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# Course Catalog 2016 – 2017

Westhampton Beach High School  
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Dear Student,

The goal of the faculty and administration of Westhampton Beach High School is to provide you with an education that encourages and develops social and emotional growth, critical thought, analytical problem solving, leadership and citizenship. Education is a life-long process, and we believe that in order to prepare you to meet the demands of a rapidly changing world, course offerings need to be rigorous, challenging and relevant.

The depth and breadth of our course offerings allow each student to individualize his/her academic program and chart a course for future success. Within this Course Catalog are typical flow charts, prerequisites and the required grade level of students. Please be aware, however, that we encourage students to reach their highest potential and all requests will be evaluated individually to ensure an appropriate placement. Furthermore, our Challenge by Choice initiative was designed to encourage student entry into the most rigorous courses offered. We believe this program will help better prepare our students for the challenge of college. We recommend that you take the time to carefully read the course descriptions and that you actively seek the advice and guidance of your parents, teachers, administrators and counselors. Ask questions! The full faculty is eager to help you make your course decisions.

As always, feel free to call on me if there is any assistance I can give you in enhancing your educational opportunities at Westhampton Beach High School. The best way to predict your future is to create it! Turn the page and let's begin!

Yours truly,

*Christopher Herr*

Christopher Herr, Ed.D.  
Principal

*“Striving for Mastery: High Expectations for All”*



# Course Catalog 2016 – 2017

The Westhampton Beach School District offers its students the highest quality of educational opportunities. Therefore, taking the following courses and passing the appropriate assessments can achieve the following:

Required Core Subjects	Advanced Designation on Regents Diploma
English	4 credits
Social Studies	4 credits
Mathematics	3 credits
Science	3 credits
World Languages	3 credits **
Health	½ credit
Art and/or Music	1 credit
Electives	1½ credit
Physical Education *	2 credits
<b>Total</b>	<b>22 credits</b>

\* All students must take physical education for each semester they are enrolled in school.

\*\* Students are required to have completed one credit of a world language (Spanish/French) in high school.

Required Regents Exams (Passing Score: 65)
English Language Arts
Algebra I
Geometry
Algebra II
Global History
U. S. History
Science Regents
Science Regents
Comprehensive Language ****

\*\*\* Students with a score of 85 or better on their Regents exam in Math/Science may earn an annotation on their diploma that denotes mastery.

\*\*\*\* May substitute 5 units of credit earned in Art, Music, or Occupational Education. It is strongly recommended that this option only be exercised if Art, Music or Occupational Education are intended college majors.

Students who fail English or Social Studies must attend summer school in order to graduate with their class.



## Additional Graduation Options:

### Local Diploma Options for Students with Disabilities

Low Pass Safety Net Option: 5 required Regents exams with a score of 55 or better as follows: 1 Math, 1 Science, 1 ELA, 1 Global History and Geography, 1 US History and Government.

Compensatory Safety Net Option: if the student scores between 45-54 on one or more of the five required Regents exams, other than the ELA or mathematics exam, but compensates the low score with a score of 65 or higher on another required Regents exam.

### High School Exiting Credentials for Students with Disabilities

The Career Development and Occupational Studies Commencement Credential is available to students with disabilities who complete a career plan; demonstrate attainment of the CDOS learning standards; satisfactorily complete 2 units of study in Career and Technical Education coursework and work-based learning (at least 54 hours); and have at least 1 completed employability profile. This credential may be a supplement to a regular diploma, or if the student is unable to meet diploma standards the credential may be awarded as the student's exiting credential.

The Skills and Achievement Commencement Credential may be awarded to students with severe disabilities that are assessed using the NYS Alternate Assessment.

### Grade Placement Minimum

10<sup>th</sup> grade: 5 credits  
11<sup>th</sup> grade: 10 credits  
12<sup>th</sup> grade: 16 ½ credits

**No partial credit will be given for full-year courses**



## **Service Graduation Requirement**

The service graduation requirement states that during their four years at Westhampton Beach High School students must serve a minimum of 40 hours of community service/service learning. This requirement is broken down so that students serve a minimum of 10 hours per year.

Students are able to fulfill their hours through numerous activities. Some opportunities have been posted on our school web site ([www.whbschools.org](http://www.whbschools.org)) while others can, and should, be based on interest and current involvement. Students doing service through their clubs and outside organizations (Boy Scouts, Girl Scouts, Special Olympics, etc.) can count those hours toward the school requirement.

Students will need a parent to sign their verification from after performing the service. The student will then need to hand the verification form in to their guidance counselor for final approval.

## **Counseling Programs**

Counselors at the high school are available for personal counseling, career and vocational guidance, academic counseling and consultation with teachers and parents regarding their students. They meet with students individually and in small groups. The counselor serves as the bridge between the classroom and all other aspects of students' lives.

A group oriented curriculum has been developed as a means of meeting with more students more often and allowing them to share questions and concerns with their counselor and each other. Students may also meet with the school social worker and are advised of the availability of private and agency counseling in the Westhampton Beach area.

### **Special Counseling Programs:**

1. College Fair
2. Parent college workshops
3. English 12 guidance curriculum
4. College representative visits
5. New student and Freshman orientation
6. Naviance computer program to assist with career and post-secondary planning



# Course Catalog 2016 – 2017

## THE COUNSELING CURRICULUM COVERS THE FOLLOWING POINTS:

### **GRADE 9**

- Freshman Parent Night
- Introduction to high school (expectations of teachers, extra help, ways to become involved)
- Discussion of counselor's role
- Introduction to Naviance
- Graduation requirements
- Preparation for 10th grade: course selection process

### **GRADE 10**

- Career awareness and exploration
- Work values & life style awareness
- Preparation for 11th grade: course selection process and the importance in relation to careers and post-secondary options
- College fairs

### **GRADE 11**

- Junior College Night
- Post high school planning and preparation
- Standardized Testing
- College seeking process including: college search, resume, campus visits, interview techniques
- Graduation requirements and senior year course selection

### **GRADE 12**

- Senior College Night
- English 12 guidance curriculum
- Standardized Testing
- College application process
- Review of transcripts: graduation requirements, GPA

## **Scheduling/Course Changes**

It is critical that students and parents read and follow the following time schedule carefully. The courses to be offered during the school year are based on student selections. However, the courses in the catalog are listed on a tentative basis. Some may not be offered in a specific year because they fail to meet the minimum enrollment requirements. Students should make very careful and well thought-out decisions.

### **Scheduling Calendar**

January	Scheduling Orientation in all Social Studies classes & Distribution of Course Offerings Catalog
January/February	Counselors to meet with students in order to choose courses
February	Counselors to finalize course selections with students
March	Course selections received by parents
April/May	Counselor to resolve scheduling conflicts with students
June	Scheduling decisions are considered <b>final</b> at this point



## Withdrawal from a Course

It is expected that any student enrolling in a course will remain for its duration. However, there are circumstances which may result in a student dropping a course. If a course is dropped during the first two weeks of school, no notation will appear on the student transcript. There is no drop/add period for second semester courses beyond the first two weeks of the school year.

Any changes that need to take place between week three and week five will require that a student utilize a drop/add form with appropriate signatures [approvals]. This form should be completed within two days and monitored by the student's counselor. If there are extraordinary circumstances that require dropping a course after week five or week three of a half year course, a withdrawn passing (W/P) or withdrawn failing (W/F) will be noted on a student's transcript as determined by the principal.

## Honors and Advanced Placement Programs: Challenge By Choice

Westhampton Beach High School offers a number of Honors and Advanced Placement courses. Prerequisites for a student to be enrolled in Honors and Advanced Placement classes include academic performance in previous classes, teacher recommendations, counselor input, **and most importantly student interest**. Students enrolled in Honors and Advanced Placement (AP) courses study an enriched curriculum preparing them for higher education. Honors and AP courses are given the highest final grade weighting that significantly affects students' rank in their class. Students are required to pay for and take AP exams. If payment is not received by the school after it is requested, students will be denied the AP designation on their transcript.

## Grade Weighting

The Grade Weighting Protocol recognizes that some academic programs are more rigorous and challenging than others, and therefore rewards students for taking more demanding classes.

For each Advanced Placement (AP) course a weight of .3 will be added to the overall GPA while Honors and concurrent college course a weight of .15 will be added to the students overall GPA. The aforementioned amounts are based on one credit courses. Half credit courses will receive .15 and .075 respectively.

## Class Rank

**Class rank** and grade point averages imprinted on senior transcripts that are forwarded to college admissions offices reflect high school courses taken through the end of the junior year, including all summer school grades. The Class Rank reflects the overall GPA after the additional weights for AP, Honors, and concurrent courses have been added, whereas the reported Grade Point Average (GPA) printed on the transcript is unweighted. Physical Education, Pass/Fail courses, and all courses earning less than .50 credit are excluded from the GPA.

## Valedictorian/Salutatorian Determination

To validate who has earned the highest (valedictorian) and the second highest (salutatorian) ranks in a graduating class, student grades, will be re-averaged at the end of the **third quarter**. Such determination is final and no adjustments thereafter will take place.



## Transfer Students

In order to be eligible to be the Valedictorian/Salutatorian or to receive a class ranking, a graduating senior must have spent four consecutive semesters at Westhampton Beach High School. A grade conversion chart will be applied to grades of students who transfer from a school that uses an alternative grading method.

## College Board AP Capstone Program

AP Capstone is a new diploma program being offered by the College Board. Westhampton Beach High School is one of a select group of schools invited to offer this unique program beginning in the 2016-2017 school year. The AP Capstone Program consists of AP Seminar (grade 10) and AP Research (grade 11). Students who earn AP scores of 3 or higher in AP Seminar, AP Research, and four additional AP exams will earn the AP Capstone Diploma from College Board.

## Honor Roll

Names of students who have earned a **GPA of 89.5 or higher** are listed on the **Honor Roll**, while name of students who have earned a **GPA of 95 or higher** are listed on the **Principal's Honor Roll**. Grades of *incomplete* prevent inclusion on the honor roll.

## Special Education Services

The Special Education Department offers a full range of support services. It is the intent of the special education program to educate students with disabilities in as integrated a setting as possible. We offer a full range of academic programs in grades 9 through 12. These services include: special classes, integrated co-taught classes, and resource room. When appropriate, the services of a psychologist, social worker, and speech therapist are available for students.

Students are also assessed for vocational programs and can attend one of the many occupational programs offered by Eastern Suffolk BOCES.

## Student Support Services

- Academic Intervention Services
- Alternative Education
- Counseling
- ENL
- Extra-help classes offered after school
- Instructional Support Team
- Psychologist
- Social Worker
- Testing Center [based upon the recommendation of CSE]
- Reading Program
- Student tutoring from NHS
- Writing Studio

**ART****Studio Art****0786****Level of Student: Grades 9-12****No. of Credits: 1.0****Prerequisite: None**

Studio Art is the basic foundation to all other art electives. Students will gain an understanding for the use of the elements and principles of design and develop skills that will allow them to apply these techniques in drawing, ceramics, sculpture and computer graphics. This course is designed to teach students how to appreciate styles, mediums and art history while developing skills in line drawing, value studies, color theory, shape and form.

**Drawing and Painting I & II****0706, 0707****Level of Student: Grades 10-12****No. of Credits: 1/2 each****Prerequisite: Studio Art or fulfilled Fine Art requirement**

Drawing and Painting I & II are advanced studio courses designed to further investigate the application of the elements and principles of design as seen in drawings, paintings, printmaking, and other two-dimensional design techniques. Students will also develop further mastery in life drawing skills.

