An EPIC journey...
Empathy
Productivity
Integrity
Curiosity

High School
Course Catalog
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### CURRENT NEW YORK STATE DIPLOMA REQUIREMENTS*

#### Regents Diploma

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Credits</th>
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<tbody>
<tr>
<td>English</td>
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<tr>
<td>Social Studies</td>
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<td>Science</td>
<td>3(A)</td>
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<tr>
<td>Health</td>
<td>.5</td>
</tr>
<tr>
<td>The Arts</td>
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<td>World Languages</td>
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<td>Physical Education</td>
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<tr>
<td>Electives</td>
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**Total Credits – Required Minimum: 22**

#### Regents Exams

<table>
<thead>
<tr>
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<th>Requirement</th>
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<tbody>
<tr>
<td>Regents English</td>
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</tr>
<tr>
<td>Regents Math</td>
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</tr>
<tr>
<td>2nd Regents Math</td>
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</tr>
<tr>
<td>3rd Regents Math</td>
<td>No</td>
</tr>
<tr>
<td>Regents Global History &amp; Geography</td>
<td>Yes(E)</td>
</tr>
<tr>
<td>Regents U.S. History &amp; Government</td>
<td>Yes(E)</td>
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<tr>
<td>Regents Science</td>
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<td>World Languages – FLACS Checkpoint B</td>
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#### Advanced Regents Diploma

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<th>Required Courses</th>
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<tr>
<td>The Arts</td>
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<tr>
<td>World Languages</td>
<td>3(B)</td>
</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
</tr>
<tr>
<td>Electives</td>
<td>1.5(D)</td>
</tr>
</tbody>
</table>

**Total Credits – Required Minimum: 22**

#### Footnotes for Diploma Requirements Chart

A. Students may meet the learning standards in technology, either through a course in technology education or through an integrated course combining technology with mathematics and/or science. A commencement-level course in technology education may be used as the third unit of credit in science or mathematics, but not both.

B. To earn the advanced designation, the student must complete one of the following:
   1. World Languages (total of 3 credits) and pass FLACS Checkpoint B exam.
   2. Career and Technical Education (CTE) (5 credits), including 1 credit in World Languages.
   3. The Arts (5 credits), including 1 credit in World Languages.

C. Students must pass the World Languages course in grades 7 and 8, as well as pass the FLACS Checkpoint A Exam in grade 8 or a Level 1 high school language course to earn 1 unit of credit toward the high school diploma.

D. Elective credit can be earned for any course which is not being used to fulfill a core credit requirement (Arts, CTE, Math Science, English, Social Studies, World Languages).

E. New Graduation Pathways (“4+1” option): As of January 2015, rigorous assessment pathways in the Arts; World Languages; Career and Technical Education (CTE); Humanities; Science, Technology, Engineering and Mathematics (STEM); or meet all of the requirements of the CDOS Commencement Credential (as of March 2016) can be used to meet graduation assessment requirements in place of passing the Global History and Geography Regents or United States History and Government Regents.

F. Students must have 2 credits in Global History and Geography, or its equivalent, to graduate.

### Additional Notes

1. Students who first enter grade 9 in 2008 and thereafter must score 65 or above on five Regents exams to receive a Regents diploma and eight Regents exams and FLACS Checkpoint B exam to receive an Advanced Regents diploma.

2. For students with disabilities who first enter grade 9 in September 2005 and thereafter, a score of 55-64 may be considered a passing score on any Regents Exam required for graduation with a local diploma. Students with disabilities are eligible for the Compensatory Option. Students who score a 45-54 on one or more required Regents exams may compensate with scores higher than 65 on other Regents exams. Attendance and a passing course grade are required. English and Math Regents scores must be a score of at least 55 (or an approved appeal of 52-54).

3. An Honors designation may be added to a(n):
   a. Regents diploma for students who have a computed average score of 90 or better on the five required Regents exams.
   b. Advanced Regents diploma for students who have a computed average score of 90 or better on the eight required Regents exams; and either at least a 65 on the FLACS Checkpoint B exam or a five-unit sequence in the Arts or CTE.

4. A Mastery in Math designation may be added to an Advanced Regents diploma for students who have met all of the assessment requirements and, in addition, score 85 or better on each of the three Regents exams in Mathematics.

5. A Mastery in Science designation may be added to an Advanced Regents diploma for students who have met all of the assessment requirements and, in addition, score 85 or better on each of three Regents exams in Science.

CTE = Business, Technology, Family and Career Sciences

*Subject to changes based on New York State regulations
Challenge by Choice
The Smithtown Central School District’s educational program strives to provide all students with the fundamental academic skills and knowledge required for their maximum educational development and the opportunity to develop their interests and abilities to the fullest extent according to their potential.

The district’s Challenge by Choice initiative has been developed to assist our students in selecting courses that will help them to reach their highest potential. This program guide contains information on course offerings, specifying all prerequisites, difficulty levels, course content and course expectations. Students will receive departmental recommendations based on their academic record and current progress. Students interested in engaging in more challenging course work by enrolling in a related honors, college or Advanced Placement course and who have taken the prerequisite course(s) may make those selections during the scheduling session in the computer lab. Students are encouraged to discuss their interest in taking more challenging coursework with their current classroom teacher, parents/guardians and school counselor.

Once a student has enrolled in an honors, college or AP level course, there is no guarantee that a future request for a level change can be accommodated (i.e., honors level to Regents level). For additional information on level changes, students and parents should refer to the student agenda to review the district’s course change/drop procedures.

We encourage students to pursue excellence and rigorous academic experiences. Should you have additional questions regarding course selections or program expectations, please remember that teachers, counselors, building administrators and departmental administrators are available to assist you.

Prerequisites and Recommendations
To guide students in making course selections, each course in the program guide includes any prerequisites. Students must pass and receive course credit for the course(s) listed as prerequisites to take the desired course.

In addition to any prerequisites, some courses may include a co-requisite. Courses listed as co-requisites must be taken concurrently with the desired course if not previously completed.

Some course descriptions also include recommendations about the skills and prior performance that provide a strong foundation for success in a course. Recommendations are intended to provide guidance to both parents and students as they consider enrolling in challenging coursework.

AP Courses
Students in Advanced Placement (AP) courses are expected to take the appropriate AP examination. The AP examination must be taken for an AP course to receive the additional 1.0 weighting for the grade point average. Students are expected to pay the associated College Board fee for the examination.

College Board AP Capstone Program
AP Capstone is a new diploma program being offered by the College Board designed to equip students with the independent research, collaborative teamwork and communication skills that are increasingly valued by colleges. According to the College Board website, it “cultivates curious, independent, and collaborative scholars and prepares them to make logical, evidence-based decisions.”

The AP Capstone courses consist of AP Capstone Seminar (grade 11) and AP Capstone Research (grade 12) offered through the English department. These courses can be used to fulfill the core 11th and 12th grade English requirements. Additional details on course requirements can be found in the English section of this program guide.

Students who earn AP scores of 3 or higher in AP Seminar and AP Research will earn the AP Seminar and Research Certificate from the College Board. Students who earn AP scores of 3 or higher in AP Seminar, AP Research and four additional AP examinations will earn the AP Capstone Diploma from the College Board.

For more information on the AP Capstone program, please visit the following link: https://advancesinap.collegeboard.org/ap-capstone

Project Lead the Way (PLTW)
The Project Lead the Way curriculum is designed to increase a student’s exposure to the areas of science, technology, engineering and mathematics (STEM). PLTW applies skills in each of these areas to solve complex, open-ended problems in a real-world context. Students focus on the process of defining and solving a problem, not on getting the “right”
answer. Students learn how to apply STEM knowledge, skills and habits of mind to make the world a better place through innovation.

In PLTW Engineering, students engage in open-ended problem-solving, learn and apply the engineering design process, and use the same industry-leading technology and software as are used in the world’s top companies. Students are immersed in design as they investigate topics such as sustainability, mechatronics, forces, structures, aerodynamics, digital electronics and circuit design, manufacturing and the environment, which gives them an opportunity to learn about different engineering disciplines before beginning post-secondary education or careers.

In PLTW Biomedical Science, students are empowered to explore and find solutions to some of today’s most pressing medical challenges. Students step into the roles of biomedical science professionals and investigate topics including human medicine, physiology, genetics, microbiology and public health. Students work together in teams to find unique solutions, and in the process, learn in-demand, transferable skills like critical thinking and communication.

For additional information on the PLTW program, please visit the following link: https://www.pltw.org/

Students enrolled in PLTW courses take a national end-of-course examination. The EOC examination must be taken for a PLTW course to receive the additional 1.0 weighting for the grade point average.

**AP + PLTW Student Recognition Program**

According to the College Board, to help prepare students for the global workforce, the College Board and Project Lead the Way have partnered on a program to encourage student participation in science, technology, engineering and mathematics courses and build their interest in STEM careers and degrees. The program leverages the success of the College Board’s Advanced Placement Program and Project Lead the Way’s applied learning programs.

The program has three elements:

- College and career pathways in engineering, biomedical science and computer science that connect AP and PLTW courses.
- Recognition for students who participate in the pathway.
- A portfolio of career-focused opportunities for students.

Students who complete the requirements of their chosen pathway earn the AP + PLTW student recognition, a qualification that demonstrates to colleges and employers that the student is ready for advanced course work and interested in careers in the discipline.

To earn the recognition, the student must satisfactorily complete three courses in the pathway – one AP course; one PLTW course; and a third course, either AP or PLTW – and earn a qualifying score of 3 or higher on the AP examination(s) and a score of Proficient or higher on the PLTW EOC examination(s).

For additional information on the AP + PLTW student recognition program, please visit the following link: https://www.pltw.org/our-programs/ap-pltw

**NCAA Clearinghouse**

Any student seeking consideration to participate in a college Division I or II athletics program for scholarship purposes must meet certain NCAA requirements. Clearance for NCAA requirements states that students must enroll and successfully complete 16 core credits and submit SAT or ACT scores from the testing agency. Core courses that are approved by the NCAA will be designated in the program guide by the following symbol:

All potential college athletes must log onto www.ncaaclearinghouse.net to complete the initial Eligibility Clearinghouse Form. Be sure to confer with your counselor should you have any questions.
Art Courses

STUDIO IN ART (7015)
Grades 9-12
Full Year, 1 Credit
Prerequisite: None
This course will focus on the basic principles of art and the elements of design as they relate to two- and three-dimensional art. Studio in Art will give students a survey of many different media and techniques, providing an excellent foundation for all other art courses. As well as maintaining a sketchbook for ideas, designs and assignments, activities will include drawing, painting, printmaking, graphic design, sculpture and crafts. It is strongly recommended that Studio in Art be taken as a prerequisite to all elective art courses. Studio in Art is required for AP Art students. Studio in Art fulfills the art graduation requirement.

STUDIO IN CRAFTS 1 (7501)
Grades 9-12
Half Year, .5 Credit
Prerequisite: None
This course will focus on the basic principles of art and the elements of design as they relate to two- and three-dimensional design projects that reflect historical and multicultural references. Students will learn to apply design concepts influenced by historical research to all projects. Originality and imagination are stressed. While learning the impact various cultures have had on crafts, students may explore the areas of tie-dye, batik, weaving, basketmaking, book arts and printing. Studio in Crafts 1 combined with Studio in Crafts 2 fulfill the art graduation requirement.

STUDIO IN CRAFTS 2 (7511)
Grades 9-12
Half Year, .5 Credit
Prerequisite: Studio in Crafts 1
A continuation of Studio in Crafts 1, this course will explore two- and three-dimensional craft techniques and their cultural impact while focusing on the basic principles of art and the elements of design. Working through the many cultural and historical influences of craft throughout the ages, students may explore the areas of papermaking, printing, jewelry making, stained glass, enameling and ceramic sculpture. Studio in Crafts 1 combined with Studio in Crafts 2 fulfill the art graduation requirement.

STUDIO IN DIGITAL MEDIA ARTS (7305)
Grades 9-12
Full Year, 1 Credit
Prerequisite: None
College and career readiness emphasizes 21st-century learning skills such as the ability for students to communicate and express themselves in an artistic and creative manner through the use of multimedia technology. Students will use industry standard applications to create digital media focusing on design, production and function. Students may collaborate and communicate as design teams to manage projects. Projects may include animation, video game design, 3D printing, photography, film/video, web design, coding, interactive media and communication design. Studio in Digital Media Arts fulfills the art graduation requirement.
FILM & VIDEO 1 (7306)
Grades 9-12
Half Year, .5 Credit
Prerequisite: None
Recommendation: Students have taken Studio in Digital Media Arts
While studying the phenomenon of persistence of vision, students will discover the magic in motion picture making. They will learn techniques in cell and cut paper animation, claymation, live-action filmmaking methods and videography, as well as some computer graphics. Major assignments include a flipbook, an animated movie and a live-action video production. Drawing, storyboard preparation, set building, clay modeling and scriptwriting are among the various processes studied in Film and Video. Drawing ability is not necessary.

PHOTOGRAPHY 1 (7307)
Grades 9-12
Half Year, .5 Credit
Prerequisite: None
Recommendation: Students have taken Studio in Digital Media Arts
While studying the art of making great pictures, students will learn the basic principles of design and composition. The course will cover the basics of digital photography, and students will learn how to effectively use both single-lens reflex and point-and-shoot cameras. Students will learn about camera basics such as aperture, shutter speed and exposure and then apply the knowledge in the digital world with computer programs such as Adobe Photoshop and Lightroom.

DRAWING 1 (7051)
Grades 9-12
Half Year, .5 Credit
Prerequisite: None
Recommendation: Students have taken Studio in Art
This is a basic course that teaches the concepts of line, value (shading), texture and form while integrating various techniques and drawing materials. Skills in seeing and eye-hand coordination are emphasized and practiced. Students will explore a variety of media, such as pen and ink, charcoal, pastels and more. This class is necessary for students who plan to take AP Art or choose a career in art.

PAINTING 1 (7091)
Grades 9-12
Half Year, .5 Credit
Prerequisite: None
Recommendation: Students have taken Studio in Art
This is an introductory course in painting. Students will learn to apply elements of design in developing original paintings on various surfaces and stretched canvas in the areas of still life, abstract works, portraits and landscapes. Students will learn color theory as applied to paint and will work with acrylics, watercolors and various other media. This course is required for any student planning to take AP Art.

DRAWING & PAINTING 2 (7105)
Grades 10-12
Half Year, .5 Credit
Prerequisites: Drawing 1 and Painting 1
This advanced-level course will provide opportunities for further development of individual expression. Techniques and materials learned in the Drawing and Painting classes are expanded to achieve a more professional and sophisticated vision. Students will create a portfolio of completed pieces that can be used for entry into AP Art and college.

ADVANCED DIGITAL MEDIA ARTS (7309)
Grades 10-12
Half Year, .5 Credit
Prerequisite: Studio in Digital Media Arts
This course will further develop the role of computer technology as an art medium in the emerging field of digital media. Students will be challenged to create projects that apply design principles and color theory reflective of the style of notable artists. Students will use industry standard applications to create their digital media projects. Projects may include animation, video game design, 3D printing, photography, film/video, web design, coding, interactive media and communication design.

FASHION ILLUSTRATION (7200)
Grades 9-12
Half Year, .5 Credit
Prerequisite: None
Recommendation: Studio in Art or Drawing 1
This course concentrates on drawing the fashion figure with emphasis on a variety of drawing and design techniques. Students will learn the proportions of the fashion figure, how to design and draw garments with details, and how to render fabrics. The development of style will be individually developed through the exploration of color, texture, line and the layout of the fashion figure in composition.
the opportunity to experience how films are developed and to create their own short films. Through the screening of various professional films, students will learn how to write and film their own works. Each student will shoot individual assignments as well as work together in groups creating collaborative projects. They will study the art of screenwriting, cinematography, film production, editing, and marketing. All students will gain valuable, in-depth experience while working with motion-picture cameras.

**CERAMICS 1 (7561)**
Grades 9-12
Half Year, .5 Credit
**Prerequisite: None**
**Recommendation: Students have taken Studio in Art or Studio in Crafts 1 and 2**
This course is an introductory hands-on exploration of clay. Students will create original pottery and ceramic sculpture while learning the techniques of hand-building. Students will also learn a variety of finishing techniques that include glaze and colored slips. This is an excellent course of study for all art and non-art majors, providing a fun opportunity for self-expression and creativity.

