

Table of Contents

| | |
|-------------------------------|---|
| Letter to Students | 1 |
| Graduation Requirements | 2 |
| Counseling Programs | 4 |
| Scheduling..... | 5 |

Course Offerings

| | |
|-------------------------------------|----|
| Art | 8 |
| Business | 12 |
| English | 16 |
| Health and Physical Education | 21 |
| Languages Other than English..... | 23 |
| Mathematics..... | 29 |
| Music..... | 33 |
| Science | 35 |
| Social Studies..... | 41 |
| Special Education..... | 46 |
| Technology | 49 |
| BOCES Courses..... | 52 |



Course Catalog 2011 – 2012

Westhampton Beach High School
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Dear Student,

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

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

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

Yours truly,

Christopher Herr

Christopher Herr
Principal

“Striving for Mastery: High Expectations for All”



Course Catalog 2011 – 2012

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

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

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

** Students are required to have completed one credit of a language other than English (Spanish/French/Latin) in high school.

Beginning with the Class of 2011

| Required Regents Exams (Passing Score: 65) |
|---|
| English Language Arts |
| Math A |
| Math B |
| Global History |
| U. S. History |
| Science Regents |
| Science Regents |
| Comprehensive Language *** |

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

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

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

**Additional Graduation Options:**

Regents Diploma Option: Students may satisfy requirements for a Regents Diploma by earning the following: 4 credits in English, 4 credits in Social Studies, 3 credits in Mathematics, 3 credits in Science, 1 credit in LOTE, ½ credit in Computer Application I, ½ credit in Freshman Seminar, ½ credit in Health, 1 credit in Art and/or Music, 2 credits in Physical Education and 2 ½ credits of electives. Students must score at least a 65 on the following Regents exams: English Language Arts, Integrated Algebra, Global History, U.S. History, and one Science Regents. Additionally, students may satisfy requirements for a Local Diploma by scoring minimally between a 55-64 on selected assessments.

Special Education Safety Net: The Board of Regents approved the extension of the safety net for students with disabilities entering 9th grade from September 1996 to September 2011. To earn a Regents diploma, students must take and pass the required course work and five Regents examinations with grades of 65 or higher. The safety net allows students with disabilities who do not pass one or more of the Regents exams required for their graduating class to meet the requirements for a local diploma by either earning between a 55 to 64 on the Regents exam OR by passing the RCT (Regents Competency Test) in that subject. The student **MUST** take the required Regents exam, but may take the RCT before or after the Regents exam. These students will receive a New York State Local diploma.

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

I.E.P. Diploma

State regulations allow school districts to award local certificates to students who have handicapping conditions, and who have achieved the goals specified in their Individual Education Programs (I.E.P.) in the year when the local certificate is awarded. Students awarded an I.E.P. diploma must have attended school for twelve years beyond kindergarten. Students who are striving to earn an I.E.P. diploma may continue schooling until they reach the age of 21.

Grade Placement Minimum

| | |
|-------------------------|--------------|
| 10 th grade: | 5 credits |
| 11 th grade: | 10 credits |
| 12 th grade: | 16 ½ credits |

No partial credit will be given for full-year courses

***Counseling Programs***

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

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

Special Counseling Programs:

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

THE COUNSELING CURRICULUM COVERS THE FOLLOWING POINTS:***GRADE 9***

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

GRADE 10

- Career awareness and exploration
- "Do What You Are" by Naviance
- Work values & life style awareness
- Preparation for 11th grade: course selection process and the importance in relation to careers and post-secondary options

GRADE 11

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

GRADE 12

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



Scheduling/Course Changes

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

Scheduling Calendar

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

Withdrawal from a Course

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

Any changes that need to take place between week three and week five will require that a student utilize a drop/add form with appropriate signatures [approvals]. This form should be completed within two days and monitored by the student's counselor. **After week five, no changes will be permitted.** However, if there are extraordinary circumstances that require dropping a course after week five, a withdrawn passing (W/P) or withdrawn failing (W/F) will be noted on a student's transcript as determined by the principal.

Honors and Advanced Placement Programs: Challenge By Choice

Westhampton Beach High School offers a number of Honors and Advanced Placement courses. Prerequisites for a student to be enrolled in Honors and Advanced Placement classes include academic performance in previous classes, teacher recommendations, counselor input, **and most importantly student interest.** Students enrolled in Honors and Advanced Placement (AP) courses study an enriched curriculum preparing them for higher education. Honors and AP courses are given the highest final grade weighting that significantly affects students' rank in their class. Students are required to pay for and take AP exams.



Grade Weighting

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

For the graduating class of 2012 grades are weighted on a scale as follows:

Final grades in AP and Honors courses are multiplied by a factor of 1.1

All other final grades are multiplied by a factor of 1.0

For the graduating class of 2013 and beyond grades are weighted on a scale as follows:

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

Class Rank

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

Valedictorian/Salutatorian Determination

To validate who has earned the highest (valedictorian) and the second highest (salutatorian) ranks in a graduating class, students grades, class 2012 will be re-averaged at the end of the **second quarter** of the year in which the class graduates and the **third quarter** for the class of 2013 and beyond. Such determination is final and no adjustments thereafter will take place.

Transfer Students

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

Honor Roll

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

Special Education Services

The Special Education Department offers a full range of support services. It is the intent of the special education program to educate students with disabilities in as integrated a setting as possible. We offer a full range of academic programs in grades 9 through 12. These services include: modified classes, inclusion



classes, resource room, and consultant teacher services. When appropriate, the services of a psychologist, social worker, and speech therapist are available for students.

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

Student Support Services

Academic Intervention Services

Alternative Education

Counseling

ESL

Extra-help classes offered after school

Instructional Support Team

Psychologist

Social Worker

Testing Center [based upon the recommendation of CSE]

Reading Program

Student tutoring from NHS

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

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

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

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

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

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

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

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

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

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

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

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

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

Sculpture I and II will explore the five categories in creating sculpture, carving, modeling, construction, casting and assemblage. Various mediums will be used to include plaster, wire, wood and clay.