**Advanced Drawing & Painting****0766****Level of Student: Grades 11-12****No. of Credits: 1.0****Prerequisite: Drawing & Painting I/II and/or teacher approval**

Advanced Drawing & Painting is designed to enrich the learning experiences for juniors who wish to take Advanced Placement Studio Art in their senior year. Students will benefit from the instruction and additional time that will make it possible to prepare the necessary amount of quality works required for the exam. Coursework will include intense drawing and painting studies created from observation, imagination and emotion. This course is considered an Advanced Placement Preparation course.

**Advanced Placement (AP) Drawing****0779****Level of Student: Grade 12****No. of Credits: 1.0****Prerequisite: Advanced Drawing and Painting and/or teacher approval and portfolio review**

Advanced Placement Studio Art Drawing Portfolio is for the highly motivated senior. Students are required to submit works in the following sections: Quality, Breadth and Concentration. The Quality and Breadth sections are a collection of works demonstrating a variety of experiences in using the formal, technical, and expressive means available to an artist. The Concentration is an in-depth, personal commitment to a particular concern. Students must demonstrate extreme self-motivation and dedication. Extra studio time is required.

**Ceramics I****0756****Level of Student: Grades 10-12****No. of Credits: 1/2****Prerequisite: Studio Art or fulfilled Fine Art requirement**

Ceramics I offers students the opportunity to develop ideas and skills in the design and construction of hand built ceramics. Students will learn coil, slab, pinch and modeling techniques. All projects will be fired and various glazing techniques will be explored.

**Ceramics II****0764****Level of Student: Grades 10-12****No. of Credits: 1/2****Prerequisite: Ceramics I**

Ceramics II is a continuation of Ceramics I and works with hand building, introduction to the potter's wheel, and advanced glazing techniques. Students will be encouraged to expand upon their previous knowledge and explore more advanced levels of working with clay. In Ceramics II, students will be encouraged to develop means of expressing their own individualized creativity.

**Sculpture I & II****0771, 0772****Level of Student: Grades 10-12****No. of Credits: 1/2 each****Prerequisite: Studio Art or fulfilled Fine Art requirement**

Sculpture I will explore the five categories in creating sculpture, carving, modeling, construction, casting and assemblage. Various mediums will be used to include plaster, wire, wood and clay. Sculpture II will incorporate techniques of Sculpture I. The emphasis will be on the creative aspects of 3D design.

**Advanced Placement (AP) 3-D Design****0732****Level of Student: Grades 11-12****No. of Credits: 1.0****Prerequisite: Ceramics I & II, Sculpture I & II, and/or teacher approval and portfolio review**

Advanced Placement 3-D art is for the highly motivated art student who has demonstrated talent in three-dimensional arts. In the Advanced Placement 3-D Design Portfolio, the students will demonstrate their understanding of design principles as they relate to depth and space. These issues can be explored through additive, subtractive, and/or fabrication processes. Examples of approaches include figurative or nonfigurative sculpture, architectural models, metal work, ceramics, and three-dimensional fiber arts, among others. The student will submit 38 slides over three sections, quality, breadth and concentration. Extra studio time is required.

**Computer Graphics I****0791****Level of Student: Grades 10-12****No. of Credits: 1/2****Prerequisite: Studio Art or fulfilled Fine Art requirement**

Computer Graphics I is an introductory course into the high tech world of animation, graphics, layout and advertising design. Industry standard software applications as well as conceptual communication problem solving are included in this curriculum. This class is particularly useful for the student pursuing a career in commercial art.

**Computer Graphics II****0792****Level of Student: Grades 10-12****No. of Credits: 1/2****Prerequisite: Computer Graphics I**

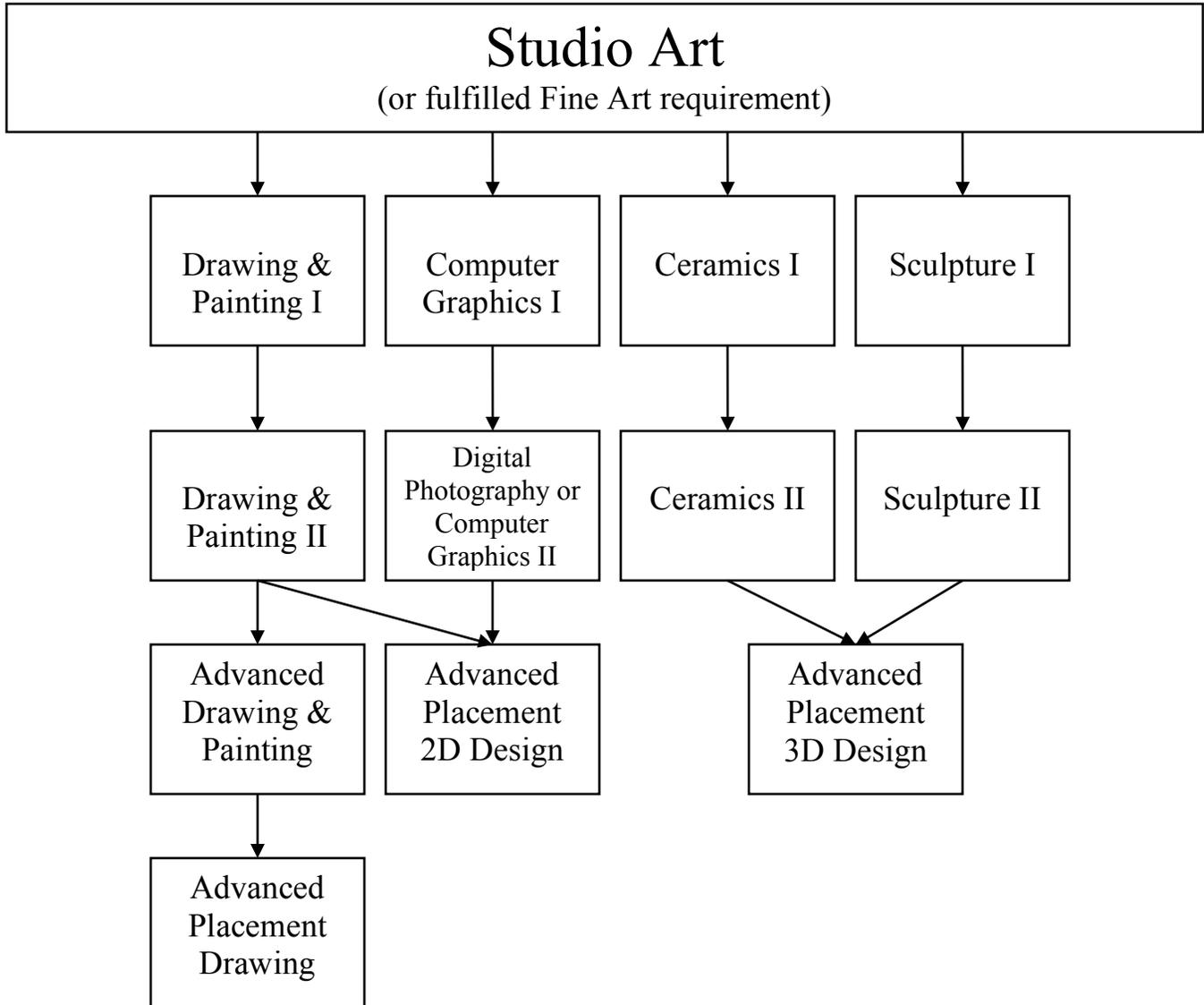
Computer Graphics II is a continuation of Computer Graphics I. Students will expand upon their previous knowledge of Photoshop and Illustrator and explore a more advanced level of commercial art with an introduction to Adobe InDesign. Students will focus on commercial industry standards; output, advertising, commercial product design and conceptual digital art.

**Digital Photography****0773****Level of Student: Grades 10-12****No. of Credits: 1/2****Prerequisite: Computer Graphics I**

This course explores the fundamentals of digital photography. Students learn the techniques and applications of acquiring, manipulating and outputting digitized photographic images utilizing digital cameras and Adobe Photoshop. Students will explore lighting, color, texture, composition, and other subject matter to achieve a solid grounding in both technical and creative photographic processes. Key areas of photography covered are still life, portraiture, sport, product and expression.

**Advanced Placement (AP) 2-D Design****0733****Level of Student: Grades 11-12****No. of Credits: 1.0****Prerequisite: Computer Graphics I, II and/or teacher approval and portfolio review**

Advanced Placement 2-D art is for the art student who demonstrates a strong talent in the area of design on a two dimensional surface. In the Advanced Placement 2-D portfolio, the students will demonstrate their understanding of the principles of design articulated through the visual elements of line, shape, color, value, texture and space. 2-D processes and mediums that may be used include graphic design, digital imaging, photography, collage, fabric design, weaving, illustration, painting and printmaking. The student will submit 5 quality pieces, 12 slides of a concentration and 12 breadth slides. This course takes considerable dedication and includes extra studio time.



**BUSINESS****Career & Financial Literacy 0696****Level of Student: Grades 9-12****No. of Credits: 1.0****Prerequisite: None**

This course will provide students with the opportunity to learn about the features of our economy. Students will explore a variety of careers, gain skills and competencies needed for success in the workplace and to become financially literate. Students will be encouraged to begin or continue to develop a career plan at the commencement level, apply academic skills to solve real-world problems and become familiar with the skills needed to become successful citizens, employees, and employers. Students wishing to strengthen foundations in Business/Marketing/Information Technology for future career paths are encouraged to take this course.

**Business Law 0699****Level of Student: Grades 10-12****No. of Credits: 1.0****Prerequisite: None**

This course allows the student to gain a genuine respect for the laws that govern business transactions and learn to intelligently apply those laws as they might affect one in the business world and in personal life. This course is useful for the future business major as well as for the consumer in general. This course will explore legal issues such as marriage (family law), employment law, real estate (property law), corporate law, and contract law with the use of the Internet, presentations from guest speakers, and in-class mock trials. **Students may be eligible to obtain three (3) college credits from SUNY Farmingdale for the successful completion of this course.**

**Principles of Marketing 0698****Level of Student: Grades 10-12****No. of Credits: 1.0****Prerequisite: None**

This course introduces students to the important role that marketing plays in our economic system. Content revolves around the basic marketing functions of financing, risk management, selling, promotion, pricing, purchasing, market information management, product/service/idea planning, and distribution. Topics that will be explored are sports marketing, entertainment marketing, fashion marketing, and advertising marketing. **Students may be eligible to obtain three (3) college credits from SUNY Farmingdale for the successful completion of this course.**

**Career Release – Cooperative Education Program 0656****Level of Student: Grade 12****No. of Credits: 1.0 (150 hours work experience = additional ½ credit, 300 hours work experience = additional 1.0 credit, 450 hours work experience = 1.5 credit and 600 hours work experience = an additional 2.0 credits maximum)****Prerequisite: None**

The Cooperative Career & Technical Education Work Experience Program is a work-based learning program for high school seniors, consisting of 150 to 600 hours of paid or non-paid work experience (job or internship), supported by related in-school instruction. Students may earn up to 2 CTE credits for their work experience, dependent upon the specific number of recorded work hours. This program is registered with the New York State Education Department. Students that wish to enroll in the Cooperative Education Program must simultaneously be enrolled in a business course administered by the school's Diversified Cooperative Education Coordinator, who oversees the program. All required paperwork for this program must be submitted to the Program Coordinator before the student can begin work-study.