**CERAMICS 2 (7571)**
Grades 9-12
Half Year, .5 Credit
**Prerequisite: Ceramics 1**
Students will continue to build on foundation skills learned in Ceramics 1. This course focuses on the further development of hand-building, the potter’s wheel, surface decorations and glazing techniques in an advanced studio environment.

**AP STUDIO ART (7470)**
Grades 11-12
Full Year, 1 Credit
**Summer Assignment Required**
**Prerequisites: One studio foundation course, one art elective, portfolio review and/or departmental approval**
**Recommendation: Students have completed Studio in Art, Drawing 1, and Painting 1**

**AP STUDIO ART 2 (7471)**
Grade 12
Full Year, 1 Credit
**Summer Assignment Required**
**Prerequisite: AP Studio Art**

The AP Studio Art course is designed for highly motivated students who are seriously interested in a college-level study of art. Students must successfully complete at least a 3-credit sequence in art, undergo a portfolio review and receive departmental approval before they can enroll in the AP Art course. AP Art students are expected to have a firm grasp of the elements of design and the principles of art before they begin the Advanced Placement course of study. AP Art assignments are designed to help students think at a higher, more sophisticated level. Art assignments are formulated to meet most college and art school admissions requirements. Assignments may include a wide assortment of design, drawing, painting, printmaking, computer art, sculpture and mixed media problems.

At the conclusion of the year, AP Art students are expected to take a performance-based exam which allows them to earn college credit if they achieve a rating acceptable to the college or school to which they have applied. Throughout the year, AP Art students prepare and develop portfolios in accordance with the College Board’s AP qualifying regulations. This portfolio prepares them for regional and national exhibitions, enables them to participate in scholarship competitions, and provides competitive opportunities for admission to colleges and professional art schools. Portfolio development is an evolving process, and at regular intervals throughout the year students will have their portfolios evaluated by both teachers and college admissions representatives. Based on student requests, this course may be offered on alternate years.
Art

Studio in Art
- Drawing 1
  - Fashion Illustration
- Painting 1
- Drawing & Painting 2

Studio in Crafts 1
- Studio in Crafts 2
- Ceramics 1
- Ceramics 2

Studio in Digital Media Arts
- Film & Video 1
- Photography 1
- Advanced Digital Media Arts

Electives

Film History & Criticism
ACCOUNTING (5010)
Grades 9-12
Half Year, .5 Credit
Prerequisite: None
Accounting is the “language of business” and is a necessary course for many college majors and for all college business majors. Learn the basics of understanding business financials. This course stresses the principles and procedures needed to build a beginning foundation in accounting fundamentals. The course will focus on the accounting cycle of a small business.

COLLEGE COMPUTER APPLICATIONS (5500)
Grades 10-12
Half Year, .5 Credit
Prerequisite: None
The most necessary course for any college major! Using the latest version of Microsoft Office (Word, Excel, Publisher and PowerPoint) and Google Docs, students will learn the basics of word processing, spreadsheets, databases and digital presentations. Students will also explore the creation of their own websites, as well as current trends in technological communication and networking. Students will become familiar with applications that are commonly used in both the college classroom and the workplace. The applications learned can be used for communications, business, graphic arts, science, math and engineering. Microsoft Office is the preferred program used by most large and small companies in the U.S.A. It is essential that every high school graduate be competent in these programs in today’s highly technological world. No previous experience with these programs is required, although the ability to keyboard proficiently is recommended. Students enrolled in this course will have the opportunity to earn MOS Certification in Microsoft Excel and certification in G Suite. Students are responsible for the fees associated with the optional certification examinations.

BUSINESS MATH & FINANCIAL APPLICATIONS (5100)
Grades 10-12
Full Year, 1 Credit
Prerequisite: None
This course teaches students real-world applications of mathematics to everyday personal and business financial situations. This course will prepare students with the appropriate tools to understand banking, savings, checking, investing, calculation of loans, and understanding payroll and income taxes. Students will learn these business mathematical concepts through the use of a business simulation project. Computer applications will be used to reinforce class discussions.
COLLEGE ACCOUNTING 1 (5020)  
Grades 10-12  
Full Year, 1 Credit  
Members of the class may elect to take the course for 3 college credits from SUNY State College.  
*Credit for this course may be used to meet the third-year math requirement.*  
**Prerequisite:** None  
Planning on majoring in accounting, management, marketing, finance or any other business area in college? Do you have an entrepreneurial spirit and want to own your own business? Do you want to work for the FBI or one of the Big 4 accounting firms? Then this class is for you. Build your foundation now with this college-level accounting course designed for the motivated student. The topics covered are those in a second-term college accounting course. This course will cover topics such as account classification, financial statements for partnerships and corporations, retained earnings, earnings per share, notes and bonds payable, budgets, cash flow statements and managerial accounting. The computer will also be utilized to enhance learning the above topics. It will provide practical applications of the learned material. Based on student requests, this course may be offered on alternate years.

COLLEGE BUSINESS LAW (5091)  
Grades 10-12  
Full Year, 1 Credit  
Members of the class may elect to take the course for 6 college credits from LIU Post.  
**Prerequisite:** None  
College Business Law is designed to have students learn and apply the fundamental legal principles behind criminal law, tort law and contractual law. Students will be engaged in up-to-date legal issues that will be used to apply taught legal principles to these current cases. 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 and presentations from guest speakers. It is beneficial for students who will attend college and pursue a career in law, business administration or accounting.

#SOCIAL MEDIA: THE DIGITAL GENERATION (5515)  
Grades 10-12  
Half Year, .5 Credit  
Members of the class may elect to take this course for 3 college credits through Stony Brook University.  
**Prerequisite:** None  
Creating a positive digital profile can be a challenging task for the 21st-century student. Students will learn how to utilize the power of the internet and social media to enhance their web presence and digital profile. This course explores a number of topics including building a strong web presence, leveraging social media, creating and uploading video content, blended and distance learning, and mobile devices as a learning tool. Students will collaborate with other school districts through Google Drive to create a culminating final digital project. Together, students will discover how technology and social media impact society now and in the future.

ENTREPRENEURSHIP – VIRTUAL ENTERPRISE (5110)  
Grades 10-12  
Full Year, 1 Credit  
Members of the class may elect to take the course for 6 college credits from Farmingdale State College.  
**Prerequisite:** None  
**Recommendation:** Accounting or College Accounting, and Principles of Marketing or Introduction to Business  
Virtual Enterprise is an international business simulation program that
has students create and manage their very own virtual business. You, the students, take on the role of employees and will be involved in actual “on-the-job” work experiences, including sales, marketing, accounting, personnel management, etc. The only difference between the VE and an actual business is that no material goods are produced or real money exchanged. Students will work in one or more of the departments in the VE organization. In each department, students will be expected to work individually and as a member of a team to fulfill the responsibilities and tasks associated with their department. Students will develop initiative, creativity and responsibility, and enhance oral and written communication skills, as well as improve their ability to work on a team.

FASHION MARKETING (5130)
Grades 9-12
Half Year, .5 Credit
Students who achieve a final average of at least a B or better will be eligible to receive 1.5 college credits for one fashion elective at LIM in Manhattan. Students must submit a final official high school transcript to the college upon graduation.
Prerequisite: None
Are you curious about fashion designers, models, hair and make-up artists, and celebrity styles? This course is designed to give you the latest information on the trends which will affect every aspect of how you look and dress. Students will be introduced to the terminology and fundamentals of the fashion industry. Introductory business and marketing concepts are covered through this course with a focus on the multibillion dollar fashion industry. Fashion industry speakers and field trips help to enhance the learning and application of concepts covered in class.

FASHION APPAREL & ACCESSORIES (5135)
Grades 9-12
Half Year, .5 Credit
Students who achieve a final average of at least a B or better will be eligible to receive 1.5 college credits for one fashion elective at LIM in Manhattan. Students must submit a final official high school transcript to the college upon graduation.
Prerequisite: None
Students will see the place of apparel and accessories in the world of fashion design and merchandising. Students study the manufacturing of materials and the evolution of apparel through the history of costumes. Students become familiar with the buying, merchandising and marketing of all accessory classifications. These include handbags, shoes, jewelry, gloves, neckwear, belts, millinery and cosmetics. Students become versed in designers and accessory terminology, and they explore the various stages of display development.

INTRODUCTION TO BUSINESS (5080)
Grades 9-12
Half Year, .5 Credit
Prerequisite: None
Do you like “Shark Tank?” Learn what it takes to become an entrepreneur and jump into the tank with the “sharks.” Explore different segments of business activities, such as the free enterprise system, Maslow’s Hierarchy of Human Needs, ethics, global economy, government role in business, marketing and advertising. This course is a foundation course that includes a variety of experiences, case studies, team projects and presentations. This course provides fundamental business knowledge for students, providing an easy transition from school to college and the work force. Students will become familiar with the modern business environment and current terminology used in business.

PERSONAL FINANCIAL MANAGEMENT (5119)
Grades 9-12
Half Year, .5 Credit
This is a required course for students graduating with a CTE sequence.
Prerequisite: None
The purpose of this course is to provide students with skills for money management. Start with a goal, create a plan, implement your plan and adjust
as needed to accomplish your financial goals. Learn the skills and competencies needed for success in the workplace and to begin to become financially literate. This course has also been developed to allow students to begin to meet the Career Development and Occupational Studies learning standards at the commencement level. Topics covered include banking and economic systems, budgeting, investments, insurance, credit, financial literacy, identity theft and career planning.

KEYBOARDING FOR COLLEGE & CAREERS (5170)
Grades 9-12
Half Year, .5 Credit
Prerequisite: None
Students enrolled in this course will develop accurate keyboarding skills with the use of our computer-aided keyboarding software. Given the usage of computers in school and business, keyboarding is an essential part of a student's academic and non-academic life. This course will enable students to learn the touch system of keyboarding and then apply these skills in the latest word processing applications. As a part of this course, students will learn various types of current business document formatting using Microsoft software and Google Docs. Keyboarding will help students throughout their high school and college career and provide them with employable skills. Students enrolled in this course will have the opportunity to earn MOS Certification in Microsoft Word. Students are responsible for the fees associated with the optional certification examination.

PRINCIPLES OF MARKETING & ADVERTISING (5120)
Grades 10-12
Full Year, 1 Credit
Members of the class may elect to take the course for 6 college credits from LIU Post.
Prerequisite: None
From Madison Avenue to Hollywood! Explore the psychology of promoting and selling goods and services. Learn how and why Great Adventure and Disney World sell their amusement parks to you, the consumer. Learn how major stores such as Abercrombie & Fitch and McDonald's target customers and develop marketing strategies for those customers. Students examine consumer behavior and government regulations pertaining to the business world. Current events, trends and case studies will be integrated and evaluated throughout the classroom discussions. Students will explore the world of social media and how it is implemented in marketing. In addition, students will create a marketing plan and presentation for a product that they invent for the Smithtown marketplace. Guest speakers and field trips will be utilized to provide a real-world association with the materials presented.

BUSINESS OF MUSIC (5155)
Grades 9-12
Half Year, .5 Credit
Prerequisite: None
The business of music is a global multibillion dollar industry comprised of individuals working in many different capacities. There are people creating the music; working at labels, distribution companies, publishing companies and recording studios; artist management and promotion; producing; and legal counsel. This course is designed to introduce students to the business aspect of the music industry. Focusing on the mechanics behind the scenes, students will develop an understanding of the terminology of the recording and music industry, the careers associated with the industry, and the marketing strategies that are employed to help to sell music, concert tickets and associated merchandise. Guest speakers and field trips will be utilized to provide a real-world association with the materials presented.

SPORTS MARKETING (5160)
Grades 9-12
Half Year, .5 Credit
Prerequisite: None
This half-year course is designed for students with an interest in the sports industry and its related careers. Marketing is the tool that has allowed the United States economy to be one of the most successful in the world. Introductory business and marketing concepts are covered throughout this
course with a focus on the multibillion dollar sports industry. Additionally, marketing has also made the sports and entertainment industries important parts of our modern economy. Fans and companies spend billions of dollars each year on sports, while entertainment is one of the largest exports the U.S. offers to the rest of the world. Utilizing the specific environments of both industries, students will be introduced to the basic marketing principles and components that are used in our economic system. The exploration of these principles will be studied and applied in an active, hands-on participative environment, through class projects, internet simulations and general classroom lectures.

SPORTS MANAGEMENT (5165)
Grades 10-12
Half Year, .5 Credit
Members of the class may elect to take the course for 3 college credits from Farmingdale State College.
Prerequisite: None
This course is designed for students who are interested in the daily operations and decision-making processes of their favorite sports team, or learning what it takes to be an executive in the sports industry. In this course, you will learn how teams are owned and operated within today's dynamic global economy. Students will also be given a broad understanding of the sports business sector by exploring available career opportunities, the development of the sports management profession, and how to manage the pressures of human resources, ethics, societal influences and media relations. Utilizing specific environments from professional sports franchises and leagues, students will be introduced to basic managerial principles and philosophies through the context of the sports industry. The exploration of these topics will be studied and applied in an active and participative environment, through class projects, internet simulations and general classroom lectures.

WALL STREET: INTRODUCTION TO INVESTMENTS (5042)
Grades 9-12
Half Year, .5 Credit
Prerequisite: None
The class will explore and analyze the basic business areas of management, economics and finance in today's global financial marketplace. Students will develop an introductory knowledge of the stock market (the ABCs of investing). We will also discuss stocks, mutual funds and 401(k) plans as retirement options. The use of current events is stressed. This knowledge is applied to the challenges of investing. Students will relate how economic and business principles affect investments through guest speakers, a stock market contest on the internet, and classroom lecture and activities. Students will also participate in the SIFMA Stock Market Game.

MAIN STREET: PERSONAL INVESTMENTS (5520)
Grades 10-12
Half Year, .5 Credit
Members of the class may elect to take the course for 3 college credits from Farmingdale State College.
Prerequisite: None
Imagine yourself being able to achieve your personal financial dreams. This course will give you the opportunity to explore personal investment options beyond the stock markets. International finance and economics will be examined in a current context, including their impact and relationship to the U.S. financial markets. Students will review stock market investing concepts and learn more advanced concepts and strategies about the stock market. They also will be introduced to all types of investment classifications such as bonds, mutual funds, international investments, options and futures necessary to achieve a balanced personal investment portfolio. Guest speakers will update students on current events and careers in the financial field and will enrich their knowledge of investments.

COLLEGE AND CAREER PLANNING (5445)
Grades 10-12
Half Year, .5 Credit
Prerequisite: None
Where do I begin? What do I want to do with my life after graduation? Students will explore college options
related to their interests and begin to plan for their career through research and exploration activities. Students will create a career plan to lay the foundation for sound career decision-making. First, students will explore “who you are” and what careers are best suited for them. Class activities will include self-assessment, career research and identification of high school courses needed as well as suitable college majors. Guest speakers and industry professionals will enhance student learning. All students will complete a Career Portfolio, which will include results of career research as well as their self-assessment of their current résumé and references. This course is a perfect introduction to Career Jump Start, in which students may obtain a paid or nonpaid internship in the career field of their choice.

CAREER JUMP START (5431)
Grades 10-12
Half Year, .5 - 2.5 Credits
Prerequisite: None
Students will gain insight into the new and exciting career opportunities of the 21st century and learn how to successfully compete in a global market.

