition to regular class meetings, there will also be one vocal techniques class given each week that will meet on a rotating basis. This course will help a student prepare for levels V and VI NYSSMA. Additional home study is required. Grading is based on homework, musical development in rehearsals, vocal exams, performances, and lessons.

- Prerequisite: Enrollment in this course is dependent upon program needs and may be subject to audition.
- This course fulfills the one-year Fine Arts requirement.

MUSIC THEORY I (#945)**1 year/1 credit**

This course is designed to strengthen existing musical knowledge and introduce new concepts and techniques. The emphasis of the course will be on gaining a thorough working knowledge of contemporary music theory, including notation, dictation, and composition. The goal is to broaden students' understanding of the creation and implementation of the building blocks of music.

AP MUSIC THEORY II (#946)**1 year/1 credit**

This course is designed to be a continuation of Music Theory I. This course will build upon the concepts and techniques studied in Music Theory I and apply it to advanced composition and pedagogy. The class will meet at the same time as Theory I, combining class instruction and independent study.

- Prerequisites: Successful completion of *Music Theory I* and/or teacher recommendation.

PHYSICAL EDUCATION



The Physical Education Department strives to meet the learning standards developed by the State Education Department.

PHILOSOPHY

The Physical Education Department strives to meet the Learning Standards developed by the State Education Department. These standards include new initiatives with regard to assessment for Physical Education. All activities in grades 9-12 place a particular emphasis on attaining and maintaining physical fitness. Also, students will be made aware of community resources available in the area of fitness and wellness. Lifetime sports, co-ed activities, aerobics, individual and team activities are components of the physical education curriculum. Specific activities include: soccer, football and volleyball.

ADAPTIVE PHYSICAL EDUCATION (#905, #906)

Alternating days/½ year/¼ credit

An Adaptive Physical Educational program will be offered to those students who are unable to participate in our regular physical education program.

PHYSICAL EDUCATION (9&10, 11&12) (#926, #927, #928, #929)

Alternating days/½ year/¼ credit

Physical Education at the high school level provides each student with the experience of building upon and expanding experiences gained at the lower grade levels, including the development of the following in a safe, yet challenging environment:

- physical fitness (cardiovascular, flexibility, strength, power and endurance)
- communication
- cooperation
- initiative
- leadership
- trust
- respect
- various lifetime, leisure time and recreational sports skills

The activities in grades 9–12 include physical fitness, which is stressed in all activities, soccer, pickle ball, circus arts, football, volleyball, badminton, aerobics, softball, weight training, ultimate Frisbee, Presidential Physical Fitness, basketball, team handball, jogging and lifetime sports.

Students are introduced to new skills and practice these skills in drill and game situations. They are then introduced to team play, sport strategies and tournament play. It is the objective of these classes to encourage all students to develop sound ideas about their own physical development upon leaving high school, and encourage them to make proper decisions concerning their own fitness in the future.

SCIENCE



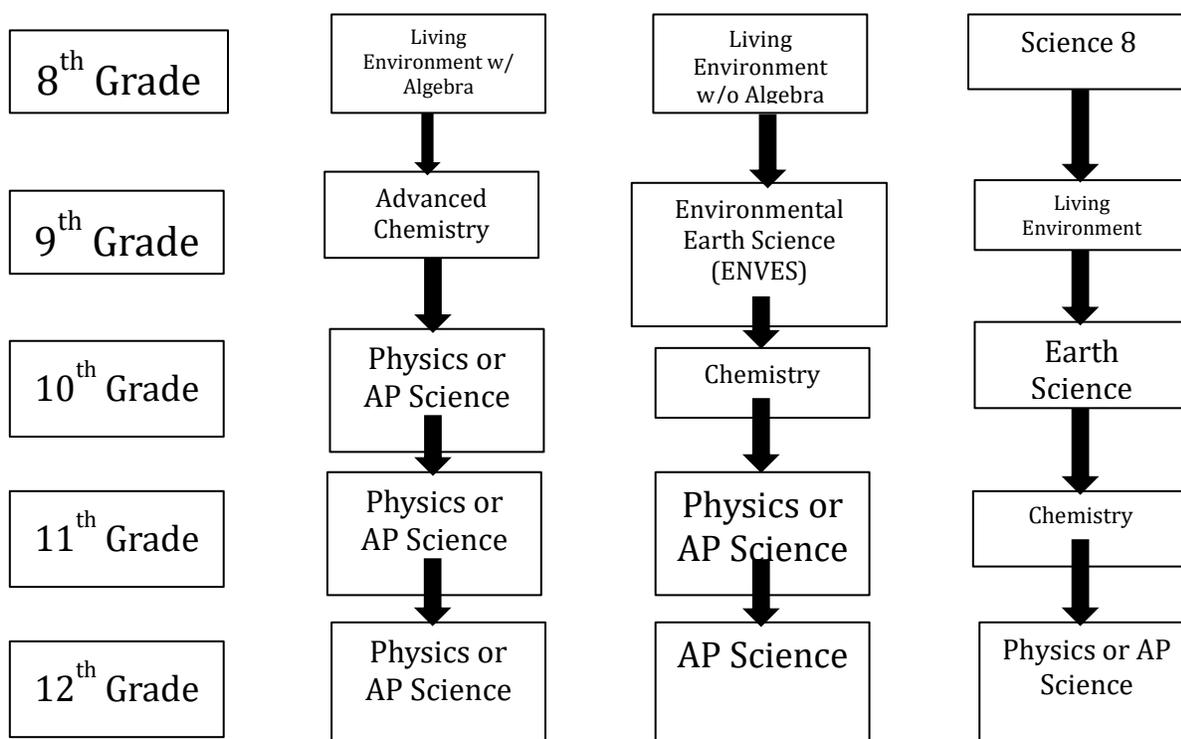
The science department offers a curriculum that implements the national and state standards for science education, builds on the natural curiosity of our students and directs it towards developing scientifically literate and responsible young adults.

PHILOSOPHY

From the different perspectives of each science discipline, our students will learn about science's contributions to our understanding of the natural world, and will also develop an awareness of the inherent interconnectedness of these disciplines. On a practical level, our courses seek to engender the concepts, factual knowledge, critical thinking skills, lab skills, and science principles necessary to equip our students for success in the modern world of technology. Our curriculum also seeks to impart the scientific principles necessary for the students to, as responsible members of society, form sound and objective opinions regarding the many science based issues, and to consider the consequences of technological developments as they may impact on the physical and living environment.

SCIENCE COURSE SEQUENCE

All students must complete 3 credits in science at the high school. Students are required to take a minimum of 2 Regents-level courses. These courses have a 1200-minute laboratory requirement and require that students take the Regents examination in June. At least one science from the physical setting and one from the living environment are required. Students enrolled in Advanced Science classes are expected to maintain a minimum class average of 85. Failing to maintain this average will result in a level change to the respective Regents-level class.