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

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

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

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

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

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

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

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

History of Modern Art**0785****Level of Student: Grades 10-12****No. of Credits: 1/2****Prerequisite: None**

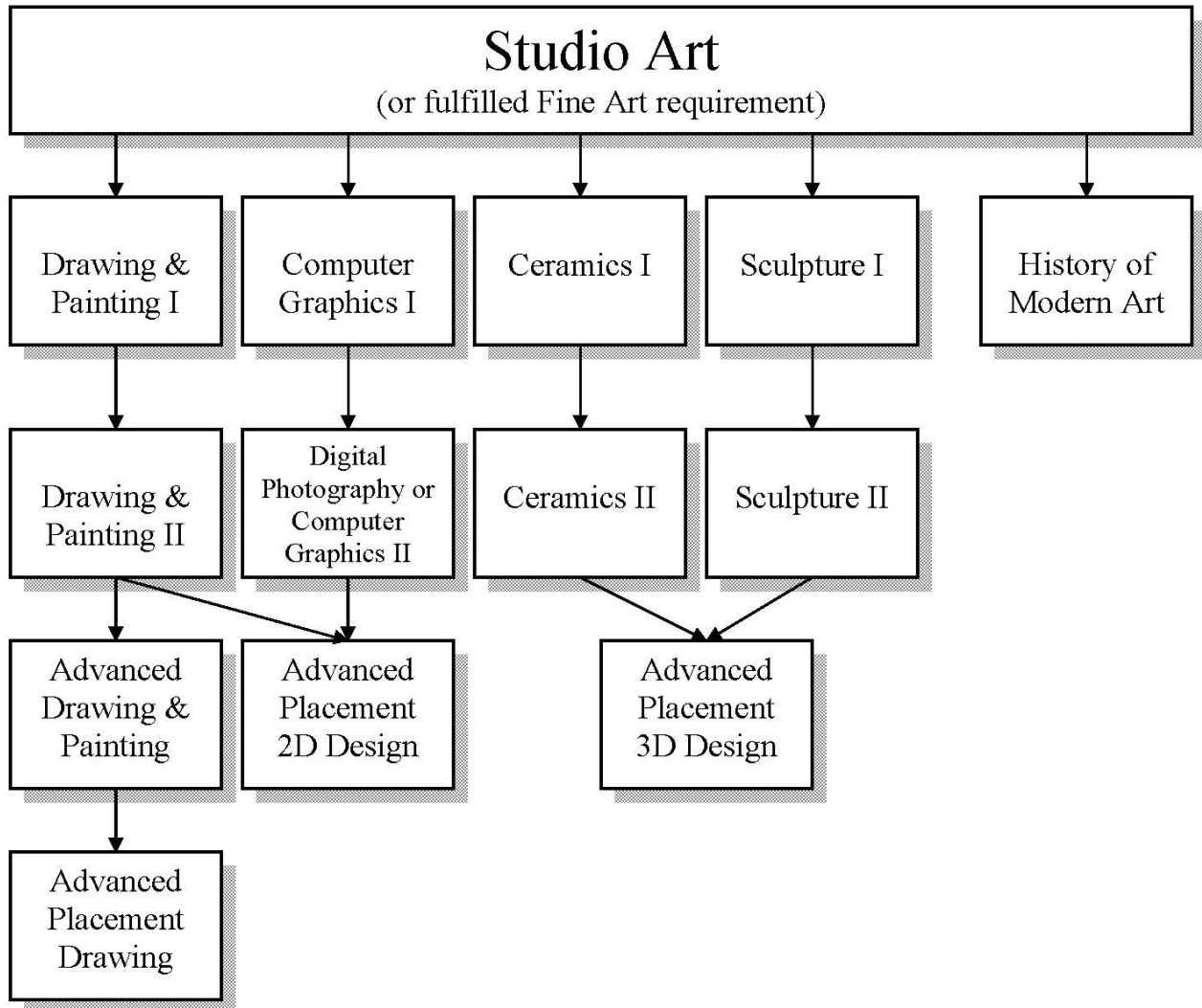
This class provides students with the opportunity to become an educated patron of the arts. Visual perception, basic art vocabulary and a sense of aesthetic judgment is developed. Art will be presented in relationship to media, technique and processes, style of the artist, and historical context. Historical examination begins at the time of the French Revolution (Jacques Louis David) to the present.

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

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



The flow charts throughout this book illustrate possible pathways that students can take. See course prerequisites for further details



**BUSINESS**

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

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

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

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

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

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

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

The need for highly qualified leaders has taken on increasing importance as the business world looks to address the unique challenges of the 21st century. This course helps to prepare the student who aspires to be a leader in a world that will require skills in a multitude of environments (financial, technological, marketing, legal) that include the ability to plan strategically, as well as to communicate with people on all levels. Students will apply their knowledge through problem solving and demonstration of complex management activities.

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

Gain valuable workplace opportunities in a paid, non-paid or community service position. Prepare yourself for college and the employment world. The student will gain insight into the jobs of the 21st century, learn how to compete in the job market, discover the right college major, and learn how to make the most of a workplace experience. This course will provide the student with valuable, practical information that may be applied universally to any job, such as: job searching, resume writing, interviewing skills, business plans, computer skills, etc. Students may be eligible for work release to gain on-the-job experience during the school day.