**Accounting 0616****Level of Student: Grades 10-12****No. of Credits: 1.0****Prerequisite: None**

This course is for the advanced student who would like to explore accounting careers and plans to seek further education in the field of business. This course curriculum is designed to provide students a strong foundation in accounting principles. Students will learn what business transactions are and how accountants use a double-entry system (debits and credits) to keep track of these transactions. Students will learn accounting concepts, create spreadsheets using Microsoft Excel, and seek applications with the use of the computer and simulations. **Students may be eligible to obtain three (3) college credits from SUNY Farmingdale for the successful completion of this course.**

**Business Management 0645****Level of Student: Grades 10-12****No. of Credits: 1.0****Prerequisite: None**

This course helps to prepare the student who aspires to be a leader in a world that will require skills in a multitude of environments: financial, technological, marketing, legal. Skills acquired during this course include the ability to plan strategically, as well as to communicate with people on all levels. Students will apply their knowledge through problem solving and demonstration of complex management activities. This course includes the participation in a group business plan competition. **Students may be eligible to obtain three (3) college credits from SUNY Farmingdale for the successful completion of this course.**

**E-Commerce****0695****Level of Student: Grades 9-12****No. of Credits: 1/2****Prerequisite: None**

The Internet has revolutionized the buying and selling of goods and services in our economy. Modern electronic commerce encompasses a wide range of technologies including the World Wide Web, mobile devices, email, and social media. Electronic commerce is an integral component of the business world and our 21<sup>st</sup> century global economy. In this course, students will learn about the history of electronic commerce, Internet business models, electronic commerce infrastructure, social media, e-commerce marketing, designing virtual storefronts, privacy issues, payment acceptance, security safeguards, personal finance applications, legal and ethical challenges, and real life case studies of successful e-commerce businesses and entrepreneurs. Students can build upon the fundamentals learned in this course as they continue their business education in the future with higher level high school and college business courses. In addition, this course will prepare students to be responsible Internet users in their everyday lives, as they shop online, handle their personal finances, respond to social media marketing, divulge personal information to commercial websites, or even develop their own e-commerce websites. **Students may be eligible to obtain three (3) college credits from SUNY Farmingdale for the successful completion of this course.**

**The Digital Generation: Creating a Professional Web Presence 6011****Level of Student: Grades 10-12****No. of Credits 1/2****Prerequisite: None**

This course introduces advanced business computer applications that are essential in today's business environment. Students will learn how to utilize the power of the internet and social media to enhance their understanding of its relationship to successful business practices. Students will explore a number of topics including building a strong web presence, leveraging social media, creating and uploading video content, exploring blended and distance learning and using mobile devices as learning tools. Students will engage in a cross-district, multi-school collaborative project focusing on the creation of a positive and sustainable web presence and digital profile. **Students may be eligible to obtain three (3) college credits from SUNY Stony Brook for the successful completion of this course.**

**Business Applied Math****3004****Level of Student: Grades 10-12****No. of Credits: 1.0****Prerequisite: Algebra**

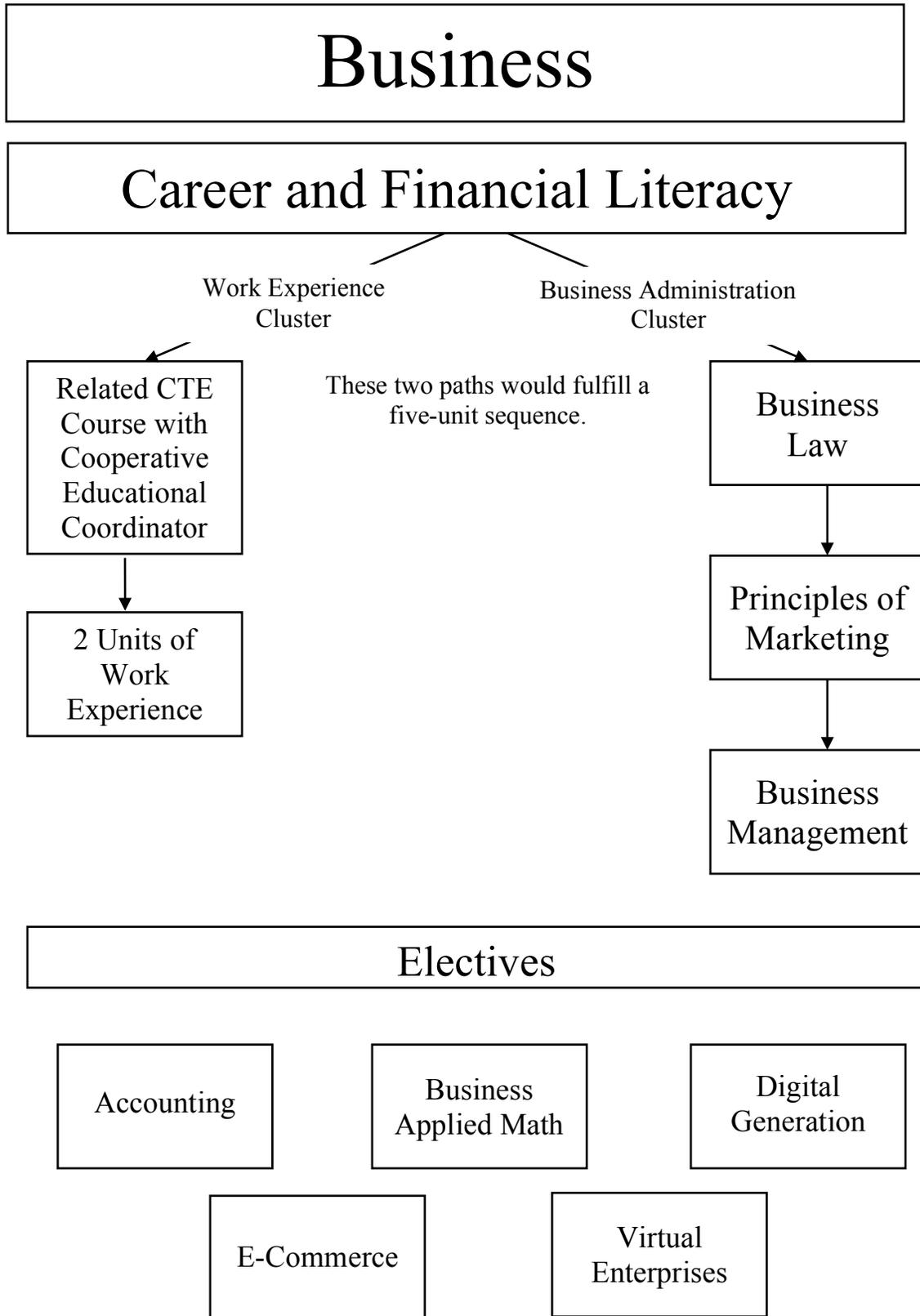
Business Math is a one (1) credit specialized interdisciplinary business math course. Students may take this course for a math or business elective credit. This course is designed to assist students in understanding the complex financial world they will encounter in their lives. Students will be prepared for roles as entrepreneurs, business leaders, and employees by developing skills and abilities that are part of the business environment. The content includes mathematical operations, banking and finance and financial management through simulations, Internet research, and realistic business experiences. **Students may be eligible to obtain three (3) college credits from SUNY Farmingdale for the successful completion of this course.**

**Virtual Enterprises****0640****Level of Student: Grades 11-12****No. of Credits: 1.0****Prerequisite: 1.0 credit in Business**

Virtual Enterprises International is an in-school entrepreneurship program and global business simulation. This is a student-centered course in which the teacher serves as a facilitator as the students develop a simulated business to compete with other high schools throughout the world in the online Virtual Enterprises marketplace. The simulated business will replicate all of the functions and demands of a real business in both structure and practice, including product development, production, distribution, marketing, sales, human resources, finance, and accounting. As “employees” of the virtual business, students are accountable for their company’s management and performance. Through a web-based banking system that connects over 5,000 student-run businesses in 40 countries, VEI students experience the expectations of the global economy and find new solutions to drive business results by trading across industries, borders and cultures. Students are responsible for conducting market research, developing business plans, creating annual reports, analyzing risks and returns, paying wages and taxes, maintaining 401(k) plans, preparing professional marketing materials, and communicating with customers and investors. Students may take this course for two consecutive years; in both their junior and senior years. **Students may be eligible to obtain up to nine (9) college credits from SUNY Farmingdale for the successful completion of this VE I & VE II (6 college credits available for VE I and 3 additional college credits available for VE II).**

**SUNY Farmingdale University in a High School Program****Level of Student: Grades 9-12****No. of Credits: 3.0 college credits****Prerequisite: 9<sup>th</sup> and 10<sup>th</sup> grade students require a recommendation letter from their business teacher**

The University in the High School program enables qualified high school students to earn college credit for approved courses offered in their own school. Ninth and tenth grade students require a recommendation letter from their business teacher stating that they are capable of successfully completing the college level course. Students who register with Farmingdale State College and successfully complete the course will be eligible to earn undergraduate college credits. Credits will be recorded on an official SUNY Farmingdale transcript and can either be used to pursue a degree at SUNY Farmingdale or a transcript can be sent to any other college the student wishes to attend. The cost of this program is \$140 per 3 credit course, payable directly to SUNY Farmingdale. If a student receives free or reduced lunch, the cost is reduced by 50% to \$70 for 3 credits.





## ENGLISH

### English 9

0101

**No. of Credits: 1.0**

**Prerequisite: None**

The **central theme** for English 9 is **Decisions, Actions and Consequences**. This theme will set the tone for an academic year that provides students with many opportunities for reading, writing, listening, and speaking about ideas related to this theme. Students will develop writing skills through free writing, reflection, poetry, and Regents style essays. Vocabulary, comprehension, grammar, and reading skills will be stressed throughout the year.

### AP Seminar

0102

**No. of Credits: 1.0**

**Prerequisite: English 9 and admission is dependent upon previous academic achievement, teacher recommendation, counselor input and student choice**

This foundational course provides students with opportunities to think critically and creatively, research, explore, pose solutions, develop arguments, collaborate, and communicate using various media. Students explore real-world issues through a cross-curricular lens and consider multiple points of view to develop deep understanding of complex issues as they make connections between these issues and their own lives. This course is aligned with the Common Core State Standards. Successful completion of this course fulfills the English 10 requirement and qualifies students to take AP Research in grade 11. Students who earn scores of three or higher in AP Seminar, AP Research, and four additional AP courses will be awarded an AP Capstone Diploma from College Board.

### College Board AP Capstone Program

AP Capstone is a new diploma program being offered by the College Board. Westhampton Beach High School is one of a select group of schools invited to offer this unique program beginning in the 2016-2017 school year. The AP Capstone Program consists of AP Seminar (grade 10) and AP Research (grade 11). Students who earn AP scores of 3 or higher in AP Seminar, AP Research, and four additional AP exams will earn the AP Capstone Diploma from College Board. The course requirements in AP Seminar and AP Research are substantial and are outlined below.



**English 10****0102****No. of Credits: 1.0****Prerequisite: English 9**

The **theme** of **Individual and Society** is explored through readings of short stories, poetry, plays, novels, biographies, and essays. Grammar skills and vocabulary development are geared to the demands of college entrance testing and Advanced Placement English classes.