FOUNDATIONAL SCIENCE COURSES

LIVING ENVIRONMENT/BIOLOGY (#401/401L)



1 year/1 credit

This course is available to and recommended for all ninth-grade Regents level students. This course acquaints students with the diversity of life in the world around them, and provides a basic understanding of the fundamental principles of Biology. Areas of study include Unity and Diversity Among Living Things, Maintenance in Living Things, Human Physiology, Reproduction and Development, Transmission of Traits from Generation to Generation, Evolution, and Ecology. Laboratory work is a major part of the course. Successful completion of laboratory assignments is required for admission to the Regents examination at the end of the course.

PHYSICAL SETTING/EARTH SCIENCE (#408/408L)



1 year/1 credit

Earth Science is an interdisciplinary course where the students experiment with, and learn about, the physical world around them through inquiry-centered lessons and laboratory investigations. The topics of Astronomy, Geology, Meteorology, Paleontology, and Oceanography are strongly interwoven throughout the course. The course will emphasize reading comprehension and critical thinking. Laboratory experiences are an important part of the course, and basic competency in mathematics including solving of equations and graphing are necessary. Successful completion of laboratory assignments is required for admission to the Regents examination at the end of the course.

- Co-requisite: *Algebra 1*.

ENVIRONMENTAL SCIENCE – EARTH SCIENCE (“ENVES”) (#421/421L)

1 year/1 credit

In this advanced-level course, students will follow the Earth Science Regents curriculum that includes current environmental topics, including those that face Long Islanders. The course stresses the understanding and application of concepts through the collection and analysis of data from laboratory investigations. In addition to the traditional focus on Earth Science content, astronomy, geology, and meteorology, there will be several units of study on environmental issues. The additional topics include: forms of pollution, population growth, the use of natural resources, genetics, evolution, biochemistry, and ecology. Successful completion of laboratory assignments is required for admission to the Earth Science Regents Exam at the end of this course.

- Prerequisite: *Living Environment*

PHYSICAL SETTING/CHEMISTRY (#405/405L)



1 year/1 credit

This course presents a modern view of the fundamental concepts of chemistry, and includes the following topics: Matter and Energy, Atomic Structure, Bonding, the Periodic Table, the Mathematics of Chemistry, Kinetics and Equilibrium, Acids and Bases, Redox and Electrochemistry, Organic Chemistry, Applications of Chemical Principles, and Nuclear Chemistry. Laboratory work is a major part of the course, and is utilized to enhance and reinforce concepts developed in class. Successful completion of laboratory assignments is required for admission to the Physical Setting/Chemistry Regents Exam at the end of this course.

- Prerequisite: Teacher/guidance counselor recommendation.

PHYSICAL SETTING/CHEMISTRY ADVANCED (#404/404L)



1 year/1 credit

This course is designed for the student whose math and science ability is significantly above average. Physical Setting Chemistry (Advanced) is a more challenging chemistry course, which explores the core chemistry curriculum in greater depth. Students will be prepared to take the SAT Subject Test in Chemistry by the end of this course. Successful completion of laboratory assignments is required for admission to the Physical Setting/Chemistry Regents Exam at the end of this course.

- Prerequisite: *Algebra* with an 85 average or above, and passed *Earth Science* or *Living Environment* and/or teacher or guidance counselor recommendation.

PHYSICAL SETTING/PHYSICS (#411/411L)



1 year/1 credit

Physics is a description of scientific phenomena in the physical world in terms of two fundamental concepts, matter and energy. Matter is studied in terms of the development of mechanics. Energy is studied in terms of heat, wave motion, electricity, and magnetism. The interaction between matter and energy leads to concluding topics on atomic and nuclear physics, and an introduction to quantum theory. Laboratory work involves gathering and analyzing data pertinent to these topics, using instruments and techniques developed from the theory at hand. The key to success in this area is a good understanding of mathematics.

- Prerequisite: Successful completion of *Algebra 1* and *Geometry*.
- Co-requisite: *Algebra 2*.

SCIENCE ELECTIVE COURSES

FORENSIC SCIENCE (#418)



1/2 year/1/2 credit

Forensic Science is the branch of science that is involved in the gathering of evidence from a crime scene, in order to present a case before a court of law. Students taking this elective course will develop investigative techniques used by agencies such as the police department and medical examiner's office in order to solve crimes. These techniques include fingerprint analysis, chemical analysis of blood and other body fluids, drug identification, hair and fiber analysis, and tissue analysis. Any student with an interest in putting knowledge of science to practical use should enjoy this course. In addition, students who are considering a career in law enforcement should find this course a valuable introduction to the field of criminal investigation. Laboratory investigations are incorporated into the daily lessons.

- Prerequisite: Successful completion of *Living Environment*.

HUMAN ANATOMY AND PHYSIOLOGY (#415)



1/2 year/1/2 credit

Anatomy is the branch of science dealing with the structural organization of living things. Physiology is the study of the physical and chemical processes that take place in living organisms during the performance of life functions such as reproduction, growth, and metabolism. Human anatomy and physiology investigates the structure and function of each major body system in considerable detail. As one of the basic life sciences, human anatomy and physiology are closely related to medicine, and other branches of biology.

- Prerequisite: Successful completion of *Living Environment* and *Chemistry*.

MARINE BIOLOGY I (#417)



1/2 year/1/2 credit

Marine Biology is the scientific study of the plants, animals, and other organisms that live in the ocean. The ocean is a vast realm that contains many strange and wonderful creatures. This course explores the enormous biodiversity of marine life found in the Great South Bay, Long Island Sound, and Atlantic Ocean. Laboratory investigations and various dissections are incorporated into the daily lessons.

- Prerequisite: Successful completion of *Living Environment*.

MARINE BIOLOGY II (#419)



1/2 year/1/2 credit

Marine Biology is the scientific study of the plants, animals, and other organisms that live in the ocean. This course delves deeper into the enormous biodiversity of marine life found in the oceans of the world. Greater emphasis is placed upon understanding the interactions of organisms in the various marine ecosystems, as well as the impact humans are having on the marine environment. Laboratory investigations are incorporated into the daily lessons.

- Prerequisite: Successful completion of *Living Environment* and *Marine Biology I*.

SCIENCE RESEARCH 1 (#427)



1 year/1 credit

This is the first-year course in the science research sequence and is intended for 9th and 10th grade students with an interest in carrying out authentic STEM research. The focus of the course is for students to uncover the excitement of discovery while acquiring life-long skills necessary to design and complete a group research project. Students will develop a comprehensive understanding of the research process, data acquisition and analysis, and the presentation of results. The students will be prepared to enter various science competitions.

- Prerequisite: recommendation from previous year's Science teacher.

SCIENCE RESEARCH 2 (#427b)



1 year/1 credit

Students will enhance the wide array of academic and life skills that they acquired in Research 1, continuing to develop as researchers while working on independent or group projects. Students will pursue a project in their field of interest such as in biology, chemistry, physics, computer science, engineering or psychology. Students will research background information, design experiments and acquire and analyze data, and present their results. The students will be prepared to enter various local and state, national and international science competitions.