Students will be given the tools to enhance their communication skills, including proper email correspondence and appropriate body language in a business setting. Students will learn about LinkedIn, a powerful social media platform to network, find a job, and be informed about new trends in the workplace. Students will learn how to prepare professional employment documents necessary for a job search including a resume, list of references, cover letter, and formal thank-you letters. Students will create personal e-portfolios to use in the present and build upon in the future. Students will understand how to match their skills and abilities to specific career requirements. Students will enhance their presentation skills as they participate in mock interviews, as well as create and practice their personal elevator pitches. In addition, students will participate in case studies, virtual internships, and field trips to experience real-world settings. Additional topics include getting along with colleagues, dealing with supervisors, and navigating the day-to-day work environment. Professionals will visit the classroom to work with students on a variety of topics to provide real-world insights. Students will become familiar with New York State workplace safety laws and employee regulations, as well as forms and procedures used in the general workplace environment (e.g., W-2, W-4, I-9). Students will also have the opportunity to work directly with the Work Experience Coordinator to secure an internship or meaningful work experience. All students will receive .5 credit for the class and students age 16 and older can earn an additional .5 credit for every 150 hours of work outside of school (up to 2 credits for 600 hours of workplace experience).
Business

Foundation Courses

- Keyboarding for College & Careers
- Personal Financial Management
- Introduction to Business
- Business Math & Financial Applications

Accounting

- Accounting
- College Accounting 1
  - College Accounting 2

Computer Information Technology

- College Computer Applications

Management, Finance, and Investments

- Wall Street: Introduction to Investments
- Main Street: Personal Investments
- College Business Law
- Entrepreneurship – Virtual Enterprise
- Sports Marketing
- Sports Management

Marketing/Public Relations

- Principles of Marketing & Advertising
- Sports Marketing
- Fashion Marketing
- Fashion Apparel and Accessories
- Business of Music

College and Career Transition Courses

- College and Career Planning
- Career Jump Start
- #Social Media: The Digital Generation
ENGLISH 9 (1010)
Grade 9
Full Year, 1 Credit
Prerequisite: English 8
English 9 is aligned to the NYS Learning Standards and prepares students to take the English Regents Examination at the end of their junior year. Students receive instruction in reading and the writing process through the study of a range of literature, including short stories, poetry, drama, nonfiction and informational passages. The curriculum builds students’ grammar and vocabulary skills through direct instruction and a constant exposure to challenging terminology. A sequential set of reading, writing, listening and speaking objectives provides overall unity to English 9 and ultimately prepares students for the English Regents in grade 11. Students are required to complete research activities. Students requiring additional support will be scheduled for the Regents Extended Lab.

ENGLISH 9 (1010RE)
Grade 9 Regents Extended Lab
Full Year, Alternate Day
2.5 Periods/Week
Prerequisite: Departmental placement
The grade 9 Regents Extended Lab is designed for students who have demonstrated the need for extra support in reading and writing skills. Student needs are addressed through additional class time and modified instructional materials that intensively tackle basic language arts skills. The extra support period may satisfy the Academic Intervention Service requirement.

ENGLISH 9 HONORS (1020)
Grade 9
Full Year, 1 Credit
Summer Assignment Required
Prerequisite: English 8
Recommendation: English 8 with a grade of at least B+
English 9 Honors is aligned to the NYS Learning Standards and prepares students to take the English Regents Examination at the end of their junior year. The course is designed for grade 9 students who have demonstrated superior abilities in all areas of English Language Arts. The purpose of the course is to challenge students’ intellect and to increase the range of their literary skills through advanced reading and intensive writing instruction. Students will be prepared to take AP Language and Composition, AP Capstone Seminar and AP Literature. Students are required to complete research activities.

ENGLISH 10 (1040)
Grade 10
Full Year, 1 Credit
Prerequisite: English 9 Honors or English 9
English 10 is aligned to the NYS Learning Standards and prepares students to take the English Regents Examination at the end of their junior year. The course builds on many of the skills and activities initiated in English 9R. Reading skills and the writing process are emphasized, in addition to a rich literature program including classic literature titles, nonfiction and informational passages. A sequential set of reading, writing, listening and speaking objectives provides
overall unity to English 10. The curriculum builds students’ grammar and vocabulary skills through direct instruction and a constant exposure to challenging terminology. Students are required to complete research activities. Students requiring additional support will be scheduled for the Regents Extended Lab.

ENGLISH 10 (1040RE)
Grade 10 Regents Extended Lab
Full Year, Alternate Day
2.5 Periods/Week
Prerequisite: Departmental placement
The grade 10 Regents Extended Lab is designed for students who have demonstrated the need for extra support in reading and writing skills. Student needs are addressed through additional class time and modified instructional materials that intensively tackle basic language arts skills. The extra support period may also satisfy the Academic Intervention Service requirement.

ENGLISH 10 HONORS (1050)
Grade 10
Full Year, 1 Credit
Summer Assignment Required
Prerequisite: English 9 Honors or English 9
Recommendation: English 9 with a grade of at least B+
English 10 Honors is aligned to the NYS Learning Standards and prepares students to take the English Regents Examination at the end of their junior year. The course is designed for grade 10 students who have demonstrated superior abilities in all areas of English Language Arts. The purpose of the course is to challenge students’ intellects and to increase the range of their literary skills through advanced reading and intensive writing instruction. Students will be prepared to take AP Language and Composition, AP Capstone Seminar, and AP Literature. Students are required to complete research activities.

ENGLISH 11 (1070)
Grade 11
Full Year, 1 Credit
Prerequisite: English 10 Honors or English 10
English 11 is aligned to the NYS Learning Standards and prepares students for the English Regents Examination in June. The course builds on many of the skills and activities initiated in English 10. Reading skills and the writing process are emphasized, in addition to a rich literature program. A sequential set of reading, writing, listening and speaking objectives provides overall unity to English 11. Emphasis is on advancing reading, writing, research and analytical skills. Students are required to complete a research paper. Students will take the English Regents in June, and it will count as one-ninth of the overall course grade. Students requiring additional support will be scheduled for the Regents Extended Lab.

ENGLISH 11 (1070RE)
Grade 11 Regents Extended Lab
Full Year, Alternate Day
2.5 Periods/Week
Prerequisite: Departmental placement
The grade 11 Regents Extended Lab is designed for students who have demonstrated the need for extra support in reading and writing skills. Student needs are addressed through additional class time and modified instructional materials that intensively tackle basic language arts skills. The extra support period may also satisfy the Academic Intervention Service requirement.

AP CAPSTONE SEMINAR – ENGLISH (1100)
Grade 11 (satisfies core requirement)
Full Year, 1 Credit
Prerequisite: English 10 Honors or English 10
Recommendation: Cumulative average of B+ or better and the ability to collaborate with others
AP Capstone is an innovative program that allows students to engage in a rigorous development of the critical skills necessary for success in college. The program of study includes a two-course sequence: AP Seminar and AP Research. Students enrolled in AP Capstone Seminar will learn how to investigate real-world topics from multiple perspectives. Students will carefully analyze information, write evidence-based arguments and effectively communicate them to others. Using an inquiry framework, students practice reading and analyzing articles, research studies and foundational literary and philosophical texts; listening to and viewing speeches, broadcasts and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in research-based written essays, and design and deliver oral and visual presentations, both individually and as part of a team. In addition to taking the AP Seminar examination, students are required to take the English Regents
examination as part of their graduation requirement. The Regents examination will count as one-ninth of the overall course grade.

AP ENGLISH LANGUAGE AND COMPOSITION (1085)
Grades 11-12
Full Year, 1 Credit
Prerequisite: English 10 Honors or English 10
Recommendation: Cumulative average of B+ or better
Advanced Placement English Language and Composition is a course for highly motivated students who, in their junior year, want to take a college-level English course. All students in the course take the AP English Language and Composition Exam. Depending on their score, students may apply for advanced placement when they enter college. This course is the equivalent of a college freshman composition class with emphasis on advanced writing skills. The demands of AP Language and Composition are very high, and this is considered a challenging course. Students who wish to sign up must be competent and highly motivated. As juniors, they are required to take the English Regents Examination as part of their graduation requirement. The Regents exam will count as one-ninth of the overall course grade.

ENGLISH 12 (1089)
Grade 12
Full Year, 1 Credit
Prerequisite: AP English Language and Composition, AP Capstone Seminar or English 11
English 12 is aligned to the NYS Learning Standards and prepares students for college and career readiness. The course is a culmination of the high school English program and includes various projects and activities that build on prior instruction. Reading skills and the writing process are emphasized, in addition to a rich literature program including classic and contemporary literature titles, nonfiction and informational passages. The curriculum builds students’ grammar and vocabulary skills through direct instruction and a constant exposure to challenging terminology. Students are required to complete a research paper. Students will complete a senior project which counts as one-fifth of the overall course grade.

AP ENGLISH LITERATURE AND COMPOSITION (1120)
Grade 12
Full Year, 1 Credit
Summer Assignment Required
Prerequisite: AP English Language and Composition, AP Capstone Seminar or English 11
Recommendation: Cumulative average of B+ or better
Advanced Placement English Literature and Composition is a course for highly motivated students who, in their senior year, want to take a college-level English course. All students in the course take the AP English Literature and Composition Exam. Depending on their score, students may apply for advanced placement when they enter college. This course is the equivalent of a college freshman composition class with emphasis on advanced writing skills. The demands of AP Language and Composition are very high, and this is considered a challenging course. Students who wish to sign up must be competent and highly motivated. As juniors, they are required to take the English Regents Examination as part of their graduation requirement. The Regents exam will count as one-ninth of the overall course grade.

AP CAPSTONE RESEARCH – ENGLISH (1105)
Grade 12 (satisfies core requirement)
Full Year, 1 Credit
Prerequisite: AP Capstone Seminar
AP Capstone Research allows students to deeply explore an academic topic, problem or issue of individual interest. Through this exploration, students design, plan and conduct a year-long, research-based investigation to address a research question. Students further develop the skills acquired in the AP Capstone Seminar course by understanding research methodology; employing ethical research practices; and accessing, analyzing and synthesizing information as they address a research question. Students explore their skill development, document their processes and curate the artifacts of the development of their scholarly work in a portfolio. The course culminates in an academic paper of 4,000-5,000 words (accompanied by a performance or exhibition of product where applicable) and a presentation with an oral defense.

ENGLISH 12 HONORS (1095)
Grade 12
Full Year, 1 Credit
Students may elect to take this course for 3 college credits through Stony Brook University.
Prerequisite: AP English Language and Composition, AP Capstone Seminar or English 11
Recommendation: Cumulative average of B+ or better
Advanced Placement English Literature and Composition is a course for highly motivated students who, in their senior year, want to take a college-level English course. All students in the course take the AP English Literature and Composition Exam. Depending on their score, students may apply for advanced placement when they enter college. This course is the equivalent of a college freshman composition class with emphasis on advanced writing skills. The demands of AP Language and Composition are very high, and this is considered a challenging course. Students who wish to sign up must be competent and highly motivated. As juniors, they are required to take the English Regents Examination as part of their graduation requirement. The Regents exam will count as one-ninth of the overall course grade.
college. This course is the equivalent of a college freshman literature class with emphasis on advanced writing skills. The demands of AP Literature and Composition are very high. Students who wish to sign up must be competent and highly motivated.

**ENGLISH ELECTIVE COURSES**

The English Department is a rich resource for students interested in expanding their creative horizons and sharpening their career skills. We encourage all students to round out their high school experience by exploring these stimulating courses. All elective courses offered by the English Department count towards the Regents Diploma elective requirements.

**COLLEGE ADVISORY (1270)**

**Grades 11-12**

**Half Year, .5 Credit**

*Prerequisite: None*

This course will demystify and streamline the college application process. Applying to college can be an exercise both practical and emotional, and unfortunately often stressful as well. With the assistance of an experienced English teacher, however, applying to college can become a process of self-discovery and development that ultimately leads students to find a college well-suited to their personal interests, goals, and abilities. In this course students will experience the following: creating a timeline for college planning, completing applications, preparing for the ACT and SAT, portfolio creation, developing a personalized college essay, and researching and applying for college scholarships. Based on student requests, this course may be offered on alternate years.

**CONTEMPORARY YOUNG ADULT LITERATURE (1272)**

**Grades 9-12**

**Half Year, .5 Credit**

*Prerequisite: None*

This course is an introduction to the multiple genres of contemporary young adult literature that address important social and emotional issues among teenagers. Students will read YAL texts written by award-winning authors that explore a range of themes, perspectives, and social norms. This course includes works from diverse authors to stimulate discussions about important societal, cultural, and ethical issues. In addition, students will explore several film adaptations of the written novels to draw comparisons from a sociocultural perspective. Based on student requests, this course may be offered on alternate years.

**CREATIVE WRITING 1 (1250)**

**Grades 9-12**

**Half Year, .5 Credit**

*Prerequisite: None*

Creative Writing exposes students to the challenges of writing short stories, poetry and drama by providing extensive practice in these genres. The course is a workshop/seminar with the students’ own writing serving as the primary material for discussion and analysis. Assignments will be geared toward providing a variety of writing experiences, covering such skills as characterization, point of view, narration and dialogue. Student work is gathered, and our award-winning literary magazines, Penumbra and Solstice, include much of the student writing from the course. This course may be repeated for credit.

**CREATIVE WRITING 2 (1260)**

**Grades 10-12**

**Half Year, .5 Credit**

*Prerequisite: Creative Writing 1*

Creative Writing 2 is a continuation of Creative Writing 1 with the emphasis adapted to meet individual students’ interests in short stories, plays and poems. Individual projects will be developed cooperatively between student and teacher in a workshop/seminar atmosphere. Student work is gathered, and our award-winning literary magazines, Penumbra and Solstice, include much of the student writing from the course. This course may be repeated for credit.

**FILM AND LITERATURE (1235)**

**Grades 9-12**

**Half Year, .5 Credit**

*Prerequisite: None*

This course will explore the relationship between literature and cinema by focusing on film adaptations of popular and classic literature. Students will read a variety of literary genres such as the novel, short stories and nonfiction essays, and then view selections from the corresponding films. The course will examine various genres such as romance, children's literature, crime/noir, Westerns, science fiction, horror/suspense, classics and drama. By understanding the process by which we “read” a film, students will be able to better dissect a text. Students will examine both literary and film devices to address the central questions: How can analyzing film adaptations allow us to better understand the techniques and purpose of both literature and film in our society? What are the underlying issues and possibilities in the process of adapting a text? There will be a variety of writing assignments including film reviews, blog entries, adaptation assessments, and creative writing. Based on student requests, this course may be offered on alternate years.
INTRO TO JOURNALISM & MEDIA LITERACY (1321)
Grades 9-12
Half Year, .5 Credit
Prerequisite: None
This preliminary course will introduce students to aspects of print and mass media. Students will have an opportunity to improve their writing by actively participating in the writing process, beginning with brainstorming and ending with publication. Students will be introduced to various forms of media, learning how to consume and evaluate the media in its various forms. The primary purpose of the course is to involve students in the various activities that are part of producing a print and online newspaper and publishing written work.

JOURNALISM & MEDIA LITERACY (1322)
Grades 10-12
Full Year, 1 Credit
Prerequisite: None
Journalism & Media Literacy is a full-year elective course designed to stimulate and challenge serious writers. Students will have the opportunity to write, edit, produce and even broadcast their stories in various forms including, but not limited to, print, radio, video, websites and podcasts. The class functions primarily as a workshop to produce MSGVarsity.com content and the school newspapers for Smithtown High School's eastern and western campuses (both The Bull's Eye and The Matador are award-winning publications). Students must have a passion for writing and a strong interest in newspapers, broadcast journalism, current events and photography. Students must be able to gather information, generate stories, take photos and video, cover events outside of the regular school day, and work with a group to share and receive constructive criticism of their products. The course will cover interviewing techniques, research procedures, career opportunities and freedom of the press, as well as the production, editing and social skills associated with broadcasting. This course may be repeated for credit.

SPEAK UP! (1285)
Grades 9-12
Half Year, .5 Credit
Prerequisite: None
Do you want to participate more in classes? Do you wish you could join in lively conversations? Are you too nervous during presentations? Do you love to debate others? Speak Up! is an exciting elective course for students who wish to overcome fears of public speaking. Students will get to choose topics, learn how to craft effective speeches and build their speaking confidence. Basic and advanced techniques will be explored, including interviews, reading stories aloud, random rants, sports and celebrity commentary, debating hot issues, etc. Based on student requests, this course may be offered on alternate years.

SPORTS IN LITERATURE (1271)
Grades 9-12
Half Year, .5 Credit
Prerequisite: None
This course looks at the role of sports in the collective conscience of American culture since the beginning of the 20th century. Through fiction, nonfiction, poetry, and film, students will come to an understanding of both the impact of sports on society and how society impacted the games we love to play and watch. Based on student requests, this course may be offered on alternate years.