**English 11****0103****No. of Credits: 1.0****Prerequisite: English 10**

The central **theme** of English 11 is **Innocence and Experience**. Topics will include reading various genres including short stories, poetry, novels, and plays. Over the course of the year there will be many opportunities for reading, writing, public speaking and Regents writing related to this theme. At the end of the year students will take the New York State Common Core English Regents Exam to prove their proficiency in English.

**Advanced Placement (AP) Language and Composition****0139****No. of Credits: 1.0**

**Prerequisite: English 10 and admission is dependent upon previous academic achievement, teacher recommendation, counselor input and student choice**

Students may earn college credit for this class, which focuses on analysis of the basic rhetorical modes, using predominantly non-fiction essays from the 18th century to the present. Intense study of English grammar and usage is included, and the major literary works from the English 11 curriculum are also covered. Students will take the AP Language exam in May, the Common Core English Regents in June.

**English 12****0155****No. of Credits: 1.0****Prerequisite: English 11**

This course explores the **theme** of **The Journey** of men and women in classical plays, short stories, poetry, memoirs, novels, and films. In addition to analyzing fiction and non-fiction, students will compare and contrast their own journeys to those they studied. Using a variety of resources, students will prepare a personal essay for their college applications, create an autobiographical poem, write a research paper, and deconstruct media.

**Advanced Placement (AP) Literature****0105****No. of Credits: 1.0**

**Prerequisite: English 11 and admission is dependent upon previous academic achievement, teacher recommendation, counselor input and student choice**

This course focuses on the critical analysis of poetry and fiction. Students will explore classic literature from the Ancient World through the Modern period in order to understand that the greatest of writers have used their imagination to shed light on our human condition: they have shown how to understand the world, and our place in the world; they have illuminated the darkest struggles, and they have given us models for what it means to live nobly. The course is designed to give a deeper appreciation for the power of language to communicate ideas and emotions, and to help students become more critical readers and a more sophisticated writers.

**History of Rock & Roll****0154****Level of Student: Grades 10-12****No. of Credits: 1/2****Prerequisite: None**

This course traces the history of rock & roll from its roots to present day styles. Students will become familiar with landmark music and movements of different periods, and consider the social, political and technological influences that shaped the music. Students will also explore connections between modern music and the artists from the past who have paved the way for the music of today. To complement the listening experience, students will view live performances and documentaries, examine a variety of lyrics, and survey the lives and contributions of significant musical artists in order to broaden the understanding of musicians as poets, innovators, icons, and activists.

**Broadcast Journalism****0119****Level of Student: Grades 11-12****No. of Credits: 1.0****Prerequisite: None**

This course is an introduction to the fundamentals of video production and focuses on the skills needed to produce a television news program. Emphasis is on the function and operation of equipment to achieve basic broadcast production skills. Students in this course also contribute to production of the school television news show, *The Hurricane Watch*. This course is recommended for students planning to enter the fields of communications or journalism.

**Broadcast Journalism II****0120****Level of Student: Grade 12****No. of Credits: 1.0****Prerequisite: Broadcast Journalism I**

This course is for veterans of the Broadcast Journalism I class. Focus of the course is on production and advanced editing techniques. Students in this course also contribute to production of the school television news show, *The Hurricane Watch*.

**Journalism****0114****Level of Student: Grades 10-12****No. of Credits: 1.0****Prerequisite: None**

This course focuses on the skills needed to be a journalist. Students analyze and write various types of newspaper articles. Students will study graphic design, photography, copy-editing, news literacy, writing improvement and censorship in a workshop setting. Students in this course also contribute to production of the school newspaper, *The Hurricane Eye*.

**Creative Writing** 0115**Level of Student: Grades 10-12****No. of Credits: 1/2****Prerequisite: None**

This class explores the craft of writing using a variety of writing exercises. Using specific models, students will study elements of good writing (establishing voice, creating setting, character, dialogue, etc.) and practice those elements in short and long pieces. Through writing fiction, personal narrative, and poetry, students will become accomplished practitioners of the writing craft.

**Public Speaking** 0116**Level of Student: Grades 10-12****No. of Credits: 1/2****Prerequisite: None**

Since effective communication skills may be the most important skills you can acquire, this course is an excellent way to prepare for success in college and the workplace. Learn how to present yourself and your ideas with confidence as you practice these skills through a variety of public speaking presentations. This course covers all aspects of effective public speaking, including topic selection, development, organization, style, and delivery. You will also learn how to use technology effectively to enhance your presentations.

**ENL (English as a New Language)** 1500, 1507**Level of Student: Grades 9-12** 1506**No. of Credits: 1.0****Prerequisite: None**

English as a Second Language is required for non-native speakers of English who have limited proficiency in the language. There are three levels: Beginning, Intermediate and Advanced. Placement is determined by a New York State standardized English language assessment test in listening, speaking, reading and writing. Small group instruction enables students to develop skills quickly so they can function independently in their academic classes.

**Junior Seminar** 0117**Level of Student: Grade 11****No. Of Credits: 1/2****Prerequisite: None**

Improve test-taking skills on college entrance examinations through this survey course in vocabulary development, critical reading and mathematics.



## English

English 9

AP Seminar  
or  
English 10

English 11 AP Language and  
Composition  
or  
English 11

AP Literature  
or  
English 12

Electives

History of  
Rock and Roll

Public  
Speaking

Journalism

Broadcast  
Journalism I

Creative  
Writing

Junior  
Seminar

Broadcast  
Journalism II



**HEALTH AND PHYSICAL EDUCATION****Health****1401****Level of Student: Grades 9-12****No. of Credits: 1/2****Prerequisite: None**

This course is designed to discuss important health issues that will contribute to wellness and happiness. Topics include disease prevention, alcohol and drug education, wellness, human sexuality, environmental and community health issues, safety and first aid.

**CPR/First Aid****1018****Level of Student: Grades 10-12****No. of Credits: 1/2****Prerequisite: None (This course does not fulfill the Health requirement)**

This course will offer students the opportunity to save the life of a loved one, friend or fellow citizen in our community who is in need of emergency care. Upon completion of this course, students will receive certification and become fully trained in CPR through the American Heart Association and First Aid through the American Safety and Health Institute.

**Introduction to Sports Medicine****1025****Level of Student: Grades 10-12****No. of Credits: 1/2****Prerequisite: First Aid/CPR (does not fulfill the Health requirement)**

This course will offer students the opportunity to evaluate, prevent and rehabilitate sports-related injuries. In addition, students will be able to identify career opportunities and understand the educational requirements and job responsibilities of health care professionals. **Students can earn three undergraduate college credits through Adelphi University's concurrent high school program by earning a grade of "C" or better. The instructor will provide more information about this option.**

**Physical Education****1190****Level of Student: Grades 9-12****No. of Credits: 1/2****Prerequisite: None**

This course will focus on students achieving an active and healthy lifestyle and will incorporate New York State Learning Standards. Students will be engaged in team and individual sports and all other related activities.



## Physical Education

### Fall

Over the Line

Soccer

Football

Ultimate  
Frisbee

Capture the  
Flag

Capture the  
Football

Capture the  
Dodge Ball

Castleball

### Winter

Omnikin

Volleyball

Basketball

VHL

Yoga

Weight  
Room

Fitness  
Center

Tchoukball

### Spring

Tennis

Chicago  
Softball

Outdoor  
Yoga

Disc Golf

Team  
Handball

**MATHEMATICS****Algebra I****0314****Level of Student: Grade 9****No. of Credits: 1.0****Prerequisite: None**

This course is the first of three NYS Regents math courses. Students will be expected to master algebraic techniques and vocabulary. A major component of the course is problem solving and the application of algebra in other disciplines. The Algebra regents exam will be administered in June.

**Geometry****0315****Level of Student: Grades 9-10****No. of Credits: 1.0****Prerequisite: Algebra**

This course is an integrated approach to the study of geometric relationships – integrating synthetic, transformational and coordinate approaches to geometry. Students will justify, by informal proof, formal proof and problem solving, geometric relationships and geometric properties. Geometry is meant to lead student to understand that reasoning and proof are fundamental aspects of mathematics. At the conclusion of this class students will take the Geometry regents examination. This course includes an alternating day lab period to cover common core curriculum.

**Algebra II****0384****Level of Student: Grades 10-11****No. of credits: 1.0****Prerequisite: Geometry**

This is the third course in the New York State Regents mathematics program. Topics include: Complex numbers, sequences and series, quadratic and radical equations, function notation and transformations, polynomial functions, logarithmic and exponential functions, unit circle trigonometry, trigonometric functions and graphs, Law of Sines and Cosines, trigonometric identities, trigonometric equations, permutations and combinations, descriptive statistics, binomial and geometric probability distributions, normal distributions, linear and non-linear regression models. Students will take the Algebra II Regents in June.

**Intermediate Algebra****0379****Level of Student: Grades 10-12****No. of Credits: 1.0****Prerequisite: Geometry with teacher recommendation**

This is a course designed to prepare the student for a standard College Level Math requirement. It will also allow students to gain a better understanding of Algebra in order to move on to Algebra II. This will put students in position to attain an Advanced Regents Diploma. Topics include algebra, geometry, matrices, probability theory, and statistics.

**Trigonometry Applications** 0302**Level of Student: Grades 10-12****No. of Credits: 1.0****Prerequisite: Intermediate Algebra**

This course will focus on real-world applications of trigonometry. Content will include right triangle trig, the unit circle, graphing, identities and equations.

**Probability and Statistics** 3008**Level of Student: Grade 11-12****No. of credits: 1.0****Prerequisite: Geometry**

This course will explore collecting, organizing, analyzing and interpreting statistical data. Students will see how statistics are used to picture, describe, and make informed decisions about real world problems.

**Business Applied Math** 3004**Level of Student: Grades 10-12****No. of Credits: 1.0****Prerequisite: Algebra**

Business Math is a one (1) credit specialized interdisciplinary business math course. Students may take this course for a math or business elective credit. This course is designed to assist students in understanding the complex financial world they will encounter in their lives. Students will be prepared for roles as entrepreneurs, business leaders, and employees by developing skills and abilities that are part of the business environment. The content includes mathematical operations, banking and finance and financial management through simulations, Internet research, and realistic business experiences.

**Advanced Functions** 0322**Level of Student: Grades 11-12****No. Of Credits: 1.0****Prerequisite: Algebra II**

This course builds on the work and modeling in Algebra II in preparation for AP Calculus. Topics include: piecewise functions, nth degree polynomial equations, rational functions, exponential functions, logarithmic functions, trigonometric functions, logistic functions, optimization problems, limits, and continuity. The foundations of the derivative and the Riemann Sum and their interpretations are established at the end of the course.

**Advanced Placement (AP) Calculus AB** 0320**Level of Student: Grade 11-12****No. of Credits: 1.0****Prerequisite: Advanced Functions or teacher recommendation**

This course is designed for a high school student to earn possible college credit through examination. Calculus focuses on the understanding of limits, derivatives and integrals, and the ability to find them. These concepts are applied to a variety of functions which include rational, trigonometric, inverse trigonometric, logarithmic, and exponential functions.

**Advanced Placement (AP) Calculus BC****0378****Level of Student: Grade 12****No. of Credits: 1.0****Prerequisite: Advanced Functions or teacher recommendation**

Calculus BC includes all Calculus AB topics in addition to several additional calculus topics such as parametric, polar, vector functions and their derivatives, L'Hospitals' rule, improper integrals, polynomial approximations and series.