- Prerequisite: *Science Research 1* or Research Teacher approval.

SCIENCE RESEARCH 3 (#427c)



1 year/1 credit

This course builds on the skills acquired in Research 1 and 2 and is intended for students to be prepared to participate in high level science competitions such as the Regeneron Science Talent Search, Google Science Fair and Long Island Science and Engineering Fair in their senior year. Students will be guided towards developing a research question that they can pursue during the school year.

- Prerequisite: *Science Research 1* and *Science Research 2* or Research Teacher approval.

ADVANCED PLACEMENT COURSES

ADVANCED PLACEMENT BIOLOGY (#400/400L)

1 year/1 credit

Advanced Placement (AP) Biology is a very challenging course available to students that have completed chemistry. AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes — energy and communication, genetics, information transfer, ecology, and interactions.

- Prerequisite: Students must have earned a passing score on the *Geometry* Regents examination and earned at least an 85% in *Chemistry* or teacher/guidance counselor recommendation.
- Students are required to complete a summer assignment.

ADVANCED PLACEMENT CHEMISTRY (#403/403L)

1 year/1 credit

This course is designed for students whose math and science ability is **significantly above average**. It is designed to be the equivalent of the general chemistry course usually taken during the first year of college, and it culminates in the Advanced Placement Chemistry Exam. The topics covered in AP Chemistry are similar to those introduced in Regents Chemistry; however, there is a much greater emphasis on chemical calculations and the mathematical formulation of chemical principles. Laboratory work is an integral part of the curriculum and is designed to introduce students to the proper use of lab equipment, to familiarize them with standard lab procedures, and to allow them practice in making and interpreting qualitative and quantitative observations.

- Prerequisite: Completion of *Regents Chemistry* with a 90 average or teacher/guidance counselor recommendation.
- Students are required to complete a summer assignment.

ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE (#412/412L)

1 year/1 credit

AP Environmental Science emphasizes the role of the Earth's environment in local, regional and global societies and the impact of people and societies on the environment. Students enrolled in this lab-based class participate in hands-on activities, discussions and outdoor projects. The curriculum focuses on the processes of science, the role of energy in all systems, interconnections between biotic and abiotic elements, the role of people in environmental change and sustainability of environmental and societal systems. The course integrates Earth and Life Sciences, Chemistry and Physics. Students will have the opportunity to contribute to their community and learn more about the world in which we live.

- Prerequisite: Students must have earned a passing score on the *Algebra* Regents Exam and earned an 85 or higher in *Living Environment*, and/or *Chemistry/Earth Science*.
- Students are required to complete a summer assignment.

ADVANCED PLACEMENT PHYSICS (#410/410L)

1 year/1 credit

This is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. This course requires that 25 percent of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices.

- Prerequisite: Successful completion of *Geometry*.
- Co-requisite: *Algebra II* or equivalent.

Note: Although the Physics 1 course includes basic use of trigonometric functions, this understanding can be gained either in the concurrent math course or in the AP Physics 1 course itself. No prior course work in Physics is necessary.

SOCIAL STUDIES



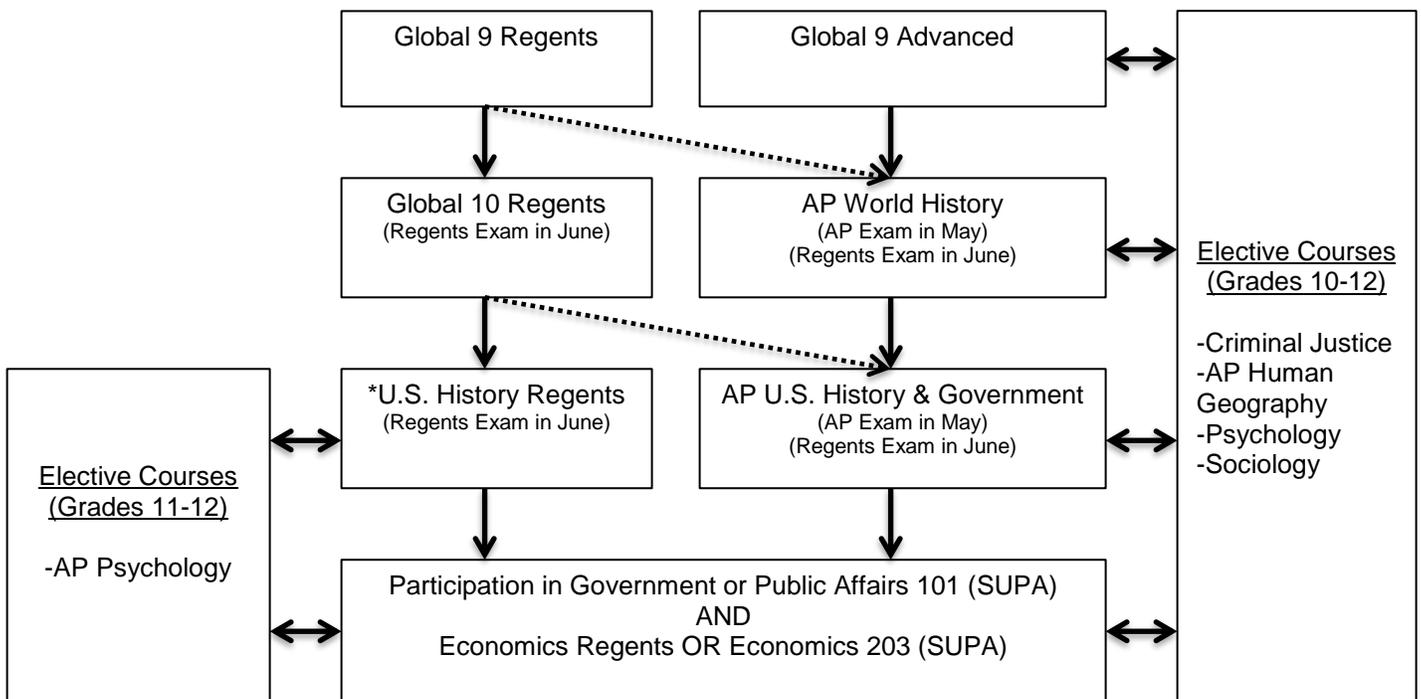
The Social Studies Department's highest priority is to enable all students to achieve their individual potentials.