THEATRE ARTS (1225)
Grades 9-12
Full Year, 1 Credit
Prerequisite: None
This course fulfills the art/music credit required for graduation.
English

Grade 9

English 9 Honors or English 9

Grade 10

English 10 Honors or English 10

Grade 11

AP Capstone Seminar – English or English 11
AP English Language and Composition

Grade 12

AP English Language and Composition or English 12
AP English Literature and Composition or AP Capstone Research – English or English 12 Honors (ACE Program)

Electives

Introduction to Journalism & Media Literacy
Film and Literature
Creative Writing 1

Journalism & Media Literacy
Speak Up!
Creative Writing 2

Sports in Literature
Contemporary Young Adult Literature
Theatre Arts

College Advisory
20th-Century American Pop Culture
Family & Consumer Sciences Courses

(Career & Technical Education)

CHEF’S CHOICE 1 (6005)
Grades 9-12  
Half Year, .5 Credit  
Prerequisite: None  
This is an important course for every high school student, whether college or career bound. Course contents incorporate sound nutrition concepts with practical food labs. Students learn the importance of teamwork, time management and healthy diets while preparing various foods. Food demonstrations and guest speakers are part of the course.

CHEF’S CHOICE 2 (6015)
Grades 9-12  
Half Year, .5 Credit  
Prerequisite: Chef’s Choice 1  
This course focuses on the preparation of a variety of foods. Students work cooperatively in a lab setting incorporating advanced cooking methods and techniques. Complete meals are prepared with an emphasis on presentation and nutrition.

BAKING (6080)
Grades 9-12  
Half Year, .5 Credit  
Prerequisite: None  
No prior cooking experience is necessary to enroll in this class. Students will learn the basics of food preparation along with the principles of baking cookies, cakes, pies and breads. Cake decorating techniques will be taught. This basic unit culminates with a cake-decorating contest. Guest speakers and field trips are incorporated whenever possible.

FOOD SCIENCE (6085)
Grades 11-12 or Grade 10 (with departmental permission)  
Full Year, 1 Credit  
Credit for this course may be used to meet the third-year science requirement.  
Prerequisite: None  
This course is designed to reinforce and enhance students’ knowledge of scientific principles and processes as it applies to the study of food and nutrition. Food Science connects aspects of food chemistry, biology, earth science and psychology to real-life examples through class discussions, experiments, projects and cooking labs. It explains the scientific principles and processes that occur inside your pan each time you cook and inside your body every time you eat. Students will have the opportunity to cook and sample nutritious foods to observe their impact on the human body. This course is great for students interested in career and technical education as well as the field of food preparation or dietetics.

CHILD DEVELOPMENT (6030)
Grades 10-12  
Half Year, .5 Credit  
Prerequisite: None  
Do you enjoy children? Are you interested in becoming a teacher, pediatrician or counselor? Students learn about the stages of childhood as they study the behavior of infants, toddlers and preschoolers in this class. Caring for our simulated baby allows students to acquire parenting skills and realistic expectations of children’s needs.

COLLEGE CHILD DEVELOPMENT (6040)
Grade 12 or Grade 11 (with departmental permission)  
Half Year, .5 Credit  
Students may elect to take the course for 3 college credits from LIU Post.  
Prerequisite: None  
Recommendation: Child Development  
This course provides an in-depth study of the five periods of childhood, from prenatal development through adolescence. Fieldwork at a local elementary school or day care center will be incorporated when possible. Students explore current child development research and findings.
EARLY CHILDHOOD & NURSERY (6050)
Grades 10-12
Half Year, .5 Credit
Students may elect to take the course for 3 college credits from LIU Post.
Prerequisites: Child Development or departmental permission
Students work directly with preschoolers as they operate a nursery school for neighborhood children. Students gain insight into the developmental needs of children as they prepare crafts, snacks, games, stories, self-help, reading readiness and number concept activities for children in a safe, nurturing environment. This course is a must for all those planning to work with children in their career or share their lives with children.

ADVANCED EARLY CHILDHOOD & NURSERY (6070)
Grades 11-12
Half Year, .5 Credit
Prerequisite: Early Childhood & Nursery

ADVANCED CHILDHOOD & NURSERY LEADERSHIP (6100)
Grade 12
Half Year, .5 Credit
Prerequisite: Advanced Early Childhood & Nursery
This is an option for students who desire additional experience working with the preschool program. Course requirements and projects will be determined on an individual basis to meet the student’s needs and goals.

RELATIONSHIPS (6065)
Grades 11-12
Half Year, .5 Credit
Prerequisite: None
Relationships is a valuable course for all students seeking to acquire the knowledge and understanding for healthy, respectful and caring relationships throughout their lives. Course topics include communication skills, leadership skills, teamwork, conflict prevention, building and maintaining relationships, problem-solving and decision-making, and the effects of social media on relationships. Emphasis will be put on family relationships, friendships, dating and lifelong mates. In all areas of study, focus will be on the individual’s well-being. Students will be able to apply the knowledge gained in their real-life relationships and apply the skills learned in all areas of their lives. Based on student requests, this course may be offered on alternate years.

INTERIOR DESIGN (6115)
Grades 9-12
Half Year, .5 Credit
Prerequisite: None
*Note: When Interior Design and Clothing Construction 1 are both selected, they may be used to fulfill the art/music graduation requirement.
This course provides students the opportunity to develop skills in applying the elements and principles of design to interiors and enables the students to explore their creativity. Projects are integrated throughout the course to provide applications of housing styles and trends, furniture styles and placement, design and function of space, green designs and designing floor plans. A craft unit allows students to create simple crafts for the home. Students will explore the many careers available in this field.

CLOTHING CONSTRUCTION 2 (6095)
Grades 9-12
Half Year, .5 Credit
Prerequisite: Clothing Construction 1
This course will expand on the basic techniques learned in Clothing Construction 1. Projects will incorporate skills learned in the prior course as well as new skills such as sewing in a zipper, setting in a sleeve, and many other pertinent techniques. Two to three construction projects will be completed during the semester. This is a must-have course for any student thinking of pursuing a career in fashion and/or design. It is also a great course for any student who wishes to enhance his or her sewing skills.
Family & Consumer Sciences

Food & Nutrition
- Baking
- Chef’s Choice 1
- Food Science
  - Chef’s Choice 2

Home & Personal Management
- Interior Design
- Clothing Construction 1
  - Clothing Construction 2

Nursery & Child Development
- Child Development and/or College Child Development
  - Early Childhood & Nursery
    - Advanced Early Childhood & Nursery
      - Advanced Early Childhood & Nursery Leadership

Behavior
- Relationships
Health Courses

HEALTH (4850)
Grades 9-12
Half Year, .5 Credit
Prerequisite: None
This is a one-semester offering concentrating on specific health problems and concerns. Topics include mental health, drug abuse, alcohol, tobacco, consumer health, disease prevention, proper nutrition and family living. The program is designed to promote health and wellness through healthy decision-making and promotion of a healthy lifestyle. Successful completion is required for graduation.

FIRST AID & CPR (4880)
Grades 10-12
Half Year, .5 Credit
Prerequisite: Health
This course is designed to help students prepare for all first-aid emergencies. Many students will find the course particularly helpful in obtaining summer employment, as Suffolk County requires a CPR certificate for all lifeguards. Teachers involved in the program are certified as American Red Cross instructors and will issue certificates in: A. Standard First Aid and B. Cardiopulmonary Resuscitation.

SPORTS MEDICINE (4875)
Grades 10-12
Half Year, .5 Credit
Prerequisite: Health
Recommendation: Students have taken First Aid & CPR
This course is designed to prepare students with an understanding of the prevention and care of athletic injuries and accidents. This course allows students to begin the study of anatomy and physiology, and kinesiology science. Topics will focus on the prevention, evaluation and rehabilitation of sports-related injuries. Various health careers related to sports medicine will also be explored. Students interested in pursuing careers in sports medicine, athletic training, physical therapy, occupational therapy, nursing and physical education would find this course to be a great introduction to their future profession. Future college athletes will also find this course helpful for the prevention and care of personal injuries.

THE REAL WORLD: COLLEGE HEALTH ISSUES (4855)
Grade 12
Half Year, .5 Credit
Prerequisite: Health
This course is designed with the graduating senior in mind. It will explore life outside of high school. Whether it be college or work, this course will be focused on the “real world.” This class will be student-centered. Students will have the opportunity to add to the topics covered by the instructor. Some topics included will be campus life, the interview process, stress management, time management, addictions, relationships, wellness, human sexuality and social media. Classroom instruction will also focus on resources students can access within the community and online. In a world full of information, it is important for students to be able to access and utilize credible resources in their daily lives.

L.I.F.E. (4866)
Grades 10-12
Half Year, .5 Credit
Prerequisite: None
L.I.F.E. (Learning to Identify Feelings and Emotions) will introduce students to skills that will help lead to a healthy and balanced lifestyle. Health, nutrition and mindfulness will be the core concepts emphasized. Students will be introduced to topics that encompass their daily lives as well as coping techniques that will help to decrease stress and increase social-emotional functioning. Discussions will focus on social media, communication skills and the five most important components of relationships (communication, respect, trust, acceptance and shared goals/values). Students will develop skills for daily personal and interpersonal skills. This course may be repeated for credit. Based on student requests, this course may be offered on alternate years.
Health

- First Aid & CPR
- Sports Medicine
- The Real World: College Health Issues
- L.I.F.E. (Learning to Identify Feelings and Emotions)
ALGEBRA 1 (3170)
Grade 9
Full Year, 1 Credit
Prerequisite: Math 8
Recommendation: Math 8 with a grade of at least B
This is the first course of the high school Regents mathematics courses. It is a one-year course which meets the New York State Learning Standards in Algebra 1. This course emphasizes skills and processes to enable students to successfully solve problems in different settings. The focal point of the course is algebra: solving linear equations, quadratic equations, systems of equations, graphing lines and parabolas, and work with functions. Students take the Algebra 1 Regents examination in June. The Regents examination grade counts as one-ninth of the overall course grade. This course requires the use of a graphing calculator, which is provided by the school.

ALGEBRA 1 (3170RE)
Grade 9
Full Year, 1 Credit
7.5 Periods/Week
Prerequisite: Math 8
This course follows the same curriculum as Algebra 1 but includes additional class time as it meets for double periods on alternate days. The course requires the use of a graphing calculator, which is provided by the school. Students will take the Algebra 1 Regents examination in June. The Regents examination grade counts as one-ninth of the overall course grade.

GEOMETRY HONORS (3280)
Grades 9-10
Full Year, 1 Credit
Prerequisite: Algebra 1
Recommendation: Algebra 1 (grade 8) with a grade of at least B+ or Algebra 1 (grade 9) with a grade of at least A
This course is the first of our honors program. It is a one-year course which meets the New York State Learning Standards in Geometry. The course is also enriched with select advanced topics. Problem-solving skills, creative thinking and real-life applications are explored. Students are expected to participate in various mathematics competitions and research. The course includes geometric relationships, constructions, locus, informal and formal proofs, transformational geometry, coordinate geometry and trigonometry. This course requires the use of a graphing calculator, which is provided by the school. Students take the Geometry Regents examination in June. The Regents examination grade counts as one-ninth of the overall course grade.

GEOMETRY (3270)
Grades 9-10
Full Year, 1 Credit
This is the second course of the high school Regents mathematics courses. It is a one-year course which meets the New York State Learning Standards in Geometry. The course emphasizes conceptual understanding and problem-solving abilities rather than assessing knowledge of isolated skills and facts. The course includes geometric relationships, constructions, locus, informal and formal proofs, transformational geometry, coordinate geometry and trigonometry. This course requires the use of a graphing calculator, which is provided by the school. Students take the Geometry Regents examination in June. The Regents examination grade counts as one-ninth of the overall course grade.

GEOMETRY (3270RE)
Grades 9-10
Full Year, 1 Credit
7.5 Periods/Week
Prerequisite: Algebra 1
Recommendation: Algebra 1 with a grade between C- and B- or Algebra 1RE with a grade of at least B
This course follows the same curriculum as Geometry but includes additional class time as it meets for double periods on alternate days. This course requires the use of a graphing calculator, which is provided by the school. Students take the Geometry Regents examination in June. The Regents examination grade counts as one-ninth of the overall course grade.
The additional class time may satisfy the academic intervention service requirement.

**PRINCIPLES OF GEOMETRY (3275)**

Grade 10
Full Year, 1 Credit
Prerequisite: Algebra 1
This is a one-year course that covers select topics from the Geometry R curriculum but with less emphasis on formal proof. This course includes geometric relationships, constructions, informal proofs and coordinate geometry. There are four quarterly exams in this course. Students enrolled in this course do not take the New York State Regents examination in Geometry.

**ALGEBRA 2 HONORS (3310)**

Grades 10-11
Full Year, 1 Credit
Prerequisite: Geometry Honors or Geometry or Foundations in Advanced Algebra
Recommendation: Geometry with a grade of at least B
This is the second of our honors program. It is a one-year course which meets the New York State Learning Standards in Algebra 2. This course is also enriched with select advanced topics. The course emphasizes conceptual understanding and problem-solving abilities rather than assessing knowledge of isolated skills and facts. The course includes the study of real and complex numbers; solving and applying polynomial, rational and radical equations; exploration of trigonometric, exponential and logarithmic functions and their applications; the relation of the geometric series to finance; the use of probability; and modeling data distributions to draw conclusions. This course requires the use of a graphing calculator, which is provided by the school. Students complete this course will be eligible to take Algebra 2 Regents examination in June. The Regents examination grade counts as one-ninth of the overall course grade.

**ALGEBRA 2 (3300)**

Grades 10-12
Full Year, 1 Credit
Prerequisite: Geometry Honors or Geometry or Foundations in Advanced Algebra
Recommendation: Geometry with a grade of at least B
This is the third and final course of the high school Regents mathematics courses. It is a one-year course which meets the New York State Learning Standards in Algebra 2. The course emphasizes conceptual understanding and problem-solving abilities rather than assessing knowledge of isolated skills and facts. The course includes the study of real and complex numbers; solving and applying polynomial, rational and radical equations; exploration of trigonometric, exponential and logarithmic functions and their applications; the relation of the geometric series to finance; the use of probability; and modeling data distributions to draw conclusions. This course requires the use of a graphing calculator, which is provided by the school. Students take the Algebra 2 Regents examination in June. The Regents examination grade counts as one-ninth of the overall course grade.

**FOUNDATIONS IN ADVANCED ALGEBRA (3290)**

Grades 10-12
Full Year, 1 Credit
Prerequisite: Geometry Honors or Geometry
Recommendation: Geometry RE with a grade of at least C-
This is a one-year course which meets select New York State Learning Standards in Algebra 2. The course is designed to build on algebraic and geometric concepts learned in previous math courses. It will develop and master advanced algebraic skills such as solving systems of equations, understanding properties of higher-degree polynomials including roots and end behavior, exploring exponential and rational functions algebraically and graphically, and drawing conclusions using probability. This course will also introduce higher-level mathematics such as matrices and complex fractions. This course requires the use of a graphing calculator which is provided by the school. Students who successfully complete this course will be eligible to take Algebra 2.

**INTERMEDIATE ALGEBRA 1 (3122)**

Grades 11-12
Full Year, 1 Credit
Prerequisite: Geometry or Principles of Geometry
Recommendation: Geometry or Principles of Geometry
Students will continue to explore mathematical concepts while strengthening their algebraic skills. Topics include real-life applications in the areas of advanced algebra, exponential and logarithmic functions, and statistics. Students will complete
INTRODUCTION TO CALCULUS HONORS (3174)
Grades 11-12
Full Year, 1 Credit
Prerequisite: Algebra 2 Honors or Algebra 2
Recommendation: Algebra 2 Honors with a grade of at least B+ or Algebra 2 with a grade of at least A
This course is designed to prepare students for the Advanced Placement Calculus BC course. A rigorous approach to calculus with some precalculus is studied. Topics include functions and their graphs, limits and continuity, the derivative and its application, curve sketching, Rolle's Theorem, The Mean Value Theorem, techniques of integration and its application, area under a curve, area bounded by two curves, volumes of revolution, conic sections, and logarithmic and exponential functions. This course requires the use of a graphing calculator, which is provided by the school.