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

This course is for the advanced student who would like to explore accounting careers and plans to seek further education in the field of business. Students will learn business concepts and seek applications with the use of the computer and simulations. Students will create spreadsheets in Microsoft Excel and will learn how to use the accounting software, QuickBooks. This program is one of the most common software packages used by small businesses today and is an excellent addition to a college application or resume. **Students may be eligible to obtain three (3) college credits from Long Island University (ACE Program) for the successful completion of this course.**

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

Put your computer skills to the test. This unique and challenging course provides a more advanced level of instruction for talented students who have demonstrated exemplary skills and a sincere interest in advancing knowledge in computer technology. Students will become active participants in the creation of a dynamic, state of the art internet page for the Westhampton Beach School community, and cyberspace partners whenever possible. Students will learn to assume leadership roles, implement creative ideas, and work with the latest in cutting edge technology. Topics to be covered include: HTML programming, Internet applications, elements of web page design and construction, and Front Page 2000.



E-Commerce

0695

Level of Student: Grades 9-12

No. of Credits: 1/2

Prerequisite: None

More and more business/marketing education programs across the State are adding courses in e-commerce for elective and sequence credit. Through the course, students learn how business concepts apply to the electronic world of e-commerce. Personal application, such as online banking and consumer education are covered, as well as business applications such as Internet marketing, advertising, security, and global implications. This course is a part of the ACE program allowing students to receive college credit through Long Island University.

Accelerated College Entry Program (ACE)

Level of Student: Grades 11-12

No. of Credits: Three college credits

Requirements: 10th graders must have an 85% GPA and 11th and 12th graders must have an 80%

This program allows the student to remain in the high school environment and register with Long Island University. Students may take Business Law, E-Commerce, Computerized Accounting for three college credits. These credits may be transferable to other colleges. A transcript will be provided by LIU upon completion of the course.

Business Applied Math

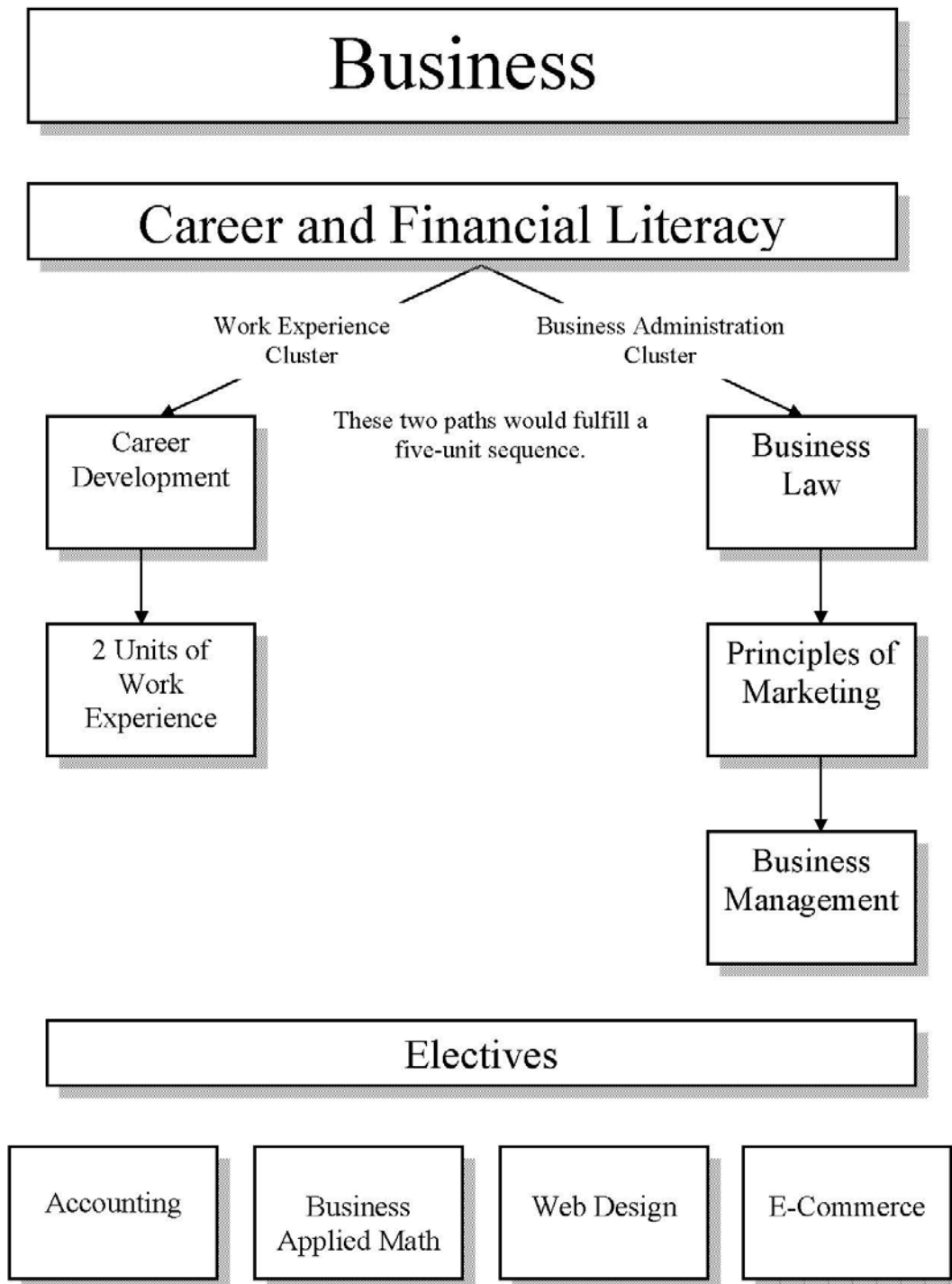
3004

Level of Student: Grades 10-12

No. of Credits: 1.0

Prerequisite: Integrated Algebra

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



ENGLISH

**English 9****0101****No. of Credits: 1.0****Prerequisite: Successful completion of English 8**

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

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

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

English 10 Honors**0132****No. of Credits: 1.0****Prerequisite: Admission is dependent upon previous academic achievement, teacher recommendation, counselor input and student choice.**

This course focuses on the interpretation and analysis of literature featuring the **theme of Individual and Society**. Students will read core texts such as *Julius Caesar*, *The Scarlet Letter*, *Anthem*, *Black Boy*, and *A Tale of Two Cities* as well as selected short stories, poetry, essays, and articles. Vocabulary development, research paper and writing skills, and grammar and usage work are emphasized, preparing students for both standardized tests and Advanced Placement English classes.