**Advanced Placement (AP) Statistics****0349****Level of Student: Grades 11-12****No. of Credits: 1.0****Prerequisite: Algebra II**

This course is designed for a high school student to earn possible college credit through examination. Statistics is the science of summarizing and drawing conclusions from the data collected by researchers. Professionals in such diverse fields as economics, engineering, sociology, education, business management, and virtually all the sciences rely on statistics to make important decisions about their work. Consequently, statistics is the math course most often required of college students.

**Advanced Placement (AP) Computer Science****0308****Level of Student: Grades 10-12****No. of credits: 1.0****Prerequisite: Java Programming or successful completion of Algebra II**

This course is designed for programming in Java. Problem solving and algorithm design will be emphasized. Topics include basic computer programming concepts of input, output, conditionals, looping, functions, sorting, searching, advanced data structures and object oriented programming. The programming language used will be Java.

**Discrete Mathematics****3007****Level of Student: Grade 12****No. of Credits: 1.0****Prerequisite: Advanced Functions**

Successful completion of this college level course results in three (3) college credits from St. John's University, which are transferable to most colleges throughout the nation. This course will explore the use of technology connections in the real world of mathematics. Themes in Discrete Mathematics include: logic, sequences and series, algorithmic thinking, induction and recursion, number theory, and discrete probability.

**Introduction to Java Programming****0312****Level of Student: Grades 9-12****No. of Credits: 1/2****Prerequisite: None**

This elective math course is designed for students considering a technical career or students who simply enjoy working with computers. Students will design and implement original programs involving business and game applications.



**Fundamentals of Pre-Calculus**

**3009**

**Level of Student: 11-12**

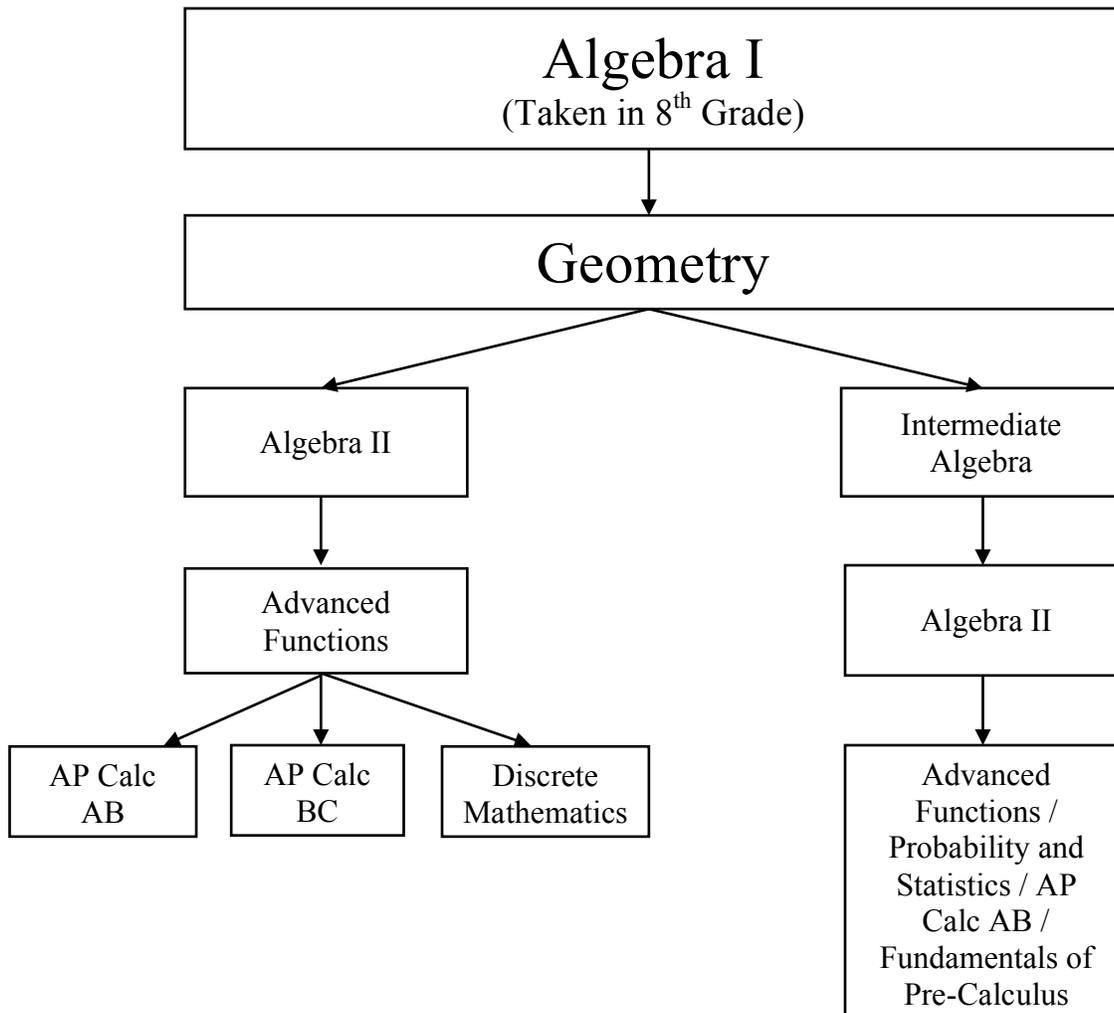
**Prerequisite: Algebra II**

**No. of Credits: 1.0**

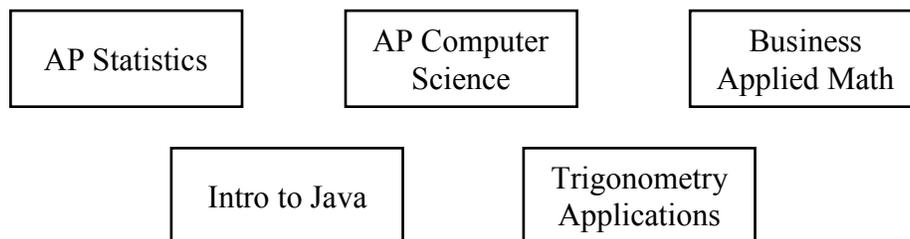
Successful completion of this college level course results in four (4) college credits from Suffolk County Community College, which are transferable to most colleges throughout the nation. Topics studied in this course include zeros and graphs of polynomial functions, graphs and asymptotes of rational functions, exponential and logarithmic functions, introduction to trigonometry, angle measurement, right triangle trigonometry, properties and graphs of trigonometric functions.



## Math



## Electives



**MUSIC****Concert Band****0983****Level of Student: Grades 9-10****0980 A/B****No. of Credits: 1.0****Prerequisite: Previous band experience or the director's approval**

Band members have an opportunity to perform concert and chamber music from various musical periods and at varying degrees of difficulty. Band members are required to perform at concerts and music festivals. Students are required to attend one instrumental lesson per week.

**Symphonic Band****0982****No. of Credits: 1.0****0986 A/B****Level of Student: Grades 11-12**

**Prerequisite: Concert Band or the director's approval. Additionally, 10<sup>th</sup> grade students may be considered if they scored an A+ (97) or above on a level 6 instrumental NYSSMA solo in their 9<sup>th</sup> grade year and have the director's/coordinator's approval**

Band members have an opportunity to perform concert and chamber music from various musical periods and at varying degrees of difficulty. Band members are required to perform at concerts and music festivals. This is an advanced performing group that performs challenging music from the best band literature. Students are required to attend one instrumental lesson per week.

**Concert Choir****0979****Level of Student: Grades 9-10****0981 A/B****No. of Credits: 1.0****Prerequisite: Previous Choral experience or the director's approval**

Enjoy the satisfaction of participation in group choral presentations; increase your general musicianship, and appreciation for music through participation in chorus. Students are required to attend one choral lesson every other week.

**Symphonic Choir****0985****No. of Credits: 1.0****0984 A/B****Level of Student: Grades 11-12****Prerequisite: Concert Choir or the director's approval**

Enjoy the satisfaction of participation in group choral presentations; increase your general musicianship, and appreciation for music through participation in chorus. This is an advanced chorus which performs challenging music from the best choral literature. Students are required to attend one choral lesson every other week.

**Music Theory and Aural Skills****0932****Level of Student: Grades 10-12****No. of Credits: 1.0****Prerequisite: Student must demonstrate music literacy**

This course is for students seeking a thorough understanding of music theory. Emphasis placed on all scales, meters, intervals, chords, and their inversion and students will be introduced to four-part writing and basic musical forms.



**Advanced Placement (AP) Music Theory**

**0933**

**Level of Student: Grades 11-12**

**No. of Credits: 1.0**

**Prerequisite: Music Theory and Aural Skills I**

This class will have an in-depth study of four-part writing utilizing seventh chords, secondary dominants, leading tone dominants and their resolutions. Also includes modulation, non-harmonic tones and cadences and creation of a four-part musical phrase from a given melody or bass line. Students in this class will be preparing for the AP Music Theory exam in the spring.

**Theater Arts**

**0904**

**Level of Student: Grades 10-12**

**No. of Credits: 0.5**

**Prerequisite: None**

This course provides opportunities for students to explore theater skills and techniques, and touches on important aspects of acting, theater history, dramatic criticism, and stagecraft. Through lecture, projects, monologue, and scene work, this performance-based class will emphasize the basics of acting, including characterization, intention, movement, given circumstances, and conflict. Additional studies may include musical theatre, technical theatre and theatre critique.

**SCIENCE**

**\*NEW YORK STATE EDUCATION DEPARTMENT LABORATORY REQUIREMENT:** The State Education Department requires that students complete a minimum of 1200 minutes, write satisfactory reports for each lab exercise and demonstrate lab proficiency before being permitted to sit for any Science Regents examination, (Earth Science, Living Environment, Chemistry and Physics). In addition, the following Regents examination prerequisites pertain to these specific courses: Earth Science Performance Test; Living Environment NYSED required lab activities and reports completed satisfactorily.

**The Physical Setting/ Earth Science****0426****Level of Student: Grade 9****No. of Credits: 1.0****Prerequisite: None**

What forces produce mountains? Why is our daily weather so variable? Is climate really changing? How old is the earth and how is it related to the other planets of the solar system? The understanding of our planet is critical to our social well-being and vital to our survival. The Physical Setting/Earth Science will examine these concepts through the study of topics related to earth processes, meteorology, astronomy, energy cycles and geology. The course will emphasize laboratory observation and analysis/interpretation of data. Evaluation will include class work homework, lab work and written reports, quizzes, and tests. A final Regents Exam will be given. The Regents Examination commences with the Performance Test. Failure to take the Performance Test will make the student ineligible for the written Regents exam.

**The Living Environment/Biology****0428****Level of Student: Grades 9-10****No. of Credits: 1.0****Prerequisite: Earth Science**

This broad survey course will provide a solid foundation in biological science. Topics include: biochemistry, cellular biology, plant and animal anatomy and physiology, reproduction and development, genetics, evolution and ecology. Working individually and in groups, students will be encouraged to think abstractly and analytically. Applications of concepts to real world problems will be emphasized. Good language skills and reading comprehension are expected. Evaluation will include class work, homework, laboratory work, written reports, quizzes and tests. A final Regents examination will be given.