FUNCTIONS & STATISTICS (3125)
Grades 11-12
Full Year, 1 Credit
Prerequisite: Algebra 2 Honors or Algebra 2
Functions and Statistics includes precalculus concepts such as circular functions, rational functions, logarithmic functions, matrices, family of functions, and transformations. The course will also expose students to some elements of a college statistics course, including regression models and normal and binomial distributions.

INTERMEDIATE ALGEBRA 2 (3123)
Grades 11-12
Full Year, 1 Credit
Prerequisite: Intermediate Algebra 1
Students will continue to explore mathematical concepts while strengthening their algebraic skills. Topics include real-life applications in the areas of advanced algebra, exponential and logarithmic functions, trigonometry, conic sections and statistics. Students will complete four projects and take four quarterly exams.

AP CALCULUS AB (3150)
Grade 12
Full Year, 1 Credit
Prerequisite: Introduction to Calculus Honors or Introduction to Calculus
Recommendation: Introduction to Calculus with a grade of at least A
This course will include an overview of a typical first-semester college calculus course. It meets for double periods on alternating days. This course is equivalent to two semesters of college calculus. It meets for double periods on alternating days. Topics include methods of integration (by parts and partial fractions), L'Hospital's rule, improper integrals, polynomial approximations, sequences and series, tests for convergent and divergent series, Taylor series, McLaurin series, parametric equations and polar equations. This course requires the use of a graphing calculator, which is provided by the school. All students will take the Advanced Placement Calculus AB exam.

AP CALCULUS BC (3175)
Grade 12
Full Year, 1 Credit
Prerequisite: Introduction to Calculus Honors or Introduction to Calculus
Recommendation: Introduction to Calculus Honors with a grade of at least B+
This course is equivalent to two semesters of college calculus. It meets for double periods on alternating days. Topics include methods of integration (by parts and partial fractions), L'Hospital's rule, improper integrals, polynomial approximations, sequences and series, tests for convergent and divergent series, Taylor series, McLaurin series, parametric equations and polar equations. This course requires the use of a graphing calculator, which is provided by the school. All students will take the Advanced Placement Calculus BC exam.

CALCULUS (3140)
Grade 12
Full Year, 1 Credit
Prerequisite: Introduction to Calculus Honors or Introduction to Calculus
Calculus serves as a powerful tool in the solution of many complex technological problems that arise in physics, engineering, chemistry, and other related fields. Topics include real numbers, introduction to analytic geometry, functions, limits and continuity, the derivative, applications of the derivative, antidifferentiation and the definite integral. This course gives an overview of a typical first-semester college calculus course. This course requires the use of a graphing calculator,
which is provided by the school.

AP STATISTICS (3127)
Grades 10-12
Full Year, 1 Credit
Prerequisites Geometry Honors or Geometry
Recommendation: Geometry with a grade of at least B
In this course, students are exposed to four broad conceptual themes: exploring data, planning a study, anticipating patterns using probability and simulation, and statistical inference. Students who plan to take an AP science course will benefit greatly from AP Statistics. At least one statistics course is typically required for college majors such as engineering, psychology, sociology, health science and business. Students who successfully complete the course and examination may receive credit and/or advanced placement for a one-semester introductory college statistics course. This course can be taken concurrently with Algebra 2 Honors, Introduction to Calculus Honors, Introduction to Calculus, AP Calculus or Calculus.

COMPUTER SCIENCE FOR INNOVATION (3228)
Grades 9-10
Half Year, .5 Credit
Prerequisite: None
How does computer science make things work? This course is for students who wish to learn more about how computer science is applied in real life. This course combines concepts from two PLTW Gateway courses: PLTW Innovators and Makers and PLTW App Creators. Students who have taken PLTW App Creators in middle school may also enroll in this course. In the first part of this course, students will use block coding to gain knowledge of how coding flows, design algorithms, utilize computational thinking practices, and code and upload programs to microcontrollers that perform a variety of authentic tasks. Teams select and solve a personally relevant problem related to wearable technology, interactive art, or mechanical devices. Students will then continue expanding their knowledge of computational thinking through the creation of mobile apps. Students continue the use of block coding as they collaboratively design and develop mobile solutions to authentic problems. Students experience the positive impact of the application of computer science to society as well as to other disciplines, particularly biomedical science. There is no PLTW end-of-course examination (EoC) for this course.

AP/PLTW COMPUTER SCIENCE PRINCIPLES (3235)
Grades 9-12
Full Year, 1 Credit
Prerequisite: Algebra 1
In this course, students learn to automate tasks in a variety of languages, find patterns in data and interpret simulations. Students collaborate and work in teams to develop computational thinking, and create and present solutions that can improve people’s lives. This course does not aim to teach mastery of a single programming language but aims instead to develop computational thinking, to generate excitement about the field of computing, and to introduce computational tools that foster creativity. This course also builds students’ awareness of the tremendous demand for computer specialists and for professionals in all fields who have computational skills. This PLTW course addresses all learning objectives in the College Board’s AP CS Principles framework. All students will take the Advanced Placement examination as well as the PLTW end-of-course examination.

INTRO TO COMPUTER SCIENCE PROGRAMMING (3250)
Grades 10-12
Full Year, 1 Credit
Prerequisite: Geometry Honors or Geometry
This course is an introduction to programming. Students who have a strong mathematics background and a love of solving puzzles will enjoy this course. Students are introduced to computer programming concepts, such as loop structures, conditional statements and arrays. Object-oriented concepts such as inheritance, abstract classes and interfaces will be introduced. More advanced topics including linked lists, files, stack and queues, recursion, searches and sorts may be included. Students will also delve into web applications by writing applets.

AP COMPUTER SCIENCE A (3260)
Grades 11-12
Full Year, 1 Credit
Prerequisite: Introduction to Computer Science Programming
In this course, students learn to develop programs using object-oriented programming. Students are introduced to Object-Oriented Programming and use various programming languages. Students are expected to have a strong understanding of programming concepts and to be able to apply them in the context of the course. This course is comparable to a first-year course in a college or university computer science department. The major emphasis is on programming methodology, algorithms and data structures. Applications are used to develop student awareness of the need for particular algorithms and data structures. Applications are used to provide topics for programming assignments to which students can apply their knowledge. A particular programming language constitutes the vehicle for implementing computer-based solutions to particular problems. Treatments of computer systems and social implications of computing are integrated into the course.
Mathematics

Algebra 1
  /\  
Principles of Geometry  Geometry or Geometry Honors
  \  
Intermediate Algebra 1  Foundations in Advanced Algebra
  /\  
Intermediate Algebra 2  Algebra 2 or Algebra 2 Honors
  \  
Functions & Statistics  Introduction to Calculus  Introduction to Calculus Honors
  /\  
Calculus  AP Calculus AB  AP Calculus BC

Electives

Computer Science for Innovation  Intro to Computer Science Programming  AP Statistics

AP/PLTW Computer Science Principles  AP Computer Science A
CONCERT CHOIR (7710)
Grades 9-12
Full Year, 1 Credit
Prerequisite: None
Recommendation: Prior musical experience is beneficial.
Open to all students whose skill level meets the criteria necessary for success at the high school level. This is a musical group devoted to the study of advanced choral literature. Members meet each day for an ensemble rehearsal. Attendance is required at one additional rotating lesson period each week. This course may be repeated for credit.

CONCERT BAND (7680)
Grades 9-12
Full Year, 1 Credit
Prerequisite: The ability to perform high school-level music on a band instrument.
This is a musical group devoted to the study and performance of a variety of styles and levels of wind-band music. Members meet each day for an ensemble rehearsal. Attendance is required at one additional rotating lesson period each week. This course may be repeated for credit.

CONCERT ORCHESTRA (7640)
Grade 9-12
Full Year, 1 Credit
Prerequisite: The ability to perform high school-level music on an orchestral string instrument.
Open to all orchestral string players. Members meet each day for an ensemble rehearsal. Attendance is required at one additional rotating lesson period each week. This course may be repeated for credit.

SYMPHONIC ORCHESTRA (7650)
Grades 10-12
Full Year, 1 Credit
Prerequisite: The ability to perform upper-level high school music on an orchestral string instrument.
Open to all students whose skill level meets the criteria necessary for success at the high school level. This is a musical group devoted to the study and performance of a variety of styles and levels of orchestral music. Members meet each day for an ensemble rehearsal. Attendance is required at one additional rotating lesson period each week. This course may be repeated for credit.

SYMPHONIC BAND (7670)
Grades 10-12
Full Year, 1 Credit
Prerequisites: The ability to perform upper-level high school music on a band instrument. Audition required. Departmental permission is necessary. Balanced instrumentation is also taken into consideration.
This musical group is devoted to the study and performance of the most advanced wind-band music. Members meet each day for an ensemble rehearsal. Attendance is required at one additional rotating lesson period each week. This course may be repeated for credit.

AP MUSIC THEORY (7730)
Grades 10-12
Full Year, 1 Credit
Prerequisite: Music Theory or departmental permission
The curriculum is one that follows the College Board Advanced Placement Program syllabus. The course is designed to cover the scope of work that would be equivalent to a first-year college course in music theory. Students will develop the ability to recognize, understand and describe the basic materials and processes of music that are heard or presented in a score through ear training, sight singing, analysis, composition and rhythmic studies. All students accepted into this program will be expected to take the Advanced Placement examination. Based on student requests, this course may be offered on alternate years.

ADVANCED MUSIC THEORY (7740)
Grades 11-12
Full Year, 1 Credit
Prerequisite: AP Music Theory
This course is designed for students who have completed AP Music Theory and want to pursue additional advanced studies in music theory through the application of Advanced Placement content within individualized projects. Students will further develop their understanding of technical, stylistic, expressive and rhetorical elements of music to aid with analysis and composition of music. Based on student requests, this course may be offered on alternate years.
Music

Performing Ensembles

Concert Choir or Treble Choir

Concert Band

Symphonic Band

Concert Orchestra

Symphonic Orchestra

Music Theory

Music Theory

AP Music Theory

Advanced Music Theory
PHYSICAL EDUCATION 9 (8000)
Full Year, Alternate Days, .5 Credit
Prerequisite: None
The ninth-grade physical education curriculum is a program designed to improve physical well-being, social skills and behavior in students through structured activities. Students will experience designed activities and basic Crossfit training principles that will promote movement concepts, advance motor skills, improve core strength and enhance fitness levels. Additionally, self-confidence, self-esteem, leadership skills, communication skills, mutual support, respect toward differences, and the ability to formulate and achieve goals will be targeted through the structured activities.

PHYSICAL EDUCATION GRADES 10-12
Full Year, Alternate Days, .5 Credit
Prerequisite: None
The grade 10-12 program is designed to foster lifetime wellness awareness, increase fitness and broaden healthy lifestyle choices. Special attention will be given to the development of cardiovascular endurance, muscular strength and flexibility. Student health and wellness will be explored and developed. Emphasis on fitness is enhanced and improved. The units will guide students’ knowledge of fitness concepts as well as the understanding and need to lead a healthy lifestyle. Guided instruction will include units in net sports, project adventure activities, step aerobics, and wellness-associated activities.

Students will be able to select from a list of courses to complete their physical education experience. This program is designed progressively and will guide students in their pursuit of leading a healthy lifestyle. The pursuit of lifetime fitness is strengthened and enhanced. Students will have an understanding of components and resources available to them as well as the knowledge to establish and direct their own personal fitness program. These electives encompass higher-level strategies, processing and the application of skills. Fitness is an integral aspect in all of these electives.

Students are encouraged to select different courses for each year. Courses to choose from are listed below.

TEAM SPORTS (8700)
Prerequisite: None
This course is designed to improve skill acquisition in the sports of football, soccer, volleyball, basketball, softball, team handball and ultimate frisbee. Other team sports may be substituted or added due to enrollment, facility space, etc. Students will be involved with organizing and participating in small-sided games with the focus on developing the necessary skills needed to become successful at these sports. Sport-specific conditioning exercises will be completed daily. Teambuilding concepts will be developed and discussed.

LIFETIME SPORTS (8720)
Prerequisite: None
This course is designed to provide knowledge and improve skills in sports that can be participated in for a lifetime. Students will receive basic instruction in archery, badminton, tennis, volleyball and golf. Both individual and team competitions will be organized. Conditioning and lifelong fitness will be emphasized and explored in relation to these sports.

MOVEMENT AND EXPLORATION (8790)
Prerequisite: None
Explore movement through creative dance, hatha yoga, karate, self-defense, and aerobic and anaerobic conditioning exercises. Students will receive valuable information regarding heart rate monitoring, nutrition, fitness principles, stress relief and anatomy.

PERSONAL FITNESS (8750)
Prerequisite: None
This course is designed to improve the physical fitness level of individuals. Through anaerobic and aerobic conditioning exercises, students will learn how to monitor their progress during a specific workout plan geared towards their needs. Nutrition, anatomy, fitness principles and various training methods will be discussed, incorporated and tested. Students will gain knowledge that will allow them to monitor themselves outside of school.

ADVENTURE EDUCATION (8785)
Grade 12 Only
Prerequisite: None
This adventure course will explore various warmup games, trust-building exercises, group initiatives and problem-solving activities. The students will develop the necessary skills needed to complete the low- and high-challenge course. Leadership and communication skills will be enhanced through team-building activities.
Physical Education

Grade 9

Physical Education 9

Grade 10

Lifetime Sports

Movement and Exploration

Personal Fitness

Team Sports

Grade 11

Adventure Education (Grade 12 only)

Grade 12
Science Courses

EARTH SCIENCE (4010)
Grades 9-12
Full Year, 1 Credit
7.5 Periods/Week
Prerequisite: None
This lab course is based on the activities and content specified in the New York State Earth Science curriculum. It is an interdisciplinary program that applies many of the topics of physics, biology, chemistry and mathematics studied in earlier grades. The Earth Science course culminates in a Regents exam which counts as one-ninth of the overall course grade.

PROJECT PHYSICAL WORLD (4005)
Grades 9-12
Full Year, .5 Credit
2.5 Periods/Week
Recommendation: Departmental placement
Co-requisite: Earth Science
This course is designed to provide students with the opportunity to investigate selected physical science topics that will enhance their understanding of concepts in Earth Science. Hands-on activities are an integral component of the class. Students are encouraged to identify topics within the physical world that they would enjoy researching.

EARTH SCIENCE HONORS (4030)
Grade 9
Full Year, 1 Credit
7.5 Periods/Week
Prerequisite: Science 8 or Biology
Co-requisite: Algebra 1 (if not previously completed)
Recommendation: Science 8 with a grade of at least A or Biology with a grade of at least B+
This lab course is designed for students who have demonstrated high academic ability and are willing to accept the demands of a particularly rigorous course of study.

PROJECT LIVING WORLD (4045)
Grades 10-12
Full Year, .5 Credit
2.5 Periods/Week
Recommendation: Departmental placement
Co-requisite: Biology
This course is designed to provide students with the opportunity to investigate selected topics in biology that will enhance their experience in the Living Environment course. Hands-on activities are an integral component of the class. Students are encouraged to identify biological concepts that they would enjoy researching.

BIOLOGY (4050)
Grades 10-12
Full Year, 1 Credit
7.5 Periods/Week
Prerequisite: AP Biology or Biology
Co-requisite: Algebra 2 Honors, Algebra 2 or Foundations in Advanced Algebra
Recommendation: Biology with a grade of at least B
This is an introductory chemistry course that addresses atomic concepts, nuclear chemistry, the periodic table, nomenclature, chemical bonding, solutions, kinetics/equilibrium, acids, bases and salts, oxidation-reduction and organic chemistry. The course involves hands-on experimentation and problem-solving. The course concludes with the Chemistry Regents examination, which counts as one-ninth of the overall course grade.

AP BIOLOGY (4060)
Grade 10
Full Year, 1 Credit
10 Periods/Week
Prerequisite: Earth Science Honors or Earth Science
Recommendation: Earth Science with a grade of at least A or Earth Science Honors with a grade of at least B+
Sophomore students who are accepted into this rigorous program will take 10 periods of college-level biology per week. The Advanced Placement curriculum will be followed. A college text, study guide, outside readings, lectures, discussions and laboratory activities will be utilized in this course. By mid-May the students are prepared for and are required to sit for the Advanced Placement examination in Biology. Students who have not taken Living Environment (Biology) 4050 are required to take the Living Environment Regents examination administered in June.