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

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

**English 11 Advanced Placement (AP) Language and Composition 0139****No. of Credits: 1.0****Prerequisite: Admission is dependent upon previous academic achievement, teacher recommendation, counselor input and student choice**

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

English 12 Advanced Placement (AP) Literature 0105**No. of Credits: 1.0****Prerequisite: Admission is dependent upon previous academic achievement, teacher recommendation, counselor input and student choice**

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

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

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

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

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

**Broadcast Journalism****0119****Level of Student: Grades 10-12****No. of Credits: 1****Prerequisite: None**

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

Broadcast Journalism II**0120****Level of Student: Grades 10-12****No. of Credits: 1****Prerequisite: Broadcast Journalism I**

This course is for veterans of the Broadcast 1 class. Focus of the course is on production and advanced editing techniques. Students in this course also contribute to production of the school television news show, *The Hurricane Watch* and the quarterly cable news show.

Journalism**0114****Level of Student: Grades 10-12****No. of Credits: 1****Prerequisite: None**

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

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

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

**History of Cinema****0134****Level of Student: Grades 10-12****No. of Credits: 1/2****Prerequisite: None**

Introduces students to film studies concentrating on theory, analysis, production, and nature of basic film forms. We will trace the history of film from the 1920s to the present. This course focuses on major developments in film content and form, the rise of the studio and star system, and the social context of film production and reception. The course seeks to relate film genres to the culture that created them. Students learn the critical and technical vocabulary of the subject and study important films in weekly screenings. Films include comedies, gangster films, science fiction, dramas, westerns, musicals and animation films.

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

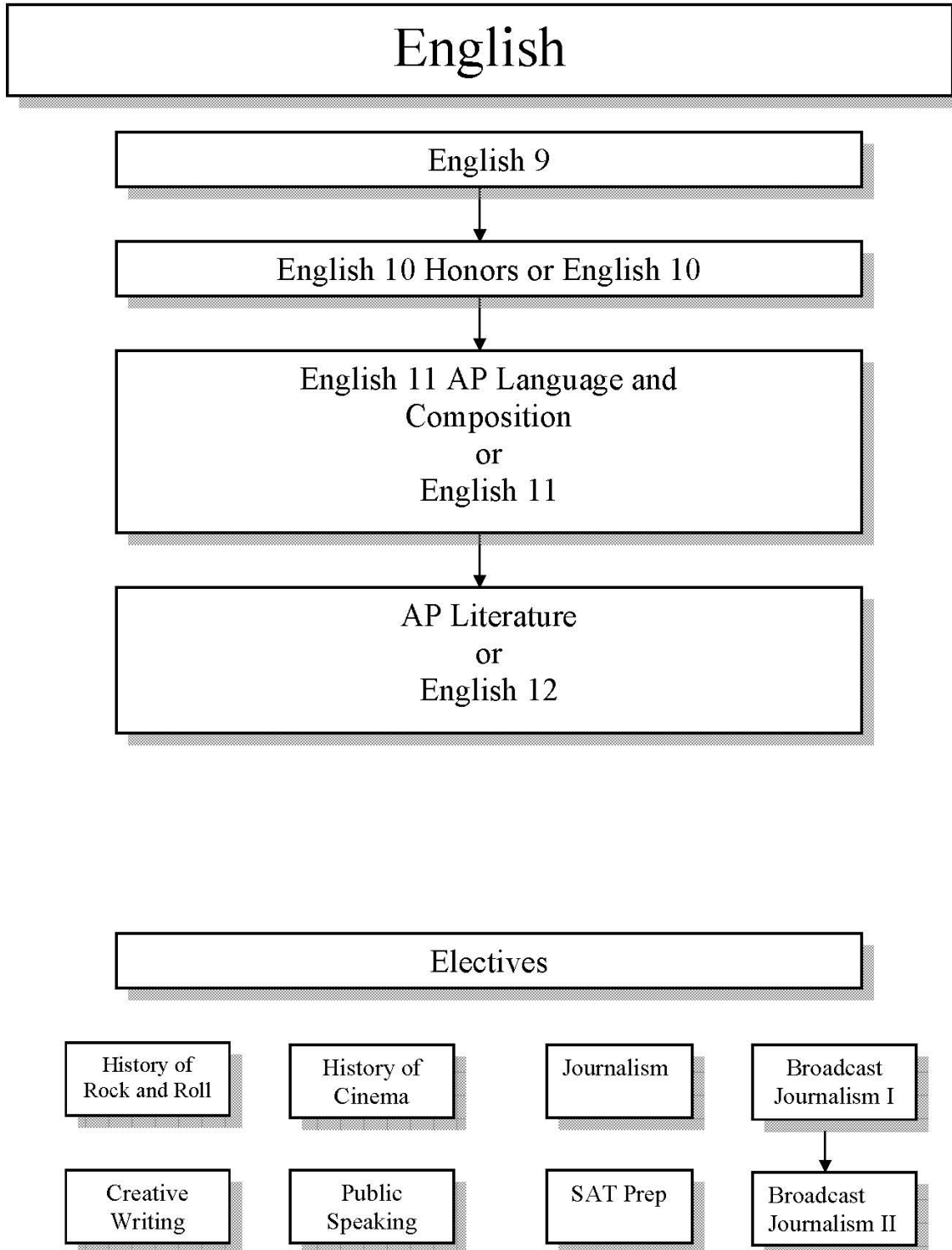
Since effective communication skills may be the most important skills you can acquire, this course is an excellent way to prepare for success in college and the workplace. Learn how to present yourself and your ideas with confidence as you practice these skills through a variety of public speaking presentations.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

ESL (English as a Second Language)**1500, 1507****Level of Student: Grades 9-12****1506****No. of Credits: 1.0**

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

SAT Preparation**0117****Level of Student: Grades 10-12****No. Of Credits: 1/2****Requirements: Taken in conjunction with Math SAT Preparation**

Improve test-taking skills on college entrance examinations through this survey course in vocabulary development, critical reading and mathematics. Math and English teachers work together to enhance student potential in this course.