**Advanced Placement (AP) Biology****0409****Level of Student: Grade 9****No. of Credits: 1.0****Prerequisite: Earth Science and admission is dependent on previous academic achievement, teacher recommendation, counselor input and student choice.**

The AP Biology curriculum is equivalent to a 2-semester introductory college biology course. Students will engage in inquiry-based learning of essential concepts to help foster the reasoning skills necessary to engage in the science practices used throughout their study of AP Biology. The course is organized around four underlying principles called the big ideas and they include: 1: The process of evolution drives the diversity and unity of life. 2: Biological systems utilize free energy and molecular building blocks to grow, to reproduce and to maintain dynamic homeostasis. 3: Living systems store, retrieve, transmit and respond to information essential to life processes. 4: Biological systems interact, and these systems and their interactions possess complex properties. Students will be prepared for the Advanced Placement Test and the SAT II Subject test in Biology.

**Physical Setting/Chemistry****0432****Level of Student: Grades 10-11****No. of Credits: 1.0****Prerequisite: Geometry**

Through lecture, discussion and laboratory experiences, students are introduced to the major topics of introductory chemistry. These include: matter and energy, atomic structure, bonding, periodic table, mathematics of chemistry, kinetics and equilibrium, acid base theories, redox and electrochemistry, and organic chemistry. Students should expect a substantial math component in these studies. A final regents exam will be given.

**Advanced Placement (AP) Chemistry****0411****Level of Student: Grades 11-12****No. of Credits: 1.0****Prerequisite: Chemistry, Algebra II. Admission is dependent on previous academic achievement, teacher recommendation, counselor input and student choice**

The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year. This includes an emphasis on college chemistry laboratory assignments and the analytical, writing skills necessary for college level lab write ups. Some topics covered in this course include structure and states of matter, and the kinetic theory of gases, chemical equilibria, chemical kinetics, the basic concepts of thermodynamics and descriptive chemistry. The emphasis of the course is on chemical calculations and the mathematical formulation of those principles involved. A minimum of five hours per week of self-directed reading and study is expected. This course, with a strong emphasis on math, is recommended for students pursuing careers in science, medicine, and engineering. Satisfactory completion of a summer assignment is required.

**Applied Chemistry** 0437**Level of Student: Grades 10-11****No. of Credits: 1.0****Prerequisites: Earth Science, Living Environment and Algebra**

This course will examine how chemistry touches our lives almost everywhere and every day: in medicine, our homes, the clothes we wear, the foods we eat, the games we play, and our environment. Areas of study include periodic table, atomic structure, bonding, chemical reactions, and gas laws, as well as the basic principles of chemistry. Mathematical principles and problem solving skills will be applied to many of the concepts covered in the course.

**Physical Setting/Physics** 0438**Level of Student: Grades 11-12****No. of Credits: 1.0****Prerequisite: Chemistry, Algebra II or concurrent enrollment**

Through a mix of whole group lecture and discussion and small group cooperative laboratory sessions, students are presented with the basics of mechanics, energy, wave phenomena, electricity, magnetism, and modern physics. Both classical and modern interpretations of physical processes are explained when appropriate. Evaluation includes tests, quizzes, class work, homework, and laboratory reports. Emphasis is placed on analytical solutions to problems. Students must be able to clearly describe their methodologies to solutions and justify their answers.

**Advanced Placement (AP) Physics 1** 0428**Level of Students: Grades 11-12****No. of Credits 1.0****Prerequisite: Geometry and Algebra II - completed or concurrently assigned and admission is dependent on previous academic achievement, counselor input and student choice**

AP Physics 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. Students will deal with these topics in a formal and highly analytical manner, therefore a significant amount of self-directed reading and study is expected. Students will complete the requirements to take the AP exam in May and the Physics Regents in June. This course is intended to provide deeper conceptual understanding through inquiry based learning in physics for students wishing to further their study in life sciences, pre-medicine, physics, mathematics, engineering, and various applied sciences.

Laboratory Requirement: 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.

**Environmental Science** 0445**Level of Student: Grades 11-12****No. of Credits: 1.0****Prerequisite: Earth Science, Living Environment and Chemistry**

Discover the relationship of the living and non-living portions of the biosphere. Learn about mans' relationship with the planet and of his responsibility as conservator of the living planet. Field investigations and labs, as well as a long term active research project, are integral parts of this course.

**Advanced Placement (AP) Environmental Science 0461****Level of Student: Grades 11-12****No. of Credits: 1.0****Prerequisite: Earth Science, Living Environment, Chemistry, and Physics (or concurrent enrollment) admission is also dependent upon previous academic achievement, teacher recommendation, counselor input and student choice**

This capstone course is equivalent to an environmental science course at the college level and is designed for students with motivation, creativity, and excellent reading skills. The goals of this course are to provide students with the scientific principles, concepts, and methodologies needed to understand the interrelationships between people and their environments, to identify and analyze environmental problems both natural and human made, to assess the risks associated with these problems, and to identify solutions for resolving or preventing them.

**Forensic Science 0452****Level of Student: Grades 11-12****No. of Credits: 1.0****Prerequisite: Living Environment and Chemistry**

Forensic Science is the application of science to the law. This survey course will cover such topics as fingerprints, trace evidence, body fluids, toxicology, bite marks, entomology, fiber analysis, DNA fingerprinting, and crime scene investigation. Students will be taught how forensic science is used every day. Case studies, lab activities, projects and papers will be required.

**Marine Science 0446****Level of Student: Grades 11-12****No. of Credits: 1.0****Prerequisite: Earth Science, Living Environment and Chemistry**

This course is designed to provide students with an understanding and appreciation for the inter-relationships among man, marine organisms and the physical environment. Topics discussed will include: geology, ecology, marine zones, reefs, estuaries, beaches, dunes, chemical and physical oceanography, evolution and human influences. Students will be required to attend field trips, complete research projects, maintain a marine aquarium, complete labs and homework assignments. Grades will be based on these requirements as well as tests and quizzes.

**Geology and Meteorology (The Science of Natural Hazards) 0453****Level of Student: Grades 10-12****No. of Credits: 1.0****Prerequisite: Earth Science, Living Environment and Chemistry**

This course will investigate the science behind natural hazards that are concerned with those processes that have direct and often sudden impacts on human society. Specific case studies will be examined. Topics to be covered include but are not limited to: hurricanes, earthquakes, tsunamis, volcanic eruptions, floods, blizzards, dust storms, coastal erosion, wildfires, tornadoes, climate change, landslides, avalanches, emergency preparedness and management, geology of Long Island, National Parks, Geographic Information System (GIS), natural resources, conservation, policy and law.

**Student Research Program [SRP]****0490, 0491****Level of Student: Grades 10-12****0492****No. of Credits: 1.0 (per year)**

This course offers students the chance to study and research topics they love. Students will have the opportunity to enter their research topics in competitions such as the Long Island Junior Science Congress, Long Island Science and Engineering Fair and the Long Island Junior Science and Humanities Symposium. Course instruction includes an emphasis on selecting a topic, conceptually developing the hypothesis through extensive digital resources and investigating literature reviews and bibliographic research. Students will learn to design, manage and conduct their own experiments to test their hypotheses. A major component of the course will prepare students to present their research findings, conclusions and recommendations through effective presentation software, poster and text formats. Students will be encouraged to connect and work independently with an outside mentor (university or professional laboratory setting). Specific benchmarks must be fulfilled each year to advance to the next level.

Due to the amount of work and dedication students must put towards this course, students will be awarded a weight upon the completion of their second and third years as indicated below.

- Year one: No weight will be added to the student's GPA.
- Year two: A weight of .15 will be added to the student's GPA.
- Year three: A weight of .30 will be added to the student's GPA.



## Science

		Earth Science (Taken in 8 <sup>th</sup> Grade)	
Grade 9	AP Biology	Living Environment	Living Environment
Grade 10	Chemistry Honors	Chemistry	Applied Chemistry
Grade 11	AP Chemistry	Physics/AP Physics 1	Physics/Science Elective
Grade 12	AP Physics 1	AP Biology/AP Environmental	Physics/Science Elective

The above are the more traditional pathways in obtaining an Advanced Regents Diploma, however, other options exist. Please speak with your counselor for alternative science programs. Additionally, please see all prerequisites for courses listed. \*

## Electives

Marine Science	Environmental Science	Forensics
Geology and Meteorology	Student Research Program	

**SOCIAL STUDIES****Global History and Geography I 0201****Level of Student: Grade 9****No. of Credits: 1.0****Prerequisite: Social Studies 8**

This is the first year of a two-year sequence course. A New York State Regents Exam is required at the completion of the second year. The course follows a general chronological approach. Major topics examined are: Early River Civilizations, Ancient Empires, Greek and Roman Civilizations, Regional Civilization, The Rise of Europe and the First Global Age.

**Advanced Placement (AP) World History Part I 0213****Level of Student: Grade 9****No. of Credits: 1.0****Prerequisite: Admission is dependent on previous academic achievement, teacher recommendation, counselor input and student choice**

This course will cover the Advanced Placement World History curriculum covering the period 8000 B.C.E. to 1450 C.E. in a survey format. Students will be expected to analyze and critique specific historical events. Essay writing skills will be emphasized along with the ability to analyze and critique bias and point of view in primary document sources. This course will serve as the first year of a two-year A.P. World History program.

**Global History and Geography II 0222****Level of Student: Grade 10****No. of Credits: 1.0****Prerequisite: Global History and Geography I**

Students will continue in a chronological approach for the second year of this two-year course. A Regents examination at the end of the course will cover both years. Major topics examined are: The Enlightenment, Revolutions, Industrial Age, Imperialism and the events of the 20<sup>th</sup> Century.

**Advanced Placement (AP) World History Part II 0233****Level of Student: Grades 10-12****No. of Credits: 1.0****Prerequisite: Admission is dependent upon previous academic achievement, teacher recommendation, counselor input and student choice**

The AP World History course introduces motivated students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which we live. The course offers a balanced global coverage. Students will trace major historical issues like gender relations, cultural and economic shifts, and imperialism over the course of the last thousand years. The course requires that students focus on broad conceptual themes. Considerable attention will be paid to developing writing and interpretive skills for test essays and for research

**United States History and Government****0203****Level of Student: Grade 11****No. of Credits: 1.0****Prerequisite: Global History and Geography II**

Students study U.S. Government and how it functions along with the history of the United States chronologically from 1865 to the present; factual information is stressed along with the causes of events and outcomes in our history. Students take the American History and Government Regents examination at the conclusion of this course.

**Advanced Placement (AP) American History****0205****Level of Student: Grades 11-12****No. of Credits: 1.0****Prerequisite: Admission is dependent upon previous academic achievement, teacher recommendation, counselor input and student choice**

In this college-level course students study the entire scope of American history in preparation for the Advanced Placement examination. At the conclusion of this course, students take the Regents in American History and Government as well.

**Advanced Placement (AP) Modern European History****0219****Level of Student: Grades 10-12****No. of Credits: 1.0****Prerequisite: Admission is dependent upon previous academic achievement, teacher recommendation, counselor input and student choice**

In this college-level survey course, students study European History from the Renaissance to the fall of communism in Eastern Europe in preparation for the Advanced Placement Examination taken at the conclusion of the course. Students who have not taken the Global History Regents Exam will be required to do so.

**Participation in Government****0211****Level of Student: Grade 12****No. of Credits: 1/2****Prerequisite: U.S. History and Government**

This is a research based course that focuses on five central themes: Purposes and Principles of Government, Citizenship, The Constitution, the role of Mass Media and Public Policy. After thoroughly researching a contemporary American political issue and the existing public policy, students are required to complete a final paper proposing their own public policy solution to the aforementioned issue.