CHEMISTRY (4100)
Grades 10-12
Full Year, 1 Credit
7.5 Periods/Week
Prerequisite: AP Biology or Biology
Co-requisite: Algebra 2 Honors, Algebra 2 or Foundations in Advanced Algebra
Recommendation: Biology with a grade of at least B
This is an introductory chemistry course that addresses atomic concepts, nuclear chemistry, the periodic table, nomenclature, chemical bonding, solutions, kinetics/equilibrium, acids, bases and salts, oxidation-reduction and organic chemistry. The course involves hands-on experimentation and problem-solving. The course concludes with the Chemistry Regents examination, which counts as one-ninth of the overall course grade.
AP CHEMISTRY (4120)
Grade 12
Full Year, 1 Credit
10 Periods/Week
Prerequisite: AP Physics 1, Physics or Chemistry

This course is designed for students who have demonstrated achievement and interest at a level well above average in both mathematics and science. Emphasis is on the basic principles of chemistry, often described quantitatively, and often derived from the laboratory experience. Instruction is on the college level, and by mid-May students are prepared for, and are required to sit for, the Advanced Placement examination in Chemistry. Students will also sit for the Chemistry Regents examination in June, which counts as one-ninth of the overall course grade.

PHYSICS (4080)
Grades 11-12
Full Year, 1 Credit
7.5 Period/Week
Prerequisite: AP Biology or Biology

This course is a study of motion, heat, waves, sound, optics, electricity, electronics and nuclear energy. Recitation classes and a comprehensive laboratory program develop concepts. Basic mathematical, trigonometric and algebraic skills are necessary for student mastery of many of the topics. This course culminates in the Physics Regents examination, which counts as one-ninth of the overall course grade.

AP PHYSICS 1 (4091)
Grades 11-12
Full Year, 1 Credit
10 Periods/Week
Prerequisite: AP Biology or Biology

This course is designed for 11th- and 12th-graders who have demonstrated achievement and interest at a level well above average in both mathematics and science. AP Physics 1 is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rotational motion) work, energy, and power; mechanical waves and sound; and introductory simple circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. By mid-May the students are prepared for and are expected to sit for the Advanced Placement examination in AP Physics 1. They will also sit for the Physics Regents Examination administered in June, which counts as one-ninth of the overall course grade.

AP PHYSICS 2 (4092)
Grade 12
Full Year, 1 Credit
5 Periods/Week
Prerequisite: AP Physics 1

AP Physics 2 is the second year of a two-year progression of algebra-based, introductory college-level physics. AP Physics 2 explores topics such as fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic and nuclear physics. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. By mid-May, the students are expected to sit for the Advanced Placement examination in AP Physics 2.

AP PHYSICS WITH CALCULUS (4110)
Grade 12
Full Year, 1 Credit
5 Periods/Week
Prerequisite: AP Physics 1

This is a second-level AP Physics course especially appropriate for students planning to major in physical science, computer science or engineering. The course is equivalent to two semesters of calculus-based, college-level physics. The course explores topics such as kinematics; Newton’s laws of motion; work, energy and power; systems of particles and linear momentum; circular motion and rotation; oscillations and gravitation; electrostatics; conductors, capacitors and dielectrics; electric circuits; magnetic fields; and electromagnetism. Introductory differential and integral calculus is used throughout the course. By mid-May the students are prepared for and are expected to sit for the Advanced Placement examinations in both AP Physics C: Mechanics and for AP Physics C: Electricity and Magnetism.

ENVIRONMENTAL SCIENCE (4180)
Grades 11-12
Half Year, .5 Credit
5 Periods/Week
Prerequisite: AP Biology or Biology

This course presents students with real-life environmental issues and concerns. It is designed to encourage and challenge students to think about practical solutions to these concerns. The six core areas of study are ecology, air, food, aquatic systems, water and energy. Emphasis will be placed on understanding the major scientific principles behind how our environment works and the impact society is having on the environment.

TOPICS IN SCIENCE (4147)
Grades 11-12
Half Year, .5 Credit
5 Periods/Week
Prerequisite: AP Biology or Biology

This course will present many current issues from the fields of environmental science, medicine, biology, chemistry and physics. The course is a non-Regents science course that meets five days per week. Class discussions, projects, labs and outside speakers will be incorporated into the course. Come and learn about yourself and our constantly changing world.

OCEANS (4260)
Grades 11-12
Full Year, 1 Credit
3 College Credits Available Through Stony Brook University
5 Periods/Week
Prerequisites: Science 9 Honors or Earth Science, AP Biology or Biology, and passing grade on Living Environment Regents examination

This full-year course meets five periods per week and will provide hands-on experience via lab and field work. The topics addressed include the characteristics of the abiotic marine environment, the interdependence of the abiotic factors (geological, physical and chemical) to biological processes, and marine diversity. Eligible students may elect to obtain three college credits. Total cost is approximately $250 for the Stony Brook course credit.

MARINE ECOLOGY (4270)
Grades 11-12
Full Year, 1 Credit
3 College Credits Available Through Stony Brook University
Planned courses are offered in the following areas:

**PlTW Principles of Biomedical Science (4320)**
- Grades 9-12
- Full Year, 1 Credit
- Members of the class may elect to take the course for 3 college credits from the Missouri University of Science and Technology.
- Prerequisite: Biology or Earth Science Honors or Earth Science, and passing grade on Earth Science Regents examination or Living Environment Regents examination
- Co-requisite: AP Biology or Biology, if not previously completed
- Principles of Biomedical Science (PBS) provides an introduction to biomedical science through exciting hands-on projects and problems. Students investigate concepts of biology and medicine as they explore health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia and infectious diseases. They will determine the factors that led to the death of a fictional woman as they sequentially piece together evidence found in her medical history and autopsy report. Students will investigate lifestyle choices and medical treatments that might have prolonged the woman’s life and demonstrate how the development of disease is related to changes in human body systems. The activities and projects in PBS introduce students to human physiology, basic biology, medicine and research processes and allow students to design experiments to solve problems. Students are provided the opportunity to receive three credits from the Missouri University of Science and Technology after earning a qualifying score on the end-of-course examination and meeting the minimum course average requirement set by the college. While receiving the college credit is optional, students interested in receiving these credits will be charged a fee by the college.

**AP Environmental Science (4191)**
- Grades 11-12
- Full Year, 1 Credit
- 7.5 Periods/Week
- Prerequisite: AP Biology or Biology
- Recommendation: Biology with a grade of at least B+
- Environmental science is an interdisciplinary science that embraces a variety of topics in biology, geology, chemistry and physics, as well as economics, politics and ethics. The goal of the course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. These principles will be applied to identifying and analyzing environmental problems both natural and human-made, evaluating the relative risks associated with these problems and examining alternative solutions for resolving or preventing them. Students take the AP Environmental Science exam in May.

**SCIENCE & TECHNOLOGY RESEARCH PROGRAM**
- Grades 10-12
- Prerequisite: Departmental approval required
- Grade 10
Science

**Grade 8**
- Biology

**Grade 9**
- Earth Science Honors

**Grade 10**
- AP Biology

**Grade 11**
- AP Physics 1
  - or
  - AP Environmental Science

**Grade 12**
- AP Chemistry
  - or
  - AP Physics 2
  - or
  - AP Physics with Calculus
  - or
  - AP Environmental Science

- Chemistry
  - or
  - Physics
  - or
  - PLTW Principles of Biomedical Science
  - or
  - Oceans
  - or
  - AP Environmental Science
  - or
  - Marine Ecology

- Environmental Science
  - or
  - Topics in Science

**Science & Technology Research Program**

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**Electives**

- Astronomy
- Meteorology
- PLTW Principles of Biomedical Science
- PLTW Human Body Systems
SOCIAL STUDIES COURSES

SOCIAL STUDIES PROGRAM
The Social Studies program offers an extensive variety of courses to ensure students become knowledgeable, empathetic and informed citizens of their community and the rapidly changing world around them. To meet these goals, students will engage in deep reading of primary and secondary sources, learn chronological reasoning skills, develop the ability to analyze changes over time, draw comparisons and interpretations of past events, and analyze differing points of view. Teachers will utilize a variety of instructional methods to help students achieve these goals. Simulation activities, role-playing exercises, classroom discussions, debates and research-based projects may be used to ensure students receive the highest level of instruction. Furthermore, students may be expected to utilize technology to meet course requirements, such as conducting internet-based research, designing PowerPoint presentations, using the Google suite of programs and blogging. Our courses incorporate 21st-century skills to ensure students are college and career ready and prepared to become active, engaged and informed citizens in our democratic system.

GLOBAL HISTORY 1 (2011)
Grade 9
Full Year, 1 Credit

Prerequisite: Social Studies 8

Global History 1 is the foundation of the two-year Global History and Geography program. This program is based on the New York State K-12 Social Studies Framework (“NYS Framework”) and is anchored in the New York State Learning Standards for Literacy and Writing and New York State Learning Standards for Social Studies. These standards serve as a consistent set of expectations for what students should learn and be able to do so that we can ensure that all participants are prepared to be active and engaged citizens who are ready to pursue college or a career. This program utilizes a chronological format organized around themes and concepts beginning with the Paleolithic Era and the development of the first civilizations, continues with an examination of classical societies, and traces the expansion of transregional empires and trade networks and their global impact. The course emphasizes the key themes of interactions over time, shifts in political power and the role of belief systems. A midterm and final assessment are required of all students.

GLOBAL HISTORY 1 HONORS (HS2031)
Grade 9
Full Year, 1 Credit
Summer Assignment May Be Required

Prerequisite: Social Studies 8

Recommendation: Social Studies 8 with a grade of at least A

This is the first year of a two-year course designed for students who are highly motivated and who possess strong reading and writing skills as well as a mature work ethic. Over the two-year period students will explore four time periods with six overarching themes that emphasize human endeavors, such as the impact of intellectual and technological developments and the emergence of the modern nation-state. These themes provide a framework to make comparisons over time and across cultures. For all time periods, major interpretative issues, alternative historical frameworks and historical debates define the program. A midterm and final assessment are required of all students. All students are required to participate in the annual Roger W. Sullivan History Conference.

GLOBAL HISTORY 1 (2011RE)
Grade 9
Full Year, 1 Credit
7.5 Periods/Week

Prerequisite: Departmental placement

Global History 1 RE (Regents Extended) is the foundation of the two-year Global History and Geography program. This program is based on the New York State K-12 Social Studies Framework (“NYS Framework”) and is anchored in the New York State Learning Standards for Literacy and
Writing and New York State Learning Standards for Social Studies. These standards serve as a consistent set of expectations for what students should learn and be able to do so that we can ensure that all participants are prepared to be active and engaged citizens who are ready to pursue college or a career. This program utilizes a chronological format organized around themes and concepts beginning with the Paleolithic Era and the development of the first civilizations, continues with an examination of classical societies, and traces the expansion of transregional empires and trade networks and their global impact. The course emphasizes the key themes of interactions over time, shifts in political power and the role of belief systems.

The additional class time will provide students the opportunity to ensure mastery of the subject matter and to develop the necessary skills to be successful on the Regents examination. Some of those skills to be addressed include document analysis, map interpretation and reading comprehension. The learning activities utilized in the extra class period will complement the work in the Regents class. A multidisciplinary, multisensory approach to learning is employed. Students participate in many different types of hands-on activities that actively involve them in this program. A midterm and final assessment are required of all students. The extra support period may satisfy the Academic Intervention Service requirement.

GLOBAL HISTORY 2 (2115 RE)
Grade 10
Full Year, 1 Credit
7.5 Periods/Week
Prerequisites: Global History 1 and departmental placement
Global History 2 RE (Regents Extended) is the second part of the two-year NYS Global History program. Students will begin their exploration with a snapshot of the world circa 1750. The course continues chronologically up to the present. Several concepts are woven throughout the course including industrialization, nationalism, imperialism, conflict, technology and the interconnectedness of the world. The last three key ideas focus on global issues, applying a more thematic approach. A midterm and final assessment are required of all students. All students must take the Global History Regents examination based on the curricula of Global History 2. The Regents examination counts as one-ninth of the overall course grade.

The additional class time will provide students the opportunity to ensure mastery of the subject matter and to develop the necessary skills to be successful on the Regents examination. Some of those skills to be addressed include document analysis, map interpretation and reading comprehension. The learning activities utilized in the extra class period will complement the work in the Regents class. All students will take a midterm and the Global History Regents examination based on the curricula of Global History 2. The Regents examination counts as one-ninth of the overall course grade. The extra support period may satisfy the Academic Intervention Service requirement.

AP WORLD HISTORY: MODERN (2061)
Grade 10
Full Year, 1 Credit
Summer Assignment May Be Required
Prerequisite: Pre-AP World History
This course follows the pre-AP World History course and further prepares students for the Advanced Placement World History examination. Students will begin with a rigorous exploration of the world circa 1450 and continuing to present day. Several concepts are woven throughout the course including European exploration, global trade, absolutism, political revolutions, industrialization, nationalism, imperialism, conflicts, technology and the interconnectedness of the world.

All students are required to participate in the annual Roger W. Sullivan History Conference, take a midterm, take the Advanced Placement Examination in May, and take the Global History Regents examination in June which counts as one-ninth of the overall course grade.

GLOBAL HISTORY 2 (2115)
Grade 10
Full Year, 1 Credit
Prerequisite: Pre-AP World History or Global History
Global History 2 is the second part of the two-year NYS Global History program. Students will begin their exploration with a snapshot of the world circa 1750. The course continues chronologically up to the present. Several concepts are woven throughout the course including industrialization, nationalism, imperialism, conflict, technology and the interconnectedness of the world. The last three key ideas focus on global issues, applying a more thematic approach.
The development of the nation and functions written in the Constitution of the United States and will explore the colonial and constitutional foundations of the United States. Students will begin by examining the goals of the colonial period to the present. Themes in United States history from the Renaissance to the present. Historical problems and issues will be considered in their political, social, economic, religious and cultural contexts.

All sophomores who participate in this program will be required to take both the Advanced Placement European History examination in May and the Global History Regents examination, which counts as one-ninth of the overall course grade. Juniors and seniors are also required to sit for the Advanced Placement examination in European History. All students are required to participate in the annual Roger W. Sullivan History Conference. A midterm and final assessment are required of all students. All students are required to take a Regents examination based upon the program of United States History and Government. The Regents examination counts as one-ninth of the overall course grade.

U.S. HISTORY AND GOVERNMENT (2210RE)
Grade 11
Full Year, 1 Credit
7.5 Periods/Week
Prerequisites: AP World History, AP European History, or Global History 2; and departmental placement
This course is based on the New York State K-12 Social Studies Framework (“NYS Framework”) and is anchored in the New York State Learning Standards for Literacy and Writing. Students will begin by examining the colonial and constitutional foundations of the United States and will explore the government structure and functions written in the Constitution. The development of the nation and the political, social and economic factors that led to the challenges our nation faced during the Civil War will be addressed. Industrialization, urbanization, and the problems that accompany them are examined, along with America’s emergence as a world power, the two world wars of the 20th century and the Cold War. Students will explore the expansion of the federal government, the threat of terrorism and the place of the United States in an increasingly globalized and interconnected world.

The additional class time will provide students the opportunity to ensure mastery of the subject matter and to develop the necessary skills to be successful on the Regents examination. Some of those skills to be addressed include document analysis, map interpretation, and reading comprehension. The learning activities utilized in the extra class period will complement the work in the Regents class. All students will take a midterm and the United States History Regents examination. The Regents examination counts as one-ninth of the overall course grade. The extra support period may satisfy the Academic Intervention Service requirement.

AP U.S. HISTORY (2230)
Grades 11-12
Full Year, 1 Credit
Summer Assignment May Be Required
Prerequisite: AP World History, AP European History, or Global History 2
Recommendation: Global History 2 with a grade of at least B+
Advanced Placement United States History is a challenging history course designed for students who are highly motivated and possess strong reading and writing skills as well as a mature work ethic. The course stresses major themes in United States history from the colonial period to the present. Students will begin by examining the colonial and constitutional foundations of the United States and will explore the government structure and functions written in the Constitution. The development of the nation and the political, social and economic factors that led to the challenges our nation faced during the Civil War will be addressed. Industrialization, urbanization, and the problems that
accompany them are examined, along with America's emergence as a world power, the two world wars of the 20th century and the Cold War. Students will explore the expansion of the federal government, the threat of terrorism and the place of the United States in an increasingly globalized and interconnected world.