PHILOSOPHY

The philosophy of the Seaford High School Social Studies Department is based on the belief that all students can achieve their individual potentials. Within these courses, students will use a variety of intellectual skills to demonstrate their understanding of:

- major ideas, eras, themes, developments, and turning points in the history of the United States and New York.
- major ideas, eras, themes, developments, and turning points in world history and examine the broad sweep of history from a variety of perspectives.
- the geography of the interdependent world in which we live -- local, national, and global -- including the distribution of people, places, and environments over the earth's surface.
- how the United States and other societies develop economic systems and associated institutions to allocate scarce resources, how major decision-making units function in the United States and other national economies, and how an economy solves the scarcity problem through market and nonmarket mechanisms.
- the necessity for establishing governments; the governmental system of the United States and other nations; the United States Constitution; the basic civil values of American constitutional democracy; and the roles, rights, and responsibilities of citizenship, including avenues of participation.

SOCIAL STUDIES COURSE SEQUENCE



FOUNDATION COURSES

GLOBAL HISTORY 9 (#201)



1 year/1 credit

Global History is designed to focus students on the five social studies standards, common themes that reoccur across time and place, and eight historical eras. In the 9th grade, students will complete four of these historical eras (beginning with the development of civilization to the seventeenth century). The course focuses on developing the skills needed for the new Regents examination. Ninth grade Global History Regents is the first year of a New York State mandated two-year program, which culminates in a Regents Exam in June of the second year of this program.

WORLD HISTORY 9 ADVANCED (#200)



1 year/1 credit

World History is designed to focus on the five social studies standards and major historical developments that link the six themes of civilizations in Asia, Africa, Europe and the Americas. In the 9th grade, students will cover the years 1000 to the 15th century, with a foundations element covering the pre-history years to 1000 C.E. World History 9 Advanced covers the first half of the College Board's AP World History course and will prepare students for the AP exam in May of their sophomore year by utilizing AP teaching and testing strategies.

This course is designed for students who are highly motivated and have achieved excellence in written expression and logical reasoning. Those students will study and analyze the interaction among major societies, the relationship of change and continuity across historical time periods, the impact of technology and demography on people and the environment, systems of social structure and gender structure, cultural and intellectual developments within societies and changes in function and attitudes towards states and political identities, including the emergence of nation states.

- Prerequisites: A minimum of 90% in *Social Studies 8* or teacher/guidance counselor recommendation.
- Students are required to complete a summer assignment.

GLOBAL HISTORY 10 (#204)



1 year/1 credit

Global History 10R is the second year of a two-year New York State mandated course. The course continues to focus on the five standards prescribed by the NYS curriculum. The course concludes with the remaining units and historical areas in the new curriculum (the seventeenth century to present day). Review of Global History 9 will help prepare students for the new Global History Regents Exam. **Successful completion of this exam is a prerequisite for a New York State Regents diploma.**

ADVANCED PLACEMENT WORLD HISTORY 10 (#203)



1 year/1 credit

World History is designed to focus on the five social studies standards and major historical developments that link the six themes of civilizations in Asia, Africa, Europe and the Americas. In the 10th grade, students will cover the 15th century to the present day.

This course is a continuation of World History 9 Advanced and is designed for students who are highly motivated and have achieved excellence in written expression and logical reasoning. Those students will study and analyze the interaction among major societies, the relationship of change and continuity across historical time periods, the impact of technology and demography on people and the environment, systems of social structure and gender structure, cultural and intellectual developments within societies and changes in function and attitudes towards states and political identities, including the emergence of nation states.

Advanced Placement World History 10 covers the second half of the College Board's AP World History course and will prepare students for the AP exam in May of their sophomore year by utilizing AP teaching and testing strategies. Students will also be prepared for and take the Regents Exam in Global History in June of their sophomore year.

- Prerequisites: Minimum grade of 85% in *Global History 9 Advanced* or 90% in *Global History 9 Regents* or teacher/guidance counselor recommendation.
- **Students are required to complete a summer assignment.**

UNITED STATES HISTORY & GOVERNMENT (#207)



1 year/1 credit

United States History and Government is a one-year required course for juniors. This course is structured chronologically in order to permit a deeper and thorough analysis and understanding of the political, social, economic and cultural aspects of American life. Critical thinking skills are applied to these contexts and written expression is emphasized. Students take a Regents exam at the end of the school year. **Successful completion of this exam is a prerequisite for earning a New York State Regents diploma.**

ADVANCED PLACEMENT U.S. HISTORY (#206)



1 year/1 credit

Advanced Placement U.S. History provides an in-depth chronological study of American history from the pre-colonial period to the present. Students will study the political, economic, social, and cultural history of the United States. Students will be challenged to analyze and evaluate the critical issues, which have shaped the nation. Special emphasis is placed upon developing the tools and techniques of scholarship: researching, interpreting, and writing. Students will also be required to take the New York State U.S. History and Government Regents Exam in June.

- Prerequisites: Highly motivated students with a minimum grade of 85% in *AP World History 10* or 90% in *Global History 10 Regents* is recommended or teacher/guidance counselor recommendation. A senior who has successfully completed *U.S. History and Government Regents* is also eligible.
- **Students are required to complete a summer assignment.**

ECONOMICS (#213)



½ year/½ credit

Economics is a one-semester state-mandated course for 12th grade students, which includes instruction on both micro and macroeconomics. Students learn the meaning of economic terms and develop an understanding of economics through the use of appropriate model systems. Major topics include the study of economic stability, capitalism, markets and prices, investments, trade, and the banking system. Personal financial literacy is stressed throughout the course. **Successful completion of this course is required for graduation.**

ECONOMICS SUPA 203: COLLEGE COURSE (#212)



½ year/½ credit

Economic Ideas and Issues

This is a college-level economics course which follows the curriculum developed by Syracuse University. The scientific method is used to analyze the question: How do individuals and societies make choices when they are faced with scarcity? The process takes students from the microeconomics to the macroeconomics level, emphasizing the connection between these two perspectives. Students examine the benefits, as well as the problems, inherent in a market-oriented economy.

The grading criteria will conform with that established by Syracuse University. Successful completion of the course results in three (3) college credits from Syracuse University. The course is open to qualified seniors who will be expected to complete a “hands-on” project. **This course meets the New York State requirement for Economics.**

- Prerequisites: Successful completion of *US History and Government Regents* or *Advanced Placement U.S. History* and teacher/guidance counselor recommendation.
- **This course requires registration and tuition payment directly to Syracuse University.**

PARTICIPATION IN GOVERNMENT (#210)



½ year/½ credit

This is a one-semester state-mandated course for 12th grade students which is designed to provide a practical learning experience in the public policy process, and an understanding of several major concepts of government and politics. This practical understanding will be achieved through various activities including a position paper and an oral presentation. In addition, students will be required to attend a Board of Education meeting and participate in a community service activity. **Successful completion of this course is required for graduation.**

PUBLIC POLICY SUPA 101: COLLEGE COURSE (#209) 

½ year / ½ credit

An Introduction to the Analysis of Public Policy

Public Policy 101 is designed to introduce students to basic skills of public policy analysis. These include the ability to: define and identify the components of public policy issues; communicate ideas and findings with respect to public policy issues; use graphs, tables, and statistics in the analysis of public policy; examine the use of surveys; identify a social problem and propose a public policy to deal with the problem; design a study to evaluate the impact of a proposed public policy; and analyze the political factions affecting the implementation of a proposed public policy.