**HEALTH AND PHYSICAL EDUCATION****Health****1401****Level of Student: Grades 10-12****No. of Credits: 1/2****Prerequisite: None**

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

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

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

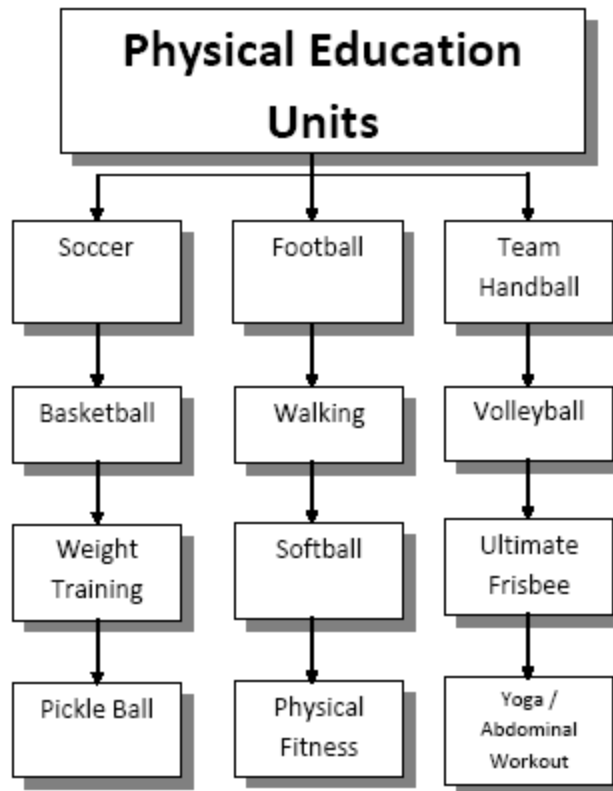
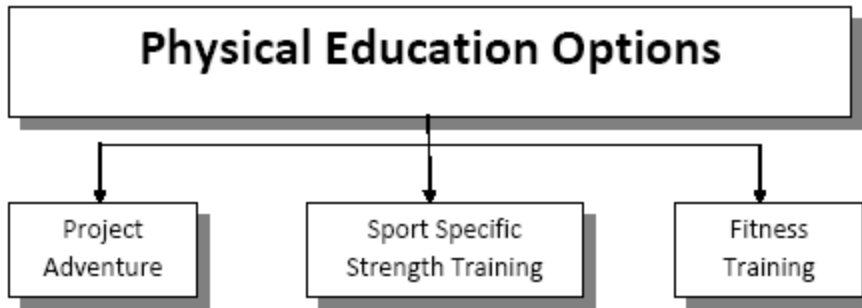
Introduction to Sports Medicine**1025****Level of Student: Grades 10-12****No. of Credits: 1/2****Prerequisite: First Aid/CPR (does not fulfill the Health requirement)**

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

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

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

Options within Physical Education: The first option is Sports Specific Strength Training. This course is designed for the in-season athlete and will develop strength and increase agility and speed. The second option is Project Adventure. This course will allow for students to learn how to solve problems, make decisions, set goals and develop communication skills in an atmosphere that is challenging, supportive and fun. The third option is Fitness Training. This option is designed for the student who is interested in learning more about personal fitness and lifetime activity.





LOTE (Languages Other Than English)

French I

0501

Level of Student: Grades 9-12

No. of Credits: 1.0

Prerequisite: None

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

French II

0502

Level of Student: Grades 9-12

No. of Credits: 1.0

Prerequisite: Successful completion of French I

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

French III

0503

Level of Student: Grades 10-12

No. of Credits: 1.0

Prerequisite: Successful completion of French II

This course emphasizes vocabulary building and grammar review. Language skills are refined and complex grammatical patterns are learned. This course prepares students for the Regents examination at the conclusion of the year. This course is required for an Advanced Designation on a Regents Diploma.

French III Honors

0523

Level of Student: Grades 10-12

No. of Credits: 1.0

Prerequisite: Admission is dependent upon previous academic achievement, teacher recommendation, counselor input and student choice

This course covers the French III curriculum at an accelerated pace. Enrichment is provided in the areas of language skills, reading comprehension and cultural knowledge. This course prepares students for the Regents examination at the conclusion of the year.

French IV

0504

Level of Student: Grades 11-12

No. of Credits: 1.0

Prerequisite: French III

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

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

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

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

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

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

This course emphasizes the development of speaking and writing through an exposure to a wide range of reading experiences. This course curriculum is on an advanced college level.

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

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

Spanish II**0507****Level of Student: Grades 9-12****No. of Credits: 1.0****Prerequisite: Successful completion of each level to proceed to the next**

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

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

This course emphasizes vocabulary building and grammar review. Language skills are refined and complex grammatical patterns are learned. This course prepares students for the Regents examination at the conclusion of the year. This course is required for an Advanced Designation on a Regents Diploma.



Spanish III Honors

0573

Level of Student: Grades 10-12

No. of Credits: 1.0

Prerequisite: Successful completion of Spanish II

This course covers the Spanish III curriculum at an accelerated pace. Enrichment is provided in the areas of language skills, reading comprehension and cultural knowledge. This course prepares students for the Regents examination at the conclusion of the year.