All students are required to participate in the annual Roger W. Sullivan History Conference, take a midterm, take the Advanced Placement United States History examination in May, and take the United States History and Government Regents examination in June which counts as one-ninth of the overall course grade.

### COURSES THAT SATISFY THE PARTICIPATION IN GOVERNMENT REQUIREMENT

#### PARTICIPATION IN GOVERNMENT (2310)
**Grade 12**
**Half Year, .5 Credit**

*Prerequisite: AP U.S. History or U.S. History and Government*

Participation in Government is a one-semester course in public policy analysis required of all students for graduation. Students will be required to define social problems, identify policy alternatives, evaluate the effects of specific policies, implement policies and apply policy analysis skills to real-world situations. In addition, through 10 civic engagement hours, this course will serve to create more prepared, active, and informed citizens ready to tackle the challenges we face in the 21st century. The Participation in Government program stresses key civic values critical for effective participation in our ever-increasingly multicultural and interdependent world. A final assessment is required of all students.

#### AP COMPARATIVE GOVERNMENT AND POLITICS (2325)
**Grades 11-12**
**Full Year, 1 Credit**

*Prerequisites: AP U.S. History or U.S. History and Government or AP World History: Modern or AP European History*

AP Comparative Government and Politics is a full-year course. The course uses a comparative approach to examine the political structures, policies, and the political, economic and social challenges among six selected countries: China, United Kingdom, Iran, Mexico, Nigeria, and Russia. Students examine how different governments solve similar problems by comparing the effectiveness of approaches to many global issues. In addition, this course will also examine the political institutions and policies of the United States.

Students will participate in a variety of activities such as simulations, debates and seminars. These activities are designed to give students an in-depth understanding of the countries being studied. A midterm and final assessment are required for all students. Students are required to participate in the annual Roger W. Sullivan History Conference and must take the Advanced Placement United States Government and Politics Examination. This course satisfies the Participation in Government requirement.

#### AP UNITED STATES GOVERNMENT AND POLITICS (2320)
**Grade 12**
**Full Year, 1 Credit**

*Prerequisites: AP U.S. History or U.S. History and Government*

Advanced Placement United States Government and Politics is a full-year course. This course will provide students with an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret the U.S. government and politics and the analysis of specific examples. Topics explored include constitutional underpinnings of the United States government; political beliefs and behaviors; political parties, interest groups and mass media; institutions of national government; and public policy and civil rights liberties.

Students will participate in a variety of activities such as simulations, debates and seminars. These activities are designed to give students insight into such issues as political beliefs and behavior, political parties and interest groups. A midterm and final assessment are required of all students. Students are required to participate in the annual Roger W. Sullivan History Conference and must take the Advanced Placement United States Government and Politics Examination. This course satisfies the Participation in Government requirement.

#### PARTICIPATION IN GOVERNMENT/LEADERSHIP (2340)
**Grade 12**
**Full Year, Alternate Days .5 Credit**

*Prerequisites: AP U.S. History or U.S. History and Government, application, and departmental approval*

Leadership & Political Participation (2331)
**Grade 11 Elective (not for PIG credit)**
**Full Year, Alternate Days .5 Credit**

*Prerequisite: Application and departmental approval*

This course will acquaint students with the components of leadership and will assist them in developing effective strategies for participation in activities on local, state, national and global levels. Students will be expected to conduct student-developed projects...
for the high school campus. These projects may include human rights activities, voter registration and other service component activities necessary to acquaint high school students with responsibilities of participatory citizenship. Students who participate in this program must be willing to devote considerable time to complete work outside of the classroom period. The course will place strong emphasis on government operations and skills essential for leadership and effective participation in our political process. In addition, this course will focus on the teaching and learning needs for the 21st century, highlighting core skills such as critical thinking and problem-solving, goal setting, time management, creativity and innovation, communication, initiative and self-direction, collaboration, and information and media literacy. The integration of these 21st-century skills will assist students to become effective and productive citizens, leaving their mark on our school and their community. Applications must be submitted by students and will be reviewed by a departmental committee for acceptance into the program. A final assessment is required of all students. When taken as a senior, this course satisfies the Participation in Government requirement.

COURSES THAT SATISFY THE ECONOMICS AND ECONOMIC DECISION-MAKING REQUIREMENT

ECONOMICS (2350)
Grade 12
Half Year, .5 Credit
Prerequisite: AP U.S. History or U.S. History and Government
Economics is a one-semester course required of all students for graduation. The course is designed to give students an introduction to macroeconomics and microeconomics. Students will be required to (1) analyze, evaluate and make generalizations based on data; (2) use the problem-solving process to define problems, hypothesize, investigate and analyze selected data and (3) recognize alternative solutions and make decisions both as an individual and a citizen. The units of study are introduction to economics and economic systems, elements of the economy (microeconomics), bringing the economic system together (macroeconomics), and the United States and the world economy. A final assessment is required of all students.

AP MACROECONOMICS (2371)
Grade 12
Full Year, 1 Credit
Prerequisites: AP U.S. History or U.S. History and Government
Advanced Placement Macroeconomics is open to students in grade 12 whose ability and academic performance qualify them for this program. This course takes a more in-depth view of basic economic concepts in both microeconomics and macroeconomics. Central questions facilitate inquiry into topics including scarcity, resources, markets, federal spending, taxation, fiscal policy, monetary policy, international trade and currency exchange. Students are prepared for success on the AP Macroeconomics exam through a diversity of activities, including graphing, reading assignments, document analysis, debates and discussions, study of contrasting economic theories, lectures, internet research projects and blog post submissions. In addition to the potential of earning college credit through The College Board AP Program, students will become conversant in practical economic knowledge necessary for informed participation in our modern society. Every effort is made to apply core economic concepts to real-life questions and conflicts, making the course relevant to those who may or may not seek to pursue business and finance beyond high school.

Students will participate in a variety of experiences including field trips, guest speakers, readings, and simulations. A midterm and final assessment are required of all students. Students are required to participate in the annual Roger W. Sullivan History Conference and must take the Advanced Placement Macroeconomics examination in May of their senior year. This course satisfies the Economics and Economics Decision-Making requirement.

ELECTIVE AP CREDIT COURSE DESCRIPTIONS

AP PSYCHOLOGY (2629)
Grades 11-12
Full Year, 1 Credit
Summer Assignment May Be Required
Prerequisite: AP World History, AP European History, or Global History 2
Advanced Placement Psychology is a full-year offering intended for students who desire a college-level course. It introduces students to a full range of psychological insights and includes such topics as personality theory and assessment, intelligence, learning and memory, motivation and emotion, sensation and perception, developmental psychology, psychological disorders and psychotherapy. Some of the individuals studied include Sigmund Freud, Carl Jung, B.F. Skinner, Jean Piaget and Erik Erikson. Students have the opportunity to perform research and conduct experiments. A midterm and final assessment are required of all students. Students are required to participate in the annual Roger W. Sullivan History Conference and take the Advanced Placement Psychology examination in May.
AP HUMAN GEOGRAPHY (2635)
Grades 10-12
Full Year, 1 Credit
Prerequisite: Pre-AP World History or
Global History 1
Advanced Placement Human Geography is a full-year course of study for students whose ability and academic performance qualifies them for this experience. Advanced Placement Human Geography will introduce students to the systematic study of patterns and processes that have shaped human understanding, use and alteration of Earth’s surface. Students employ spatial concepts and landscape analysis to analyze human social organization and its environmental consequences. Students will also learn about the methods and tools geographers use in their science and practice. A midterm and final assessment are required of all students. Students are also required to participate in the annual Roger W. Sullivan History Conference and take the Advanced Placement Human Geography examination.

INTRODUCTION TO PSYCHOLOGY (2495)
Grades 10-12
Half Year, .5 Credit
Prerequisite: None
Introduction to Psychology is a one-semester high school-level course intended for students who desire an introduction to human behavior and personality. This course will assist students to understand human thought and action. Topics include human growth and development, learning and memory, personality, abnormal psychology and therapies. The course attempts to give students insights into the reasons behind their behavior. Hypnosis, dream analysis, the use of reward and punishment to control behavior, ethics of psychological research, and the rights of the mentally ill are just some of the topics covered. A final assessment is required of all students.

ELECTIVE HIGH SCHOOL CREDIT COURSE DESCRIPTIONS

HOLOCAUST, GENOCIDE, HUMAN RIGHTS (2460)
Grades 11-12
Half Year, .5 Credit
Prerequisite: None
This course explores the causes, events and consequences of the Holocaust and investigates other genocides and atrocities of the modern world. They include, but are not limited to, Armenia, Bosnia, Cambodia, Rwanda and Darfur. Other issues studied include prejudice, racism and human rights violations. By understanding such issues, students are equipped to think critically about ethical responsibility and injustice. Students will analyze primary sources and films, create research-based projects and engage with guest speakers. A final assessment is required of all students.

CRIMINAL JUSTICE (2415)
Grades 11-12
Half Year, .5 Credit
Prerequisite: None
This course introduces students to our legal system. Students will study criminal law and due process. Guest speakers, student participation in mock trials and field experiences are an integral part of this program. Police, court, correction, probation and parole officers will meet with students, as will defense and prosecuting attorneys. A final assessment is required of all students.

HUMAN CONFLICT (2485)
Grades 10-12
Half Year, .5 Credit
Prerequisite: None
Human Conflict is a one-semester course of study on the pervasive issues and global dynamics of our modern world. Topics range from political disputes and economic issues to environmental problems and cultural conflicts. The course will review various world economic and political perspectives with an emphasis on international relations, U.S. foreign policy and organizations such as the United Nations. A final assessment is required of all students.
## Social Studies

### Grade 9
- Global History 1 Honors or Global History 1

### Grade 10
- AP World History: Modern or AP European History
- Global History 2 or AP European History

### Grade 11
- AP U.S. History or U.S. History and Government

### Grade 12
- AP Macroeconomics or Economics
- AP Comparative Government and Politics or AP U.S. Government and Politics or Participation in Government

### Electives
- AP European History
- AP Human Geography
- AP Psychology
- Criminal Justice
- Holocaust, Genocide, Human Rights
- Human Conflict
- Introduction to Psychology
- AP Comparative Government and Politics
CONSTRUCTION MATERIALS/WOOD 1 (6221)
Grades 9-12
Half Year, .5 Credit
Prerequisite: None
This is an introductory course for students with an interest in learning to manipulate a variety of materials, especially wood, into useful products. They will learn to design, select materials and construct using a full range of woodworking machines and hand tools to perform such processes as cutting, shaping, joining, adhering and finishing. Students who want to complete more intricate projects should enroll in Construction Materials/Wood 2.

CONSTRUCTION MATERIALS/WOOD 2 (6223)
Grades 9-12
Half Year, .5 Credit
Prerequisite: Construction Materials/Wood 1
The Construction 2 student will further the knowledge gained regarding wood and woodworking machines from the first course and apply it to create larger, more appealing and useful projects. The focus of this course will be on the attention to detail, such as good planning and layout skills, making straight and accurate cuts, following careful assembly procedures and much more. This course promotes professionalism and places the emphasis on quality, not quantity.

DIGITAL PHOTO IMAGING (6339)
Grades 9-12
Half Year, .5 Credit
Prerequisite: None
This course teaches students hands-on photography for cameras and cell phones. Students will learn the basics of photography from the way a camera works, how to hold the camera, and most importantly, how to compose your photos and modify them using photo editing software. Students will learn to use all of the settings and special features on cameras, including cell phone cameras. Projects will include depth of field, perspective, photo restoration, stop motion, multiplicity, dynamic range and taking photos utilizing drone technology. Students will have opportunities to build a professional portfolio and will learn how to publish and advertise using photography.

DESIGN & DRAWING FOR PRODUCTION (DDP) (6510)
Grades 9-12
Half Year, .5 Credit
Note: When taken with DDP/Architecture, students may fulfill the art/music requirement with this course.
Prerequisite: None
This course satisfies the second .5 Credit of the art/music requirement when taken after DDP.
Prerequisite: Design & Drawing for Production (DDP) or PLTW Introduction to Engineering Design: DDP
This is one of two courses that can be taken for the second half of DDP. Students will gain an introduction to architecture by solving a variety of design problems. Solutions will be presented through plan, elevation,
pictorial sketches and color renderings. Three-dimensional model building and drawings made on the CAD system are major components of this course. Designing a vacation home from rough idea to finished scale model is the activity that dominates this course of study.

ARCHITECTURE 2 (6540)
Grades 10-12
Half Year, .5 Credit
Prerequisite: DDP/Architecture
This course engages students in further development of concepts introduced in DDP/Architecture, including the evaluation of and solutions to more complex problems. Students will study architectural design, plane surveying, advanced drafting techniques, project presentations methods including 3-D models, and advanced computer-aided drawing techniques using Autodesk and Autodesk Revit software. Internet exploration of design concepts and scale architectural models are examples of activities included in this class.

PLTW INTRO TO ENGINEERING DESIGN; DDP (6690)
Grades 9-12
Full Year, 1 Credit
Members of the class may elect to take the course for 3 college credits from Rochester Institute of Technology.
Credit for this course may be used to meet the art/music graduation requirement. Prerequisite: None
Introduction to Engineering Design is part of the Project Lead the Way Engineering program. This course is designed for all students interested in engineering, architecture and drafting. Students are introduced to the engineering profession and a common approach to the solution of engineering problems, known as the design process and application. Students will work individually and in teams to design solutions to a variety of problems, develop research and analytical skills, learn technical writing, and create engineering graphics. They will apply math, science and technology knowledge learned in other courses to solve engineering design problems. Students will use traditional and computer-aided drafting while exploring new and exciting design problems. Students will use the industry standard 3D solid modeling software Autodesk Inventor to design and document their solutions to problems. Students will apply the knowledge and skills learned using Autodesk Inventor software to create original projects using the laser engraver and 3D printer, along with hands-on building. Students can elect to take the Autodesk Inventor Certification exam. Students are provided the opportunity to receive three credits from Rochester Institute of Technology after earning a qualifying score on the end-of-course examination and meeting the minimum course average requirement set by the college. While receiving the college credits is optional, students interested in receiving these credits will be charged a fee by the college.

PLTW COMPUTER INTEGRATED MANUFACTURING (6695)
Grades 10-12
Full Year, 1 Credit
Members of the class may elect to take the course for 3 college credits from Rochester Institute of Technology.
Prerequisite: None
Recommendation: Design & Drawing for Production (DDP) or PLTW Intro to Engineering Design: DDP
Computer Integrated Manufacturing is part of the Project Lead the Way Engineering program. The course introduces students to the high-tech, innovative nature of modern manufacturing. Students will design and build their own automated manufacturing system using the latest technologies, including computer modeling, computer numeric control technology, computer-aided manufacturing software, VEX robotics, Lynxmotion robotic arms, automated guided vehicles and flexible manufacturing systems. In addition to technical concepts, the course incorporates finance, ethics and engineering design. This reflects an integrated approach that leading manufacturers have adopted to improve safety, quality and efficiency. While implementing these designs, students will continually hone their interpersonal skills, creative abilities and understanding of the design process. The course culminates with a capstone project where students design, build, program and present a manufacturing system model capable of creating a product. Students can earn a virtual manufacturing badge recognized by the National Manufacturing Badge system. Students are provided the opportunity to receive three credits from Rochester Institute of Technology after earning a qualifying score on the end-of-course examination and meeting the minimum course average requirement set by the college. While receiving the college credits is optional, students interested in receiving these credits will be charged a fee by the college.

ROBOTICS 1 (6616)
Grades 9-12
Half Year, .5 Credit
Prerequisite: None
This course explores engineering concepts, the history of robotics, robot design and unmanned aircraft system (UAS) drone technology. This course's hands-on, problem-solving approach incorporates robotic and electronic interfaces. In this engineering laboratory, the students will design, create and program working robots. Students will also be introduced to programming, flying and remotely controlling UAS drones. The tools of science, technology, engineering, and mathematics are seamlessly integrated in this authentic learning environment.