This is a college-level course, which follows the curriculum developed by Syracuse University. Successful completion of the course results in three (3) college credits from Syracuse University, which are transferable to most colleges throughout the nation.

The grading criteria will conform with that established by Syracuse University. **This course meets the New York State requirement for Participation in Government.**

- Prerequisites: Successful completion of *U.S. History and Government Regents* or *Advanced Placement U.S. History* and teacher/guidance counselor recommendation.
- **This course requires registration and tuition payment directly to Syracuse University.**

ELECTIVE COURSES

CRIMINAL JUSTICE (#224) 

½ year / ½ credit

In this course, students will survey the American criminal justice system. This course will provide the student with an opportunity to better understand America's law enforcement procedures, court system, and our prison system. Additionally, the course will cover issues of concern in the scientific study of crime and justice practices. Students interested in pursuing a career in law or law enforcement would benefit from this course.

- Open to students in grades 10-12.

CRITICAL THINKING FOR SOCIAL STUDIES

Alternating Days/P or F Grade

(095SS/096SS) GRADES 9/10

(097SS/098SS) GRADES 11/12

This course will enhance the Social Studies classroom experience for students by pre-teaching and reinforcing the skills necessary for students to succeed in their Social Studies Regents classes. Teachers will provide individualized instruction tailored to each student's needs.

PSYCHOLOGY (#219) 

½ year / ½ credit

Psychology is a one-semester Regents level elective course. The course seeks to broaden understanding of human behavior through the study of perception, learning, conditioning, personality theories, abnormal psychology and forms of therapy. The major focus of the course is to promote greater self-awareness and self-understanding for the individual.

- Open to students in grades 10-12.

SOCIOLOGY (#216) 

½ year / ½ credit

Sociology is a one-semester Regents level elective course. The primary objective of the course is to provide an understanding of the basic concepts of social organization and interaction. Topics include the family, groups and group dynamics, gender, class structure, race and ethnicity, and urban and suburban social patterns. Emphasis focuses upon current U.S. social situations and problems.

- Open to students in grades 10-12.

ADVANCED PLACEMENT HUMAN GEOGRAPHY (#222)



1 year/1 credit

AP Human Geography introduces students to the systematic study of patterns and processes that have shaped human understanding, as well as the use and alteration of the Earth's surface. Students will learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. The course covers seven topics in one year. These include: 1. Geography and its nature and perspectives, 2. Population and migration, 3. Cultural patterns and processes, 4. Political organization of space, 5. Agriculture, food production, and rural use of land, 6. Industrialization and economic development, 7. Cities and urban land use. Goals of this course include interpreting maps and geospatial dates, understanding the implications of associations and networks through spaces, defining regions and evaluating the regionalization process, and to characterize and analyze changing interconnections among places.

- Open to students in grades 10-12.
- Prerequisites: Minimum grade of 80% in previous year's advanced or AP level social studies class or 85% in previous year's Regents level social studies class or teacher/guidance counselor recommendation.

ADVANCED PLACEMENT PSYCHOLOGY (#223)



1 year/1 credit

The AP Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories and key concepts associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology.

- Open to students in grades 11 and 12.
- Prerequisites: Minimum grade of 80% in previous year's advanced or AP level social studies class or 85% in previous year's Regents level social studies class or teacher/guidance counselor recommendation.
- **Students are required to complete a summer assignment.**

TECHNOLOGY EDUCATION

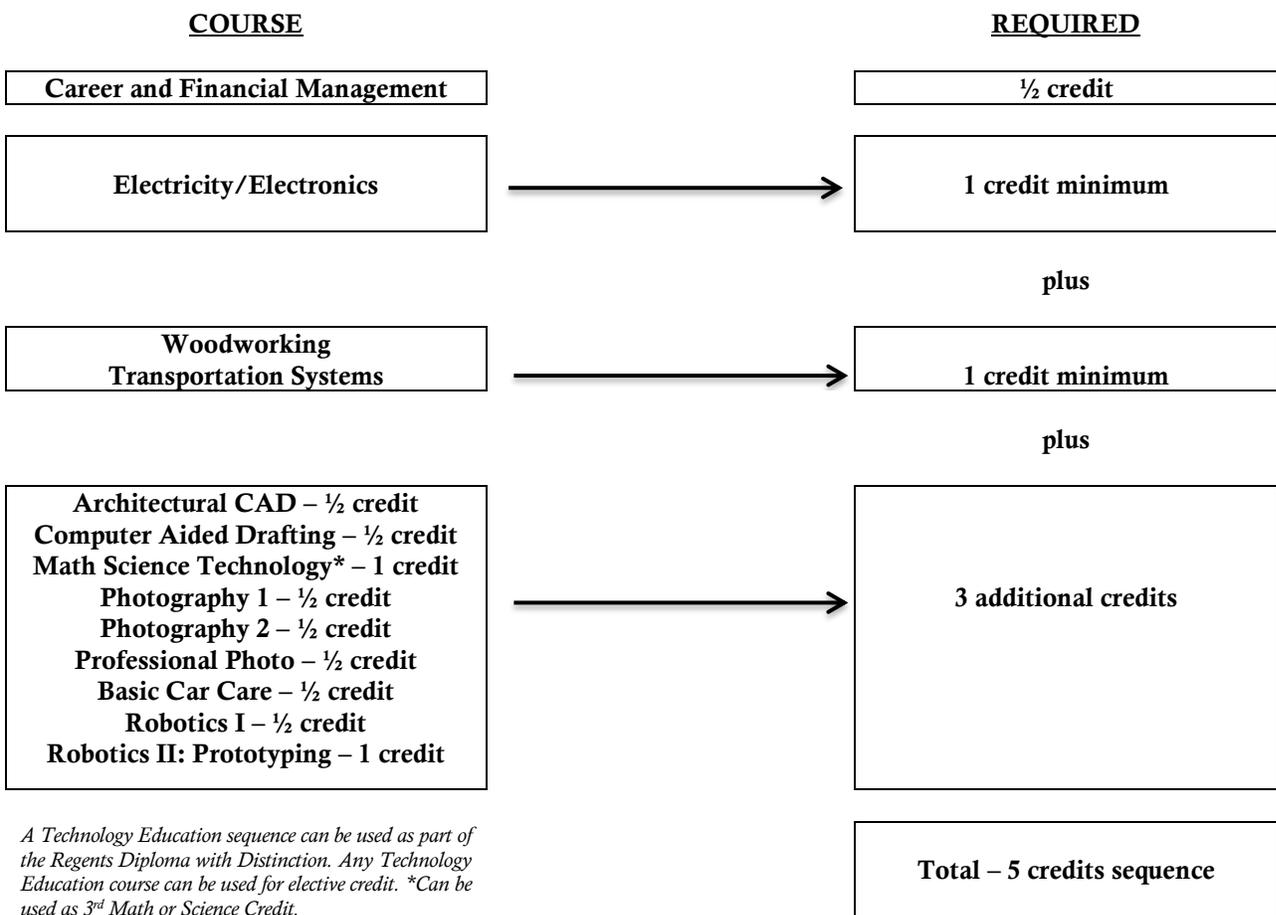
Technology Education is a discipline that provides the students with an opportunity to study the “human made” world and to develop technological literacy as part of their fundamental education.