Spanish IV

0509

Level of Student: Grades 11-12

No. of Credits: 1.0

Prerequisite: Spanish III credit

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

Spanish IV Honors

0515

Level of Student: Grades 11-12

No. of Credits: 1.0

Prerequisite: Admission is dependent upon previous academic achievement, teacher recommendation, counselor input and student choice

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

Spanish V

0514

Level of Student: Grades 11-12

No. of Credits: 1.0

Prerequisite: Spanish IV

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

Advanced Placement (AP) Spanish

0510

Level of Student: Grades 11-12

No. of Credits: 1.0

Prerequisite: Admission is dependent upon previous academic achievement, teacher recommendation, counselor input and student choice

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

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

This is a college course, which follows the curriculum developed by Syracuse University. Successful completion of the course results in four (4) college credits from Syracuse University, which are transferable to most colleges throughout the nation.

This is a proficiency-based course that reviews understanding of the formal structures of language, refines previously acquired linguistic skills, and builds awareness of Spanish culture. Authentic oral and literary texts are introduced. This course uses film, TV/radio, and literary texts in developing oral, listening, and reading skills. Classes are conducted in Spanish.

The grading criteria will conform with that established by Syracuse University. Students will be informed of that criteria during the first week of the semester. (Tuition fees for four (4) credits from Syracuse University will be collected during the third week of the semester. Students will be billed directly from Syracuse during the first semester.)

Latin I 0511**Level of Student: Grades 9-12****No. of Credits: 1.0****Prerequisite: None**

Students are introduced to the “parent language” of the Romance languages. Syntax, etymology, English derivatives and vocabulary are examined, and the culture of Ancient Rome and its provinces are explored. Latin literary passages include myths, legends and history. This course will train students to develop an interdisciplinary perspective toward their curricular subjects.

Latin II 0551**Level of Student: Grades 9-12****No. of Credits: 1.0****Prerequisite: Latin I**

This sequential language course further develops skills in syntax and translation, and continues building vocabulary and English derivations. Roman authors and their works are explored at this level, and includes an extensive study in Ancient Roman culture, history and mythology. The course of study is strongly recommended for students pursuing the Regents Examination and the Sciences, Medicine, Pre-Law and the Arts & Humanities in college

Latin III 0589**Level of Student: Grades 10-12****No. of Credits: 1.0****Prerequisite: Latin II**

This sequential language course continues exploring the writings of Ancient Roman authors and Greco-Roman civilization. Emphasis is on extensive review of grammar concepts from Level II, vocabulary building, and



preparation for the Regents. The course of study is strongly recommended for students pursuing the Regents Examination and the Sciences, Medicine, Pre-Law and the Arts & Humanities in college.

Advanced Placement (AP) Latin**0590****Level of Student: Grades 10-12****No. of Credits: 1.0****Prerequisite: Latin III**

The AP Latin course aims are in conformity with college level Latin studies. As in all such courses at this level, the basic objective is progress in reading, translating, understanding, analyzing and interpreting Latin. The course includes the study of the cultural, social and political context of the literature on the College Board AP syllabus, concluding with the AP Latin-Vergil exam. The Exam is designed to test the student's ability to read, translate, understand, analyze and interpret designated lines of the Aeneid.

American Sign Language I**0113****Level of Student: Grades 10-12****No. of Credits: 1.0****Prerequisite: None**

This course is designed to be an enrichment elective for the student with no prior knowledge of ASL. The primary goal of ASL is the achievement of functional communication in the context of Deaf culture. Receptive, expressive and interactive skills will be emphasized as a foundation for effective communication. Students will develop a greater understanding and appreciation of Deaf culture, as well as their own culture. This course may not be used to satisfy LOTE requirements at Westhampton Beach High School.

American Sign Language II**0142****Level of Student: Grades 11-12****No. of Credits: 1.0****Prerequisite: Successful completion of Sign Language I**

This is an intermediate enrichment elective for the student who has completed American Sign Language I. The ability to communicate in ASL increases the opportunities to interact with Deaf people and to understand Deaf culture. Further development of receptive, expressive and interactive skills in ASL will be emphasized. This course may not be used to satisfy LOTE requirements at Westhampton Beach High School.