**Economics****0212****Level of Student: Grade 12****No. of Credits: 1/2****Prerequisite: U.S. History and Government**

From personal income and property taxes to automobile loans and retirement investments, students will need to apply the basic economic concepts and skills included in this course. An understanding of basic economic concepts such as supply and demand, the business cycle and economic growth will enable students to analyze local, state, national and international economic questions and issues.

**Advanced Placement (AP) Economics****0228****Level of Student: Grade 12****No. of credits: 1.0****Prerequisite: Admission is dependent upon previous academic achievement, teacher recommendation, counselor input and student choice**

This is a college level economics course that will prepare students for the AP test in macroeconomics. This course satisfies the economics and government requirement for graduation by the State of New York. Students in the full year course will take an in depth look at the basic themes essential to all economics courses such as scarcity, opportunity costs, the structure of the U.S. economy, demand, supply and market equilibrium, the price system and market elasticity. Students interested in this course should have a strong background in mathematics.

**Advanced Placement (AP) Government****0223****Level of Student: Grade 12****No. of credits: 1.0****Prerequisite: Admission is dependent upon previous academic achievement, teacher recommendation, counselor input and student choice**

The AP course in Comparative Government and Politics introduces students to fundamental concepts used by political scientists to study the processes and outcomes of politics in a variety of country settings. The course is designed to provide the tools for mastery of the AP Exam. Six nations will be studied in depth to prepare for the exam in the Spring: Great Britain, China, Russia, Iran, Mexico, and Nigeria. Students will be expected to compare and contrast the six nations within a thematic framework. This course satisfies the government and economics requirement for graduation by the State of New York.

**The 1960's****0200****Level of Student: Grades 11-12****No. of Credits: 1/2****Prerequisite: None**

A micro-history course that takes an in-depth look at the chaotic decade that changed the 20th Century. Students will be required to research, discuss, present oral reports, and debate topics such as: The Vietnam War, Anti-War Movement, Women's Movement, Civil Rights Movement, Political Elections, and Foreign Policy Crises.

**Psychology****0208****Level of Student: Grades 10-12****No. of Credits: 1/2****Prerequisite: None**

In this course, students will gain an understanding of the complexities of human behavior. Students will explore biological and social influences on human emotions, relationships and mental experiences. This course is an excellent preparation for college study in the social sciences.

**Advanced Placement (AP) Psychology****0207****Level of Student: Grades 10-12****No. of Credits: 1.0****Prerequisite: None**

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice.

**Military History: The Study of The American Revolution, The Civil War and World War II****Level of Student: Grades 11-12****0254****No. of Credits: 1/2****Prerequisite: None**

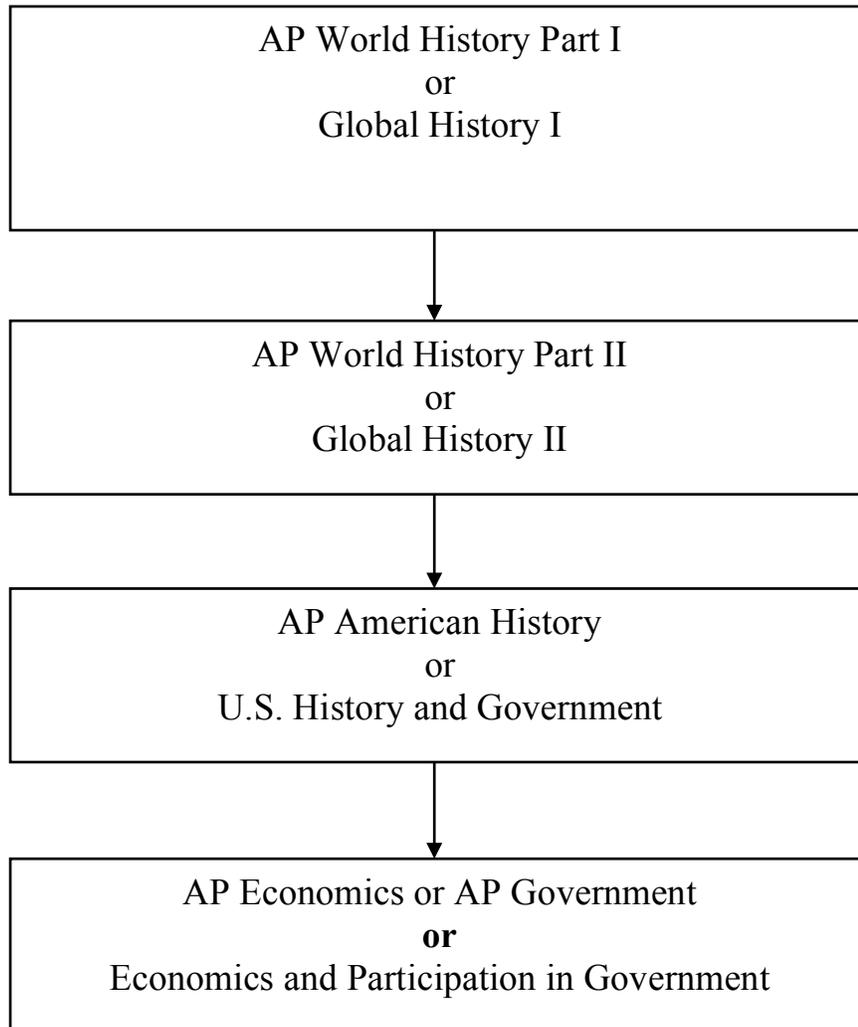
This course is a military, political and social examination of three of the most important events in American History. The primary goal is to examine the military history of the United States and how it influenced political and social aspects of life. Students will examine the art, music and entertainment of the period and read contemporary documents and literature of these events.

**Sociology 101****0238****Level of Student: Grade 12****No. of Credits: 1/2****Prerequisite: Any college bound senior who has an average of 80 or higher**

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. This course is designed as an analytic, skills-based introduction to Sociology. The emphasis is on analytic reading and conceptual analysis. The approach to Sociology is to view it as an empirical social science. The readings are based on empirical research studies or are review articles of research in an area of sociological investigation. It is a writing intensive course. As the course progresses, students should obtain increasing skill in analytic reading and writing, sociological reasoning, empirical investigation, and in the ability to make empirical and conceptual generalizations about self and society in an increasingly global world. The grading criteria will conform with that established by Syracuse University. Students will be informed of that criteria during the first week of the semester. Tuition fees for three (3) credits from Syracuse University will be collected during the third week of the semester.



## Social Studies



## Electives

AP Modern  
European  
History

AP  
Psychology

Military  
History

The 1960's

Psychology

Sociology 101

**TECHNOLOGY****Design and Drawing for Production 1239****Level of Student: Grades 9-12****No. of Credits: 1.0****Prerequisite: None**

Learn the basics of drafting in this one-year course. Using AUTOCAD, students discover methods to reproduce drawings and sketches. This course is a must for students pursuing careers as architects, designers, engineers and technicians. May be used by all students toward the fine arts credit requirement.

**Computer Aided Drafting I (CAD) 1225****Level of Student: Grades 10-12****No. of Credits: 1/2****Prerequisite: Design and Drawing for Production**

Use state of the art technology to make two-dimensional drawings using the computer. Students have the opportunity to see their drawings progress from the computer to actual objects made in our Principles of Technology class. Students will focus on the use of the AUTOCAD software.

**Principles of Technology 0400****Level of Student: Grades 10-12****No. of Credits: 1/2****Prerequisite: Grade 10 with teacher recommendation**

This course is designed to explore the new and emerging technology used in the wood and metal working fields. Throughout the course students will explore the technology used in manufacturing furniture, and other wood products. They will also explore areas of welding, milling machine and lathe technologies. Students will have the opportunity to design and construct individual projects. Related job skills and employment opportunities are examined throughout the course.

**Robotics 1228****Level of Students: Grades 9-12****No. of Credits 1/2****Prerequisite: None**

This course presents an overview of robotics with topics including vision, motion planning, mobile mechanisms, kinematics, inverse kinematics, and sensors. In course projects, students construct robots which are driven by a microcontroller, with each project reinforcing the basic principles developed in lectures. Students will complete projects in which they will design and build a robot that completes certain tasks. A must for students interested in engineering or related fields

**Introduction to Auto Mechanics 1231****Level of Student: Grades 10-12****No. of Credits: 1/2****Prerequisite: None**

Be an informed car owner. Gain knowledge of small engine and automobile engine tune up and trouble shooting. Explore and develop special interests.

**Web Design****0647****Level of Student: Grades 9-12****No. of Credits: 1/2****Prerequisite: None**

Put your technology skills to the test. This unique and challenging course provides a more advanced level of instruction for talented students who have demonstrated exemplary skills and a sincere interest in advancing knowledge in computer technology. Students will become active participants in the creation of a dynamic, state of the art internet page for the Westhampton Beach School community, and cyberspace partners whenever possible. Students will learn to assume leadership roles, implement creative ideas, and work with the latest in cutting edge technology. Topics to be covered include: HTML programming, Internet applications, elements of web page design and construction.

**Introduction to Animation and Game Development****Level of Students: 9-12****No. of Credits: 1.0****Prerequisite: None**

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 transferrable to most colleges throughout the nation. This course offers a highly visual, non-mathematical introduction to computing and computer programming. Our vehicle is the Alice development environment, which allows students without prior experience to rapidly create 3D virtual worlds like those seen in video games. Students will choose environments, populate them with features, creatures and sounds, and animate these elements in simulated three-dimensional space to tell stories, play games, give interactive instructions, etc. Students work in a small team creating virtual worlds for assignments and a final project, learning the principles of computer programming in the process. This course will aim to improve skills in exact thinking, analysis/design, and problem-solving, while providing an enjoyable path to more formal study of computing and programming. Tuition fees for three (3) credits from Syracuse University will be collected directly from Syracuse during the first semester.

**Advanced Placement (AP) Computer Science Principles****7012****Level of Students: 9-12****No. of Credits: 1.0****Prerequisite: None**

What is computer science? How can computing change the world? Engage your creativity, demonstrate and build your problem solving ability and see how computer science connects to our society. This course emphasizes the content, practices, thinking and skills central to the discipline of computer science. Students will create apps for mobile devices, automate tasks in a variety of languages, find patterns in data, and interpret simulations while building awareness of the tremendous demand for computer specialists and for professionals in all fields who have computational skills.



Students may earn a five-credit sequence in technology by taking the following courses:

## Technology

Design and Drawing for Production  
1.0 credit



Principles of Technology  
0.5 credit



Additional Electives  
3.5 credits

## Technology Electives

Computer Aided  
Drafting

Robotics

Intro to Auto  
Mechanics

Web Design

AP Computer  
Science Principles

Intro to Animation  
and Game  
Development

**World Languages****French I 0501****Level of Student: Grades 9-12****No. of Credits: 1.0****Prerequisite: None**

This course covers the New York State curriculum for Checkpoint A. It prepares students for the French Language Proficiency Exam.

**French II 0502****Level of Student: Grades 9-12****No. of Credits: 1.0****Prerequisite: French I**

This sequential language course focuses on the development of speaking, listening, reading, and writing skills. The course of study is strongly recommended for students pursuing a four-year college education.

**French III 0503****Level of Student: Grades 10-12****No. of Credits: 1.0****Prerequisite: French II**

This course emphasizes vocabulary building and grammar review. Enrichment is provided in the areas of reading and listening comprehension, speaking skills and cultural knowledge. Language skills are refined and complex grammatical patterns are learned. French III prepares students for the Comprehensive Examination at the conclusion of the year. This course is required for an Advanced Designation Regents Diploma.