PHILOSOPHY

The natural bond with Math and Science has given our department multiple levels for learning. Through design, build and test activities, students model solutions to real world problems and develop an understanding of technology in the past, present, and future. We offer much more than just knowledge about computers and their application; our programs engage learners in critical thinking as they design and develop products, systems, and environments to solve practical problems. Teachers empower students by asking them to apply what they have learned in other classes to solve practical real-world problems in the lab. This application of knowledge or transfer of learning is one of the core principles necessary for success in our society as well as the work world. Technology Education is the bridge between academics and the real world.

TECHNOLOGY EDUCATION COURSE SEQUENCE



*A Technology Education sequence can be used as part of the Regents Diploma with Distinction. Any Technology Education course can be used for elective credit. *Can be used as 3rd Math or Science Credit.*

ARCHITECTURAL CAD (#713)**½ year/½ credit**

The Architectural “CAD” or Computer Aided Drafting class utilizes a dedicated software program. The beginning portion of the curriculum will introduce the student to the software menu options and functions as the basics of architecture are explored. The drawing of actual projects will start with simple single floor plans and expand to include: foundation plans, stair locations, second floor plans, roof and landscape plans. The software includes the ability to record a walk-through of the house in a three-dimensional mode. Elevations or exterior wall views will be developed of the two-story house plan. Students will have a chance to apply their skills and knowledge to the independent design of a single-story house. The plans for the two-story house are printed in class to scale on a large format printer. This course is not just for students considering the field of architecture; it is for any student thinking about civil engineering, structural engineering, construction technology, landscape architecture, interior design, real estate, surveying, or anyone who needs to be familiar with architecture drawing.

COMPUTER AIDED DESIGN AND DRAFTING (CAD) (#712)**½ year/½ credit**

CAD is an essential tool for a career based on technology. CAD software is mechanical drawing done on a computer with the mouse and keyboard. This basic class provides an overview of how CAD is used in a variety of fields and 3 view drawings and 3D solid modeling are investigated using the software. Interfacing with 3D printing is also done as the CAD file is converted to a format recognized by the 3D printer and then printed in basic compound. The concept of 3D printing is a method of rapid style prototyping which students seeking a career in a technical field should be familiar with.

BASIC CAR CARE (#714)**½ year/½ credit**

Living on Long Island usually means owning some form of motor vehicle. The cost of maintaining and repairing a motor vehicle can be extremely high. From a simple task of buying tires to the complicated task of tracking down a more specific problem, students will develop a basic understanding of the automobile and its serviceable components. Students will explore basic hand tool skills, maintenance procedures, general repairs, and basic troubleshooting. Explore the emissions and safety aspects of the New York State Motor Vehicle inspection. Examine how to keep a car looking good using the detailing process. The procedure for purchasing new and used cars will be explained. This course is recommended for all future car owners.

CAREER AND FINANCIAL MANAGEMENT (#606)**½ year/½ credit**

See Business Education Department course information.

ELECTRICITY/ELECTRONICS (#702)**1 year/1 credit**

As we are in the middle of the information age, everybody is in daily contact with a vast majority of electrical devices, from computers to cell phones. A basic understanding of electrical and electronics theory and application will enhance the ability of students to manage new technologies as they emerge. Students will be provided the opportunity to explore the field of electronics and electricity, including what careers are available. This class will involve a basic study of how electrons are controlled by components. These components will range from simple switches to integrated circuits. The areas of basic residential wiring, magnetism, electric motors, soldering, basic electronic components, circuit boards, radio theory and others will be investigated during this full-year course. Internet web searches will also be used to enhance the curriculum content. Understanding Electrical Theory becomes an important contributing factor in each assigned student project. Through this experience, students will better understand the basics behind every day electronic devices. No prior knowledge of electronics is necessary. This course is a foundations course and can be utilized as part of a five-unit Technology sequence.

PHOTOGRAPHY I (#718)**½ year/½ credit**

The primary objective of the course is to provide students with intense hands-on technical experience with black and white photography. This is an introductory course for those with little or no experience using a film camera. Photography I is open to students who wish to explore the use of the camera as a tool for personal or commercial expression. The course will incorporate all the basic techniques of camera operation and darkroom procedures. Instruction will be geared, at first, to the fundamental techniques and procedures of photography and as the student progresses, emphasis will be placed on developing the students’ individual talents and interests. Also covered will be the various employment opportunities available through photography.

PHOTOGRAPHY II (#720)**½ year/½ credit**

Photography II will provide students with the opportunity to gain additional understanding, knowledge and skills beyond those attained in Photography I. The course is designed to provide a more sophisticated viewpoint into the techniques and artistry of photography. The students will explore more advanced concepts of film photography and in turn apply their knowledge to modern digital photography. Students will have the opportunity to express their creativity through

the use of digital cameras and photo editing software via the computer. Graphic effects, technical expertise and emphasis on self-expression in the medium are emphasized.

- Prerequisite: Successful completion of *Photography I*.
- This course can count as a credit towards the 5-credit sequence in either Art or Technology.

PROFESSIONAL PHOTOGRAPHY (#731)

½ year/½ credit (meets every other day all year)

This is an advanced course in Digital SLR photography for students with a serious interest in photography. Students will develop their style while exploring the technical and artistic side of various photography careers: fashion, food, landscape, action, and event photography. Students will be required to conduct photo shoots outside of school and attend events completing jobs for clients, enabling them to work interdependently and cooperatively. Students will prepare a digital portfolio by producing a website showcasing their photography work.

- Prerequisite: *Photography II* or teacher recommendation
- This course can count as a credit towards the 5-credit sequence in either Art or Technology.

WOODWORKING (#708)

1 year/1 credit

Woodworking is designed to teach students basic woodworking knowledge, skills, and techniques. This course will introduce students to hand tools as well as portable and stationary power tools. Students will complete group and individual projects designed to provide practical experience in woodworking techniques. Students will also learn basic residential construction skills by framing a shed as well as learn manufacturing via a production run. Career exploration will be investigated throughout this course to make you ready for the real world. This is a great class if you enjoy working with your hands and being creative.

TRANSPORTATION SYSTEMS (#710)

1 year/1 credit

Transportation as we know it today consists of land, sea and air systems. This course introduces present forms of transportation in each area as well as future applications. A basic knowledge of hand tool skills will be developed. Small engine theory, basic car care, land transportation, aviation, and marine systems will be addressed through hands on activities. This is an invaluable course for all students due to the wide range of technical exposure provided.