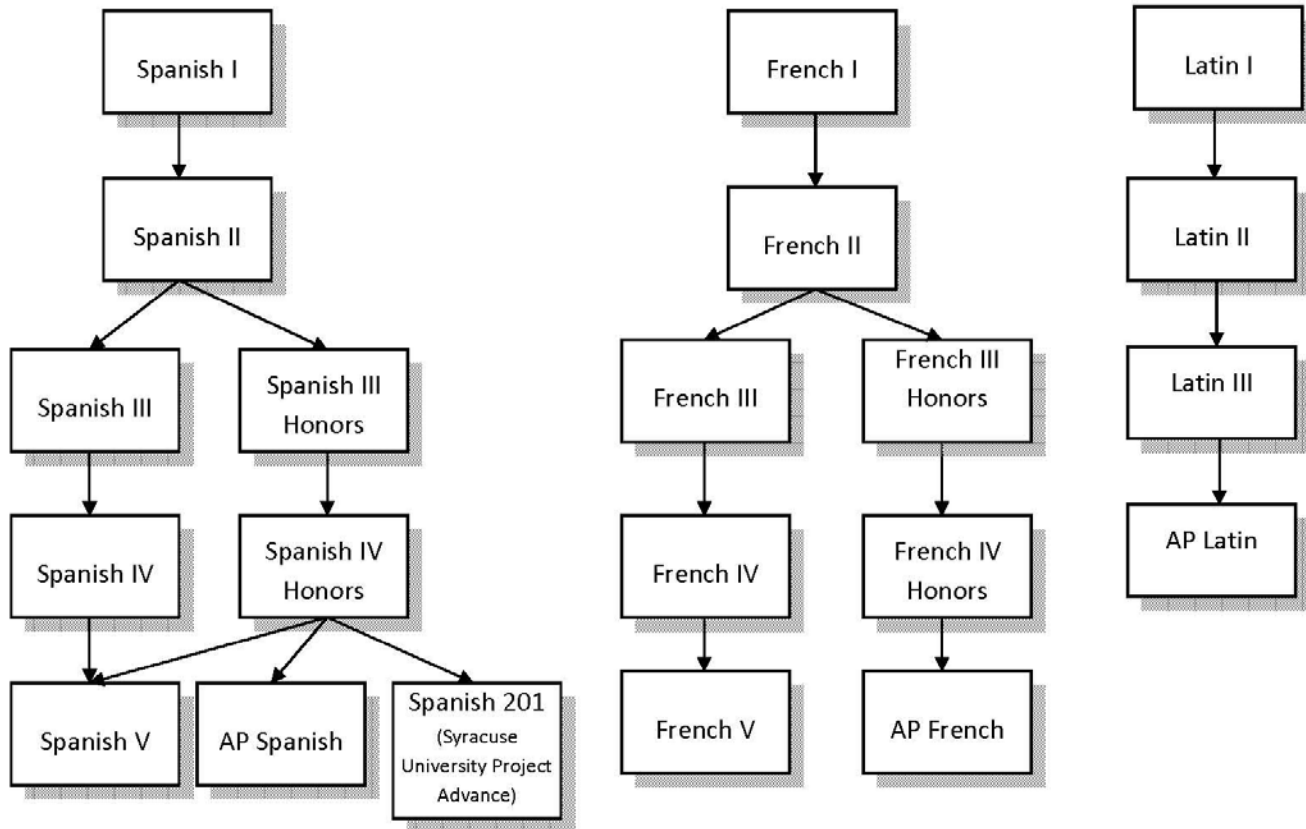
American Sign Language III**0196****Level of Student: Grade 12****No. of Credits: 1.0****Prerequisite: Successful completion of Sign Language II**

This is an advanced enrichment elective for the student who has completed American Sign Language II. The ongoing emphasis will be the development of receptive, expressive and interactive skills in ASL and the understanding of Deaf culture. This course also prepares students for the Regents examination at the conclusion of the year. This course may not be used to satisfy LOTE requirements at Westhampton Beach High School.



L.O.T.E.

Languages Other Than English



Electives: American Sign Language I, II, and III

**MATHEMATICS****Integrated Algebra****Level of Student: Grades 9****0314****No. of Credits: 1.0**

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

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

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

Algebra 2 and Trigonometry**0384****Level of Student: Grades 10 – 11****No. of credits: 1.0****Prerequisite: Geometry**

This is the third course in the New York State Regents sequential mathematics program. Topics include: Complex numbers, sequences and series, quadratic and radical equations, function notation and transformations, polynomial functions, logarithmic and exponential functions, unit circle trigonometry, trigonometric functions and graphs, Law of Sines and Cosines, trigonometric identities, trigonometric equations, permutations and combinations, descriptive statistics, binomial and geometric probability distributions, normal distributions, linear and non-linear regression models. Students will take the Algebra 2 and Trigonometry Regents in June.

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

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

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

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

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

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

Advanced Functions 0322**Level of Student: Grades 11-12****No. Of Credits: 1.0****Prerequisite: Algebra 2 and Trigonometry**

This course builds on the work and modeling in Algebra 2 and Trigonometry in preparation for AP Calculus. Topics include: piecewise functions, nth degree polynomial equations, rational functions, exponential functions, logarithmic functions, trigonometric functions, logistic functions, optimization problems, limits, and continuity. The foundations of the derivative and the Riemann Sum and their interpretations are established at the end of the course.

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

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

Advanced Placement (AP) Calculus BC 0378**Level of Student: Grade 12****No. of Credits: 1****Prerequisite: Advanced Functions or teacher recommendation**

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

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

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

Introduction to Java Programming**0312****Level of Student: Grades 10-12****No. of Credits: 1/2****Prerequisite: None**

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

Advanced Placement (AP) Computer Science**0308****Level of Student: Grades 10 – 12****No. of credits: 1.0****Prerequisite: Java Programming or Successful completion of Algebra 2 and Trigonometry**