**French IV 0504****Level of Student: Grades 11-12****No. of Credits: 1.0****Prerequisite: French III**

This course continues the study of French. Students will gain fluency and master composition through the study of French literature and culture. This course is strongly recommended for students pursuing a four-year college education.

**French IV Honors 0524****Level of Student: Grades 11-12****No. of Credits: 1.0****Prerequisite: Admission is dependent upon previous academic achievement, teacher recommendation, counselor input and student choice**

This course is designed to help prepare students for the Advanced Placement course and language exam given the following year. The emphasis will be on advanced conversation, mastery of grammatical structures, study of literature, and development of writing skills.

**French V****0505****Level of Student: Grades 11-12****No. of Credits: 1.0****Prerequisite: French IV**

This course continues the study of French. Students will gain fluency and master composition through the study of French literature and culture. This course is strongly recommended for students pursuing a four-year college education.

**Advanced Placement (AP) French Language and Culture****0525****Level of Student: Grades 11-12****No. of Credits: 1.0****Prerequisite: Admission is dependent upon previous academic achievement, teacher recommendation, counselor input and student choice**

This course emphasizes the development of speaking and writing through an exposure to a wide range of reading experiences. This course curriculum is on an advanced college level. This course culminates with the AP exam in French Language.

**Spanish I****0513****Level of Student: Grade 9****No. of Credits: 1.0****Prerequisite: Spanish IA ( or equivalent and counselor recommendation)**

This course covers the New York State curriculum for Checkpoint A.

**Spanish II****0507****Level of Student: Grades 9-12****No. of Credits: 1.0****Prerequisite: Spanish I**

This sequential language course focuses on the development of speaking, listening, reading, and writing skills. The course of study is strongly recommended for students pursuing a four-year college education.

**Spanish III****0508****Level of Student: Grades 10-12****No. of Credits: 1.0****Prerequisite: Spanish II**

This course emphasizes vocabulary and grammar review. Enrichment is provided in the areas of language skills, reading and listening comprehension, speaking skills and cultural knowledge. Language skills are refined and complex grammatical patterns are learned. This course prepares students for the Comprehensive examination at the conclusion of the year. This course is required for an Advanced Designation on a Regents Diploma.

**Spanish IV****0509****Level of Student: Grades 11-12****No. of Credits: 1.0****Prerequisite: Spanish III**

This course continues the study of Spanish. Students will gain fluency and master composition through the study of Hispanic literature and culture. This course is strongly recommended for students pursuing a four-year college education.

**Spanish IV Honors****0515****Level of Student: Grades 11-12****No. of Credits: 1.0****Prerequisite: Admission is dependent upon previous academic achievement, teacher recommendation, counselor input and student choice**

This course is designed to help prepare students for Advanced Placement Spanish offered the following year. Emphasis will be placed on advanced conversation, mastery of grammatical structures, study of literature, and development of writing skills.

**Spanish V****0514****Level of Student: Grades 11-12****No. of Credits: 1.0****Prerequisite: Spanish IV**

This course further expands the study of Spanish. Emphasis is placed on speaking and listening skills. This course is strongly recommended for students pursuing a four-year college education.

**Advanced Placement (AP) Spanish Language and Culture** **0510****Level of Student: Grades 11-12****No. of Credits: 1.0****Prerequisite: Admission is dependent upon previous academic achievement, teacher recommendation, counselor input and student choice**

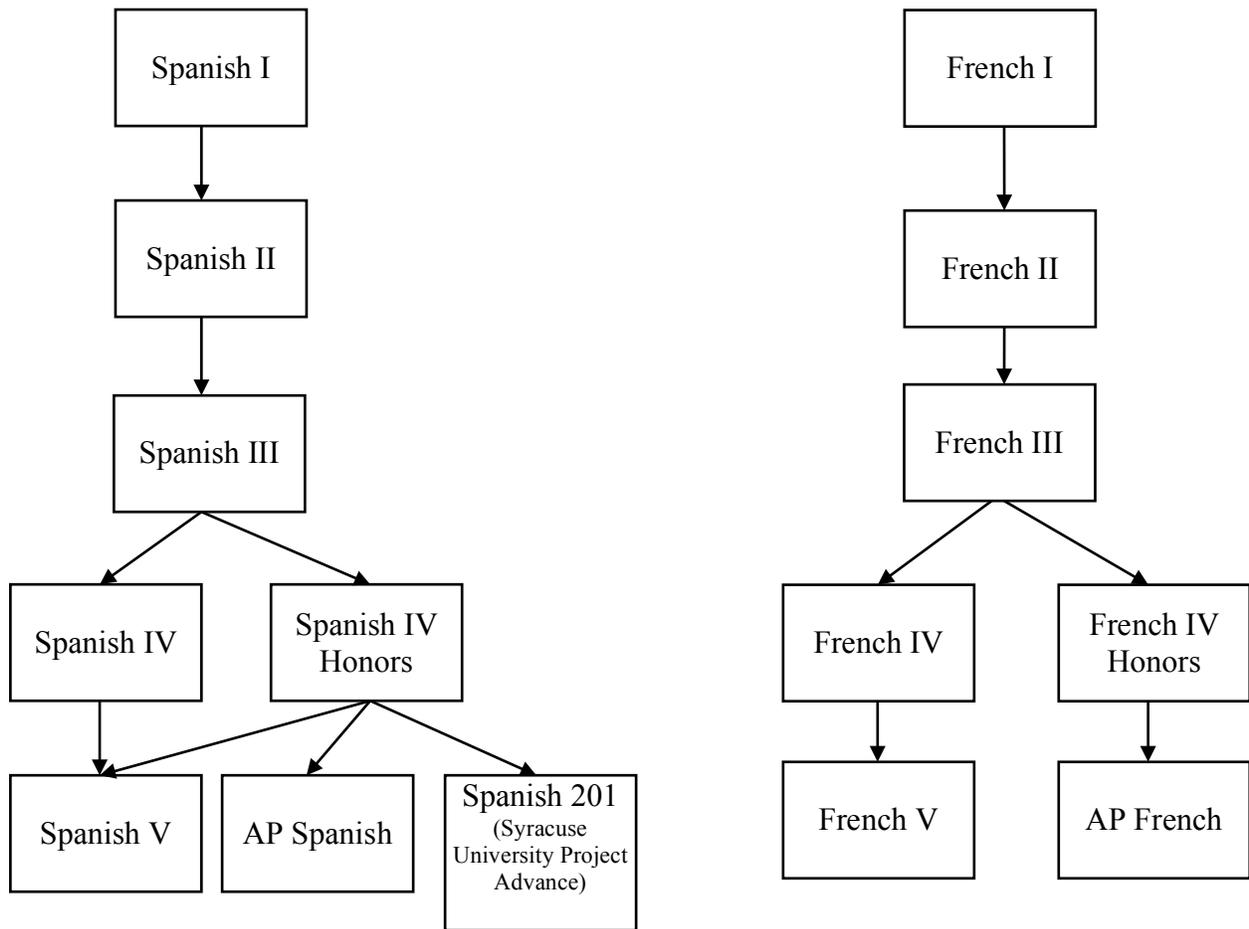
This course emphasizes the mastery of speaking, reading, writing, and listening skills. This course culminates with the AP exam in Spanish language.

**Spanish 201 (Syracuse University Project Advance)****0572****Level of Student: Grades 11-12****No. of Credits: 1.0****Prerequisite: Admission is dependent upon previous academic achievement, teacher recommendation, counselor input and student choice**

This is a third semester college course, which follows the curriculum developed by Syracuse University. Successful completion of the course results in four (4) college credits from Syracuse University, which are transferable to most colleges throughout the nation. This is a proficiency-based course that reviews understanding of the formal structures of language, refines previously acquired linguistic skills, and builds awareness of Spanish culture. This course goes into greater depth; often takes more time and work, and challenges students to greater accomplishments. Classes are conducted entirely in Spanish. The grading criteria will conform with that established by Syracuse University. Tuition fees for four (4) credits from Syracuse University will be collected directly from Syracuse during the first semester.



## World Languages





## OCCUPATIONAL TRAINING

Occupational training provides students the opportunity to learn specific entry-level skills for direct employment after graduation from high school. Instruction is provided for our students at four centers in Eastern Suffolk BOCES. Students wishing to attend BOCES Occupational Training Programs must meet criteria listed on page 50. Four credits are awarded for the completion of each year in a half-day BOCES program. Transportation to and from school is provided. Students enrolled in a BOCES program may participate in after-school activities.

Students generally attend BOCES programs during their junior and senior years. Orientation to the program is provided in grade ten. All applicants for this program visit the center prior to attendance.

The Practical Nursing program begins in the senior year. The final year is completed as a post-graduate student at the expense of the student.

Students who plan to complete a sequence in an occupational course of study must complete Introduction to Occupations I and pass the Proficiency Examination in that subject. Listed below are the courses offered at BOCES sites\*:

<b>Brookhaven Tech</b> (Bellport)	<b>Ward Tech</b> (Riverhead)	<b>Suffolk Aviation Academy</b> (Shirley)
Art Design & Visual Communications	Audio Production	Aviation/Airframe Mechanics
Animal Science	Auto Accessory Installation	Aviation/Prof. Pilot Training
Carpentry/Res. Const.	Auto Body Repair & Refinishing	
Cosmetology	Automotive Technology	
Culinary Arts/Restaurant Op. Mgmt.	Clinical Medical Assisting	
Dental Assisting	Computer Technology	
Early Childhood Education	Cosmetology	
Electrical Trade & Alternative Energy	Culinary Arts/Rest Op. Mgmt.	
Fashion Design	Early Childhood Education	
Nurse Assisting	Law Enforcement	
Pharmacy Technician	Marine & Outdoor	
Plumbing & Heating	Power Equipment	
Practical Nursing	Nurse Assisting	
Professional Photography/Digital Photog.		
Technical Theatre & the Performing Arts		
Television, Video & Digital Film Prod.		

**Students attending BOCES must have completed the following: one Math course, one Science course and two Social Studies courses.**

**\*Courses and sites are determined by Eastern Suffolk BOCES and are subject to change.**



## BOCES Eligibility Policy

**Students wishing to attend BOCES Occupational Training Programs must meet the following criteria:**

- Only Juniors and Seniors can attend BOCES
- Students must complete a BOCES application
- Students must have no more than 18 absences from school during their sophomore year. Any Sophomore wishing to apply that has 5 – 18 absences will be under review for the remainder of the year.
- If absences exceed 18, the student is ineligible to apply
- Once enrolled in a BOCES program, students must maintain good attendance.
- Any student that has more than 18 absences will no longer be eligible to attend BOCES and will be denied credit.
- Application deadline: March 30<sup>th</sup>

## Academic Intervention Services

The New York State Education Department mandates that schools provide Academic Intervention Services (A.I.S.) to students in jeopardy of not meeting Regents/Graduation requirements [Commissioner's Regulations, Section 100.2 (ee)].

Academic Intervention Services are designed for students who are not making adequate progress towards meeting state mandates. The objective of these services is to provide the additional instructional and support services necessary to ensure success in fulfilling all graduation requirements. Furthermore, students identified through the use of performance indicators and teacher input may be placed in an A.I.S. class. The Principal will approve all A.I.S. placements.



Notes



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# Course Catalog 2016 - 2017

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