MATH, SCIENCE, & TECHNOLOGY/ PRINCIPLES OF ENGINEERING (#722)

1 year/1 credit

Has anyone put your ideas to work? We can and would like to show you how in MST.

The skills learned and developed in MST will strengthen the skills needed for the challenges college and the professional work environment present. This course is excellent for the college bound and work bound student. Students will use their Math, Science and Technology skills in problem solving activities. Basic engineering skills will be explored and developed through activities, which promote brainstorming and critical thinking. Students will use the design, build, and test model to solve real life problems. Projects related to case studies such as Auto Safety, Structures and Energy will be explored.

- Suggested enrollment is for students in grade 11 or 12.
- This course can fulfill the 3rd math or science credit.

ROBOTICS I (#730)

½ year/½ credit

Robotics is the science and technology of robots, their design, manufacture and application. This course is designed to develop a working knowledge of electronics, mechanics and software as applied to Robotics in general. Students will learn, through a “hands on” working environment, about various components that make up a robot and explore many facets of engineering. Students will apply their knowledge of robotics to the increasing demand for robots in our society. This course revolves around basic principles of Physics and Math. If you like to tinker with gears, motors, pneumatics, electronics and of course software, this is the class for you.

ROBOTICS II: PROTOTYPING (#735)

1 year/1 credit

Robotics and prototyping is an upper level Robotics course designed to take all of the introductory skills learned in Robotics, or the Robotics Club, and apply them to manufacturing robots. In this course students will use advanced technologies such as CAD and 3D printing technologies to build prototypes for the robot. As well as using technologies to prototype, students will gain a good understanding of tooling, writing code, and the engineering process. This is an invaluable course in problem solving that will help students for the rest of their lives.

- Prerequisite: *Robotics I*, Robotics Club, or teacher recommendation

WORLD LANGUAGES/ENL



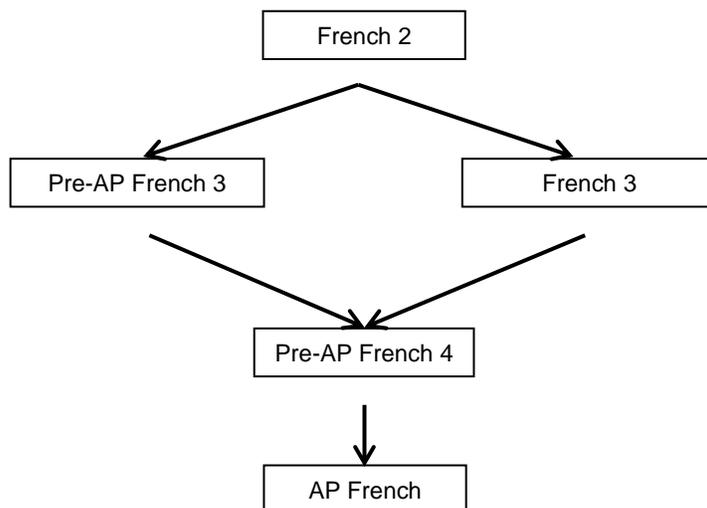
The goal of language study is to have all students become global citizens.

PHILOSOPHY

Working toward this goal of global citizenship, students will attain communicative skills, which will enable them to socialize, provide and acquire information, express personal feelings and opinions and get others to adopt a course of action. Reading and writing in the target language will also have this goal in mind.

It is also important that students develop cross-cultural skills and understandings. This requires an understanding of perceptions, gestures, folklore, and family and community dynamics. As such, one should be able to demonstrate sophisticated knowledge of cultural nuances in a target language culture and model how spoken language, body language, and social interaction influence communication. Through the utilization of technology, students will be able to access peoples and cultures worldwide.

FRENCH SEQUENCE



FRENCH 2 (#501)



1 year/1 credit

This course is a continuation of the introductory level. Communicative proficiency is developed through additional topics, situations, functional expressions and structures, which are analyzed and personalized. The four skills of listening, speaking, reading, and writing are developed further. Culture is integrated into the program by means of projects, the use of authentic materials and field trips. Students will be assessed at Checkpoint B proficiency, according to the State syllabus. Emphasis is on the practical use of the target language. Technology will be used to further enhance language learning.

- Prerequisite: *French 1* and successful completion of the New York State FLACS Examination/Checkpoint A in French.

FRENCH 3 (#502) **1 year/1 credit**

This course develops communicative proficiency at the intermediate level. The four skills of listening, speaking, reading and writing are expanded by means of intermediate level topics, situations, functional expressions and structures. French culture is integrated into the program through the use of authentic materials. Classes are conducted in the target language. Students are prepared for the FLACS examination, which serves as the final examination for the course. Students will again be assessed at Checkpoint B proficiency, according to the State syllabus. Emphasis is on the practical use of the target language. Technology will be used to further enhance language learning.

- Prerequisite: Successful completion of *French 2*.

FRENCH 3 PRE-AP (#520) **1 year/1 credit**

This course serves as a bridge between the first two years of basic language instruction and the more advanced courses offered in the French program. Language instruction will continue to expand the students' four skills listening, speaking, reading and writing as well as gain a deeper understanding of the Franco-phone culture. Emphasis is also placed on more advanced grammatical structures and practical interpersonal activities. In order to prepare students for the next level, use of broadcast media, on line resources from French speaking countries are used as students acquire the necessary skills. This course is designed for students who plan to take the Advanced Placement Exam in French.

- Prerequisite: Minimum of 85% in *French 2* or teacher recommendation.

FRENCH 4 PRE-AP (#521) **1 year/1 credit**

This course serves as a pre-requisite for the Advanced Placement French class. The main components of the course are communicative refinement, consistent study of complex grammar, vocabulary expansion, reading comprehension, listening activities and continued cultural studies. Emphasis is also placed on current events and literature. In order to prepare students for the next level, use of broadcast media, on line resources from French speaking countries are used as students acquire the necessary skills. Students may take the SAT Subject Test if needed for college. Technology will be used to further enhance language learning. This course is designed for students who plan to take the Advanced Placement Exam in French.

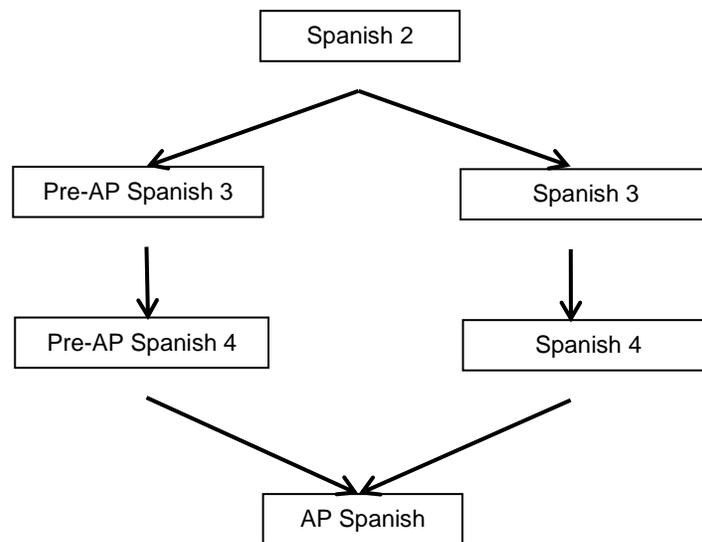
- Prerequisite: Successful completion of *Pre-AP French 3* or teacher recommendation.