ROBOTICS 2 (6617)
Grades 9-12
Half Year, .5 Credit
Prerequisite: Robotics 1 or departmental permission
This course further explores
The dramatic development of technology, particularly the internet, has made people and businesses extensively use an electronic format for communication and information storage. A large portion of all corporate and individual communication is now created electronically, leaving only a small amount on paper. Students will be introduced to the mechanisms and the history of software, hardware, and OS security. Skills and information needed to install, upgrade, repair, configure, and troubleshoot computer issues will be addressed. Students will dissect important and emerging issues including privilege sniffing, password security, disaster recovery, and digital forensics. Network attack strategies and common countermeasures will be discussed. Several hands-on investigations per unit will afford students the opportunity to assess network vulnerability, identify threats, prevent and respond to attacks, and more. Students can prepare for various industry certification exams as well as IT security jobs.

**COMPUTER REPAIR 2 (6626)**
Grades 9-12
Half Year, .5 Credit
Prerequisite: Computer Repair 1 and Cybersecurity (formerly Computer Repair 1)
Students will build on the knowledge and skills learned in Computer Repair 1 and Cybersecurity. With an emphasis on troubleshooting and collaboration, students will diagnose and repair different computer models. Topics include hard drive, power supply, and other hardware repair and replacement; software installation; and networking. Students will learn about the parts of mobile electronics (such as laptops and tablets) and how to replace them. Real-world scenarios, including communication and professionalism, are also emphasized. Students can choose to prepare for industry-leading credentials such as the CompTIA certifications and TestOut PC Pro certification.

**SMALL ENGINE APPLICATIONS (6450)**
Grades 9-12
Half Year, .5 Credit
Prerequisite: None
This course is designed to teach theory of operation, troubleshooting, repair, tune-ups and rebuilding all small engines utilized in power equipment from lawn movers to outboard engines. Students will learn the application of special tools used in the overhaul operation. They will apply this knowledge to innovative uses of small engines. Based on student requests, this course may be offered on alternate years.

**AUTOMOTIVE TECHNOLOGY 1 (6435)**
Grades 10-12
Half Year, .5 Credit
Prerequisite: None
Automotive Technology 1 is a half-year lecture-lab course designed to introduce the student to basic car care procedures. As new and up-and-coming vehicle owners/drivers, the information and skills students acquire in this course will prove to be invaluable. In this course, students will learn many useful skills, such as how to clean and maintain their car, how to change their oil, fix a flat tire, safely lift a vehicle and more. The skills that students learn in this class will benefit them throughout their life. Some of the nontechnical skills they will learn are how to develop safe, clean work habits and attitudes regarding auto care. The transferable skills learned in this course are beneficial to all students regardless of their career path.

**AUTOMOTIVE TECHNOLOGY 2 (6436)**
Grades 10-12
Half Year, .5 Credit
Prerequisite: Automotive Technology 1
This is the second course offered in Automotive Technology and is broken into three categories: brakes, suspension systems and welding. Students will learn related theories for each area along with service procedures. Students will learn how to replace worn brake pads and shoes; cut rotors; repair a broken brake line; bleed brakes; and replace a ball joint, bushing, tie rod end, and strut. Students will learn how to use an oxy/acetylene torch, arc welder and mig welder.
Technology

**Construction**
- Construction Materials/Wood 1
- Construction Materials/Wood 2

**Automotives**
- Small Engine Applications
- Automotive Technology 1
- Automotive Technology 2

**Computers**
- Computer Repair 1 and Cybersecurity
- Computer Repair 2

**Drawing & Design for Production**
- Design & Drawing for Production (DDP)
- DDP/Architecture
- Architecture 2

**Manufacturing**
- PLTW Computer Integrated Manufacturing

**Engineering**
- PLTW Introduction to Engineering Design: DDP

**Electronics**
- Basic Electricity/Electronics

**Photography**
- Digital Photo Imaging

**Robotics**
- Robotics 1
- Robotics 2
ENGLISH AS A NEW LANGUAGE
Full Year, 1 Credit
ENL 9 (0951)
ENL 10 (0952)
ENL 11 (0953)
ENL 12 (0954)
Content Support
Full Year, No Credit
ENL (0960)
These courses are designed to help English language learners gain competency in English as it is used in daily life and an academic setting. All coursework focuses on strengthening the students’ speaking, listening, writing and reading abilities. Intensive English language instruction is provided through the five instructional levels: entering (beginning), emerging (low-intermediate), transitioning (intermediate), expanding (advanced) and commanding (proficient). A student’s initial level is determined by a placement test when he or she enters the program. Assessment of yearly progress and placement decisions are based on student performance on the NYSESLAT examination given in the spring. An ENL approach is used during an additional support period to assist students with vocabulary and concepts of content area subjects, such as English, social studies, science, math, etc.

WORLD LANGUAGES
Each language course (or level) bears one credit. To graduate with a Regents Diploma, all students must pass either both seventh and eighth grade language courses and a regionally developed Checkpoint A assessment at the end of grade 8, called the FLACS A Exam; OR a Level 1 language course in high school. The only students who do not have to fulfill this graduation requirement are special education students with an IEP listing a language disability and a language exemption.

By passing a Level 3 course and a new regionally developed Checkpoint B examination, the FLACS B Exam, students become eligible for a Regents Diploma with Advanced Designation.

REGIONALLY DEVELOPED EXAMINATIONS
Students enrolled in a Level 3 language course must take the FLACS B Exam at the end of the course. The Checkpoint B Exam is counted as the final exam for the course.

Languages Offered
French, German, Italian and Spanish are offered from Levels 1-5. College courses are offered in Levels 3-5. The use of instructional technology is integrated throughout the program.

LEVEL 1 LANGUAGE
Grades 9-12
Full Year, 1 Credit
Prerequisite: None
French 1 (4510)
German 1 (4580)
Italian 1 (4640)
Spanish 1 (4720)
These are beginning courses to meet the needs of students who are new entrants or who did not successfully complete their language requirement by the end of grade 8. Those who wish to begin a second foreign language may enroll in these courses if there is sufficient room. All Level 1 language courses build foundation skills in speaking, listening, reading and writing in the target language and enable the student to attain New York State’s Checkpoint A level of proficiency. This is a graduation requirement for all students who have no language exemption on an IEP. These courses provide a firm base so that those students who continue their study of languages can take the regionally developed FLACS B examination. Dual language students (studying two or more languages) with an A average in the Level 1 course of their second foreign language may proceed from Level 1 to Level 3 upon recommendation of the Level 1 teacher and departmental approval. Based on student requests, this course may be offered on alternate years.

LEVEL 2 LANGUAGE
Grades 9-12
Full Year, 1 Credit
Prerequisite: Level 1 or Grade 7/8
French 2 (4520)
German 2 (4590)
Italian 2 (4650)
Spanish 2 (4740)
Students will be expected to attain
a higher degree of proficiency in communicative skills - speaking, listening, reading and writing - through the use of a variety of materials, including authentic items and the internet. They will also continue their study of the culture of the target language. These courses introduce the students to the Checkpoint B level of the New York State curriculum, which will be completed in Level 3.

**LEVEL 3 LANGUAGE**

**College credit option**

Grades 10-12

Full Year, 1 Credit

*Prerequisite: Level 2*

French 3 (4540)

German 3 (4600)

Italian 3 (4660)

Spanish 3 (4750)

French 3, German 3, Italian 3 and Spanish 3 students have the option of receiving 4 college credits through Stony Brook University.

Students who opt for this credit must enroll online in the Stony Brook University ACE Program and pay the reduced tuition by the deadline established by that institution.

**FRENCH 4 (4550)**

**College credit option**

This advanced course introduces the students to the history, art, literature and culture of France, as they strengthen and enhance their knowledge of the French language.

Students learn of legendary French heroes, such as Charlemagne and Jeanne d’Arc, and explore the beautiful gothic cathedrals and medieval chateaux found throughout France. Reading and writing skills will be improved through the use of authentic materials, such as newspapers, magazines, selections from French literature and the internet. Throughout the year, students will complete oral and written assignments in the form of projects, which will allow them to use their language and presentation skills.

Students will be required to use French to communicate in class. Appropriate field trips may be planned. Level 4 introduces students to the Checkpoint C level of proficiency.

**GERMAN 4 (4610)**

**College credit option**

In this course, students will develop a greater understanding of the history, geography, literature, art and culture of Germany through the use of the target language. Students will continue to develop their auditory and oral skills through various individual and group projects, which will give them the chance to demonstrate their proficiency in the target language. Reading and writing skills will be improved through the use of authentic materials, such as newspapers, magazines, selections from German literature and the internet. Students will be required to use German to communicate in class. Appropriate field trips may be planned. Level 4 introduces students to the Checkpoint C level of proficiency.

**ITALIAN 4 (4670)**

**College credit option**

Italian 4 is an advanced-level course where the students will develop a greater understanding of the cultural aspects of Italy and Italian life through the use of the Italian language. Students will learn about the geography, literature, art, music and general culture of Italy. Students will continue to develop their auditory and oral skills through various individual and group projects, which will give them the chance to demonstrate their proficiency in the target language. Reading and writing skills will be improved through the use of authentic materials, such as newspapers, magazines, selections from Italian literature and the internet.
Students will be required to use Italian to communicate in class. Appropriate field trips may be planned. Level 4 introduces students to the Checkpoint C level of proficiency.

SPANISH 4 (4760)
College credit option
Spanish 4 is an advanced-level course about the culture of the Hispanic world. This course is taught primarily in Spanish. Students will use their skills in Spanish to listen, read, write and speak in the language. Topics covered are the geography, history, and culture of Hispanic countries; Spanish art and artists; and famous works of Hispanic literature. Appropriate vocabulary and grammatical topics will be reviewed as they relate to each topic. Reading and writing skills will be improved through the use of authentic materials, such as newspapers, magazines, selections from Spanish literature and the internet. Students will do oral and written assignments and projects integrating technology use throughout the year. Students will be required to use Spanish to communicate in class. Appropriate field trips may be planned. Level 4 introduces students to the Checkpoint C level of proficiency.

LEVEL 5 LANGUAGE
Grade 12
Full Year, 1 Credit
Prerequisite: Level 4
College French, Italian, German and Spanish students have the option of receiving 3 college credits through Stony Brook University.
Students who opt for this credit must enroll online in the Stony Brook University ACE program and pay the reduced tuition by the deadline established by that institution.

College courses follow the curriculum and requirements approved by the participating college or university.

They enable students to complete New York State's Checkpoint C level of proficiency in the target language. College credit will only be granted if the student completes the college application, submits it with the tuition payment before the due date established by the college and attains the minimum grade set by the institution. Enrollment is normally limited to high school seniors who have successfully completed the corresponding Level 4 course. High school juniors may enroll if they have completed the corresponding Level 4 course, received a recommendation from their Level 4 teacher and have received departmental approval.

FRENCH 5 (4560)
College credit option
This course is designed to further develop communication skills in French, while at the same time continuing to examine modern-day francophone life and culture. To work toward oral and written fluency in French, students will participate in presentation, conversation and comprehension activities and will study a variety of cultural and literary readings that will help them expand their ability to use French. Cultural themes will cover the media in France, including its cinema, press and television, as well as an examination of the French educational system. Students will also study the political and historical structures of French society today, including major cities like Paris. In addition, course objectives will be met through the use of information and communication technologies to enhance critical thinking skills. Students taking this course can expect a great deal of creative freedom, as well as the opportunity to hone their composition skills and engage in class discussion of German culture. Students will be expected to collaborate and will be encouraged to problem-solve to reach a greater understanding of the global aspects of modern society in Germany and German-speaking countries. This course is conducted in German.

ITALIAN 5 (4680)
College credit option
This course is designed to further develop the four skill areas of listening, speaking, reading and writing in Italian through intensive practice, class discussions, compositions, and literary and cultural readings. Emphasis will be on the communicative skills in Italian, the cultural aspects of Italian life and Italy's role in the global community. The course will focus on topics that promote contemporary cultural

GERMAN 5 (4620)
College credit option
This is a course designed to provide students with opportunities to further develop their listening, speaking, reading and writing skills in German. These areas will be developed through class discussion, projects, compositions, literary and cultural readings and film. Readings will include poetry, short stories, selections from Grimm's fairy tales, and excerpts from novels, dramatic works, music and modern media. Goethe will be studied in depth, as will other poets, writers and filmmakers. Cultural awareness of German-speaking countries will be stressed throughout this course. Course objectives will be met through the use of information and communication technologies to enhance critical thinking skills. Students taking this course can expect a great deal of creative freedom, as well as the opportunity to hone their composition skills and engage in class discussion of German culture. Students will be expected to collaborate and will be encouraged to problem-solve to reach a greater understanding of the global aspects of modern society in Germany and German-speaking countries. This course is conducted in German.
awareness of Italy such as music, film, art, customs, history, literature, the economy and fashion. Grammatical points are presented within the context of cultural and historical topics. Students will be expected to collaborate and will be encouraged to problem-solve in the target language to enhance critical thinking skills. Course objectives will be met through the use of information and communication technologies. This course is conducted in Italian.

SPANISH 5 (4770)
College credit option
This course enables students to further the development of all four skill areas in Spanish: listening, speaking, reading and writing. Emphasis is placed on the development of speaking skills and of better aural comprehension. In addition, cultural awareness is developed through the use of authentic materials, literature, the internet and other resources. Course objectives will be met through the use of information and communication technologies to enhance critical thinking skills. Basic grammatical structures and usage are reviewed, and more sophisticated ones are introduced. Students will have many opportunities to increase their level of writing proficiency. Topics include fables, various short stories, cooking, fashion, film, television and contemporary issues. As students progress from the fall to the spring semester, the material in all skill areas moves from the simple to the more complex. Students will be expected to collaborate and will be encouraged to problem-solve in the target language. This course is conducted in Spanish.

ELECTIVE COURSES

AMERICAN SIGN LANGUAGE 1 (4500)
Grades 9-12
Full Year, 1 Credit
Prerequisite: None
This introductory level 1 course will benefit students who want to learn another language or fulfill their language requirement for graduation. It will bring awareness of the deaf culture and the challenges the deaf community faces. In addition to learning American Sign Language, students will be encouraged to become advocates for the deaf community and utilize their skills for varying job opportunities. This level 1 course will follow all NYS Checkpoint A standards along with the American Council on the Teaching of Foreign Languages (ACTFL) standards for language acquisition. Based on student requests, this course may be offered on alternate years.

CHINESE – MANDARIN 1 (4710)
Grades 9-12
Full Year, 1 Credit
Prerequisite: None
This introductory level 1 course will benefit students who want to learn another language or simply fulfill their language requirement for graduation. Tomorrow’s students must be able to compete, work, and thrive in a globalized world with diverse, multilingual consumers and economies in which China and the U.S. will continue to be major players. By offering students the opportunity to learn Mandarin, we can prepare them for careers around the world. This level 1 course will follow all NYS Checkpoint A standards along with the American Council on the Teaching of Foreign Languages (ACTFL) standards for language acquisition. Based on student requests, this course may be offered on alternate years.

CULTURE THROUGH FILM
Grade 12
Full Year, 1 Credit
French (4575)
German (4635)
Italian (4695)
Spanish (4785)
Prerequisite: Level 4 Language
This full-year course is a post-Level 4 language course for seniors only. In this course students apply the knowledge and skills gained throughout the previous years of language and literature study to view, analyze and discuss thematic content of selected movies. The course introduces students to the different genres, and students focus on aspects of culture as portrayed through film. They also study the evolution of the art of cinema. The goals of the class are twofold: to help students develop ease and fluency in discussing their opinions on the films, both in speaking and in writing, and to help them to develop a greater appreciation of culture through film. Based on student requests, this course may be offered on alternate years.
World Languages

Grade 7
Level 1

Grade 8
Level 1 (FLACS A)

Grade 9
Level 2

Grade 10
Level 3 (FLACS B)
College Level 100 Course
4 credits through Stony Brook University

Grade 11
Level 4
College Level 100 Course
4 credits through Stony Brook University

Grade 12
Level 5
College Level 200 Course
3 credits through Stony Brook University

Note: Students starting a new or second language will begin with a Level 1 course unless beginning proficiency levels can be demonstrated.

Electives
American Sign Language 1
Culture Through Film
Chinese – Mandarin 1