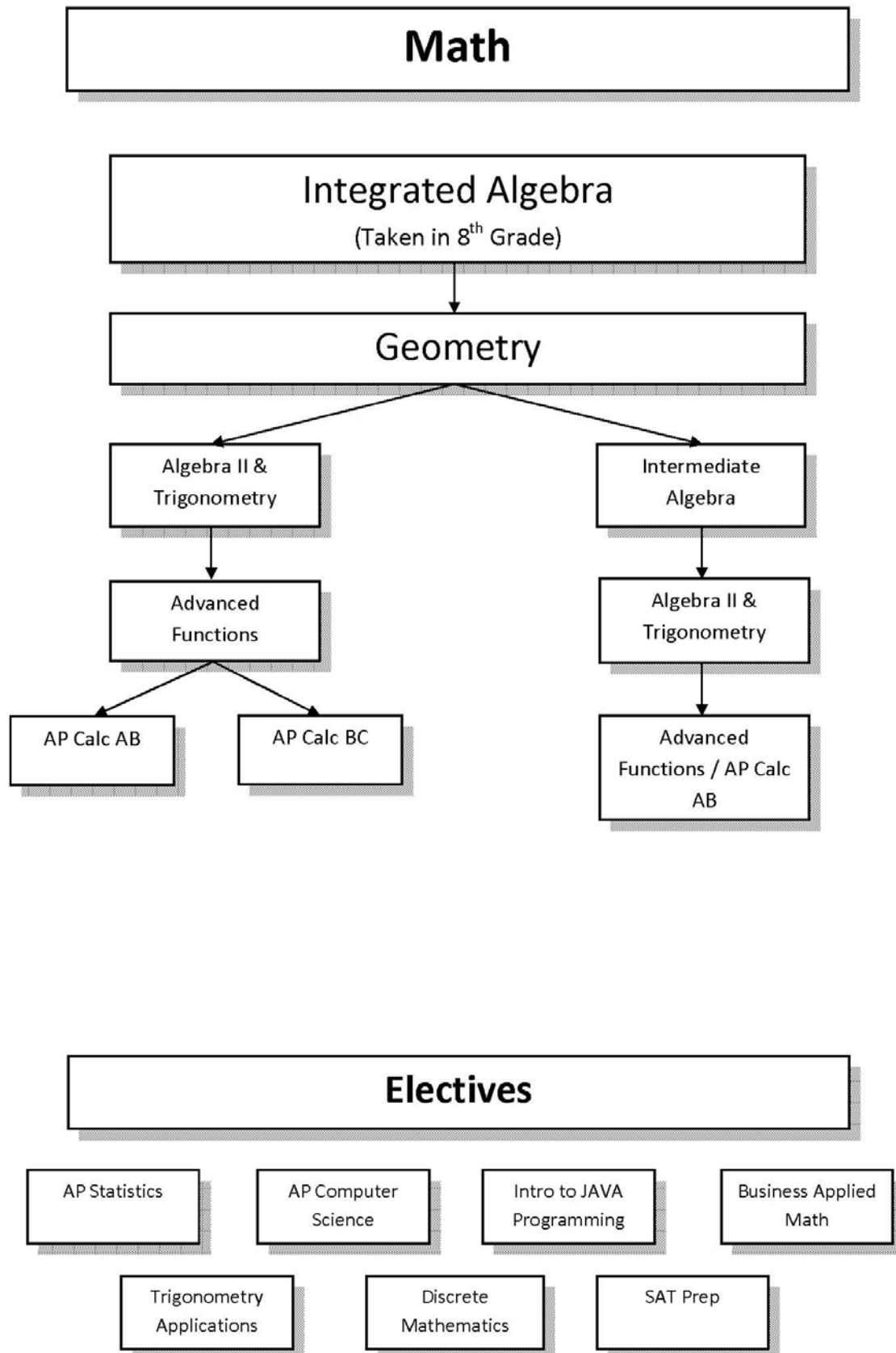
This course is designed for programming in Java. Problem solving and algorithm design will be emphasized. Topics include basic computer programming concepts of input, output, conditionals, looping, functions, sorting, searching, advanced data structures and object oriented programming. The programming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

SAT Preparation**0117****Level of Student: Grades 10-12****No. of Credits: 1/2****Requirement: Taken in conjunction with English**

Improve test-taking skills on college entrance examinations through this survey course in vocabulary development, critical reading and mathematics. A math and an English teacher work together to enhance potential in this course.

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

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



**MUSIC**

Students participating in the band and/or vocal music program may gain up to 2 credits annually. Students not enrolled in the vocal music program will attend the band class daily. Band students who wish to participate in Chorus will attend band and chorus on alternating days as arranged by the directors.

Concert Band **0983**
Level of Student: Grades 9-10 **0980 A/B**
No. of Credits: 1.0

Prerequisite: Previous band experience or the director's approval

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

Symphonic Band **0982**
No. of Credits: 1.0 **0986 A/B**

Level of Student: Grades 11-12

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

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

Concert Choir **0979**
Level of Student: Grades 9-10 **0981 A/B**
No. of Credits: 1.0

Prerequisite: Previous Choral experience or the director's approval

Enjoy the satisfaction of participation in group choral presentations; increase your general musicianship, and appreciation for music through participation in chorus.

Symphonic Choir **0985**
No. of Credits: 1.0 **0984 A/B**

Level of Student: Grades 11-12

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

Enjoy the satisfaction of participation in group choral presentations; increase your general musicianship, and appreciation for music through participation in chorus. This is an advanced chorus which performs challenging music from the best choral literature.



Music Theory and Aural Skills

0932

Level of Student: Grades 10-12

No. of Credits: 1.0

Prerequisite: Student must demonstrate music literacy

This course is for students seeking a thorough understanding of music theory. Emphasis placed on all scales, meters, intervals, chords, and their inversion and students will be introduced to four-part writing and basic musical forms. Students entering Music Theory will begin preparing for the AP Music class that will be offered in the 2011-2012 school year.

Advanced Placement (AP) Music Theory

0933

Level of Student: Grades 11-12

No. of Credits: 1.0

Prerequisite: Music Theory and Aural Skills I

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

**SCIENCE**

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

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

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

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

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

Advanced Placement (AP) Biology**0413****Level of Student: Grades 11-12****No. of Credits: 1.0****Prerequisite: Living Environment & Chemistry and admission is dependent upon previous academic achievement, teacher recommendation, counselor input and student choice**

This course is the equivalent of a college-level introductory biology course. Students are expected to have a thorough knowledge of the curricula covered in Living Environment and Chemistry. Topics include: basic biological chemistry, cells, energy transformations, molecular genetics, heredity, evolution, ecology, principles of taxonomy and systematic survey of monera, protists, fungi, plants, and animals. Twelve four-period AP labs are required. Students are required to write essays, read scientific journal articles, and complete eight to ten hours of work outside of class weekly. Satisfactory completion of a summer assignment is required.

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

Students taking this intensive and rigorous course have not taken a year of The Living Environment and Chemistry. Instruction will include the chemistry background needed for the course, but does not replace a full year of chemistry. Students will complete the requirements to take the AP exam in May and the Living Environment Regents in June. The content will enable them to take the SAT Subject Test in Biology. Only students who possess the maturity and work ethic to complete this college-level course should request it. A required daily academic study period with the course instructor supports this course.

See the previous course description for Advanced Placement Biology as it is the same for this course.

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

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

Physical Settings/Chemistry Honors**0436****Level of Student: Grades 10-11****No. of Credits: 1.0****Prerequisite: Algebra 2 and Trigonometry or concurrent enrollment. Admission