ADVANCED PLACEMENT FRENCH (#504) **1 year/1 credit**

This course continues the development of the four language skills of listening, speaking, reading and writing at the advanced level. Emphasis is placed on using language for active communication. The objectives of the course are to prepare students to understand the spoken language in both formal and conversational situations, to speak with accuracy and fluency, to read newspapers, magazines, and literature with accuracy, and to express ideas fluently in writing. Students may take the Advanced Placement Examination for possible college credit. An optional trip to French speaking countries may be offered, subject to Board of Education approval. Emphasis is on the practical use of the target language. Technology will be used to further enhance language learning.

- Prerequisite: Successful completion of *Pre-AP French 4*.

SPANISH SEQUENCE



SPANISH 1 (#505)

1 year/1 credit

This is an introductory course, which develops communicative proficiency at the beginning level in the four basic language skills of listening, speaking, reading, and writing. Relevant topics, situations, functional expressions, and structures are introduced by means of personalization and analysis. Culture is integrated into the program by means of projects, the use of authentic materials, and field trips. Students will be assessed at FLACS/Checkpoint A proficiency, according to the State syllabus. Emphasis is on the practical use of the target language. Technology will be used to further enhance language learning.

SPANISH 2 (#506)

1 year/1 credit

This course is a continuation of the introductory level. Communicative proficiency is developed through additional topics, situations, functional expressions and structures, which are analyzed and personalized. The four skills of listening, speaking, reading, and writing are further developed. Appreciation of Hispanic culture is integrated into the program by means of projects, the use of authentic materials and field trips. Students will be assessed at Checkpoint B proficiency, according to the State syllabus. Emphasis is on the practical use of the target language. Technology will be used to further enhance language learning.

- Prerequisite: *Spanish 1* at the High School or *Spanish 1* and successful completion of the New York State FLACS Examination/Checkpoint A in Spanish at the Middle School.

SPANISH 3 (#507)

1 year/1 credit

This course develops communicative proficiency at the intermediate level. The four skills of listening, speaking, reading and writing are expanded by means of intermediate level topics, situations, functional expressions and structures. Appreciation of Hispanic culture is integrated into the program through the use of authentic materials. Classes are conducted in the target language. Students are prepared for the FLACS examination, which serves as the final examination for the course. Students will again be assessed at Checkpoint B proficiency, according to the State syllabus. Emphasis is on the practical use of the target language. Technology will be used to further enhance language learning.

- Prerequisite: Successful completion of *Spanish 2*.

SPANISH 4 (#508)

1 year/1 credit

This course develops communicative proficiency at the advanced level. Listening, speaking, reading and writing skills are expanded through advanced level topics, situations, functional expressions and structures. The literature, history and contemporary lifestyles of Spain and Latin America are focal points of the curriculum. Students will be assessed at Checkpoint C proficiency. An optional field trip to Spanish speaking

countries may be offered, subject to Board of Education approval. Emphasis is on the practical use of the target language. Technology will be used to further enhance language learning.

- Prerequisite: Successful completion of *Pre-AP Spanish 4* or *Spanish 4* with teacher recommendation.

SPANISH 3 PRE-AP (#517)  **1 year/1 credit**

This course serves as a bridge between the first two years of basic language instruction and the more advanced courses offered in the Spanish program. Language instruction will continue to expand the students' four skills listening, speaking, reading and writing as well as gain a deeper understanding of the Iberian and Latin American cultures. Emphasis is also placed on more advanced grammatical structures and practical interpersonal activities. In order to prepare students for the next level, use of broadcast media, on line resources from Spanish speaking countries are used as students acquire the necessary skills. This course is designed for students who plan to take the Advanced Placement Exam in Spanish.

- Prerequisite: Minimum of 85% in *Spanish 2* or teacher recommendation.

PRE-AP SPANISH 4 (#518)  **1 year/1 credit**

This course serves as a pre-requisite for the Advanced Placement Spanish class. The main components of the course are communicative refinement, consistent study of complex grammar, vocabulary expansion, reading comprehension, listening activities and continued cultural studies. Emphasis is also placed on current events and literature. In order to prepare students for the next level, use of broadcast media, on line resources from Spanish speaking countries are used as students acquire the necessary skills. Students may take the SAT Subject Test if needed for college. Technology will be used to further enhance language learning. This course is designed for students who plan to take the Advanced Placement Exam in Spanish.

- Prerequisite: Successful completion of *Pre-AP Spanish 3*, 90% in *Spanish 3* or teacher recommendation.

ADVANCED PLACEMENT SPANISH (#509)  **1 year/1 credit**

The AP Spanish Language course should help prepare students to demonstrate their level of Spanish proficiency across three communicative modes: Interpersonal [interactive communication], Interpretive [receptive communication], and Presentational [productive communication], and the five goal areas of the National Standards for Foreign Language Education: Communication, Cultures, Connections, Comparisons, and Communities. The course has been to some extent modified with the purpose of reflecting the requirements for the new AP Spanish Language. In order to accomplish these goals, this course emphasizes the use of broadcast media, on line resources from Spanish speaking countries, and literature. Students may take the AP Spanish Language Examination for possible college credit. An optional field trip to Spanish speaking countries may be offered subject to Board of Education approval.

- Prerequisite: Successful completion of *Pre-AP Spanish 4* or teacher's recommendation.

**ENL (ENGLISH AS A NEW LANGUAGE) (#512)
ENL 2 (#512B)** **1 year/1 credit**

This course develops communicative proficiency in English. The four skills of listening, speaking, reading and writing are developed by means of topics, situations, functional expressions and structures, which are analyzed and personalized. Cultural understanding of the United States is developed. Emphasis is on the practical use of English. Technology will be used to further enhance language learning.

AMERICAN SIGN LANGUAGE (#525)  **1 year/1 credit**

This is an introductory course which develops communicative proficiency at the beginning level in the language. Relevant topics, situations, functional expressions, and structures are introduced by means of personalization and analysis. Culture is integrated into the program by means of videos, projects, the use of authentic materials, and field trips. Students will be assessed at Checkpoint A proficiency, according to the State syllabus. Emphasis is on the practical use of the target language. Technology will be used to further enhance language learning.

- Open to all students in grades 11 and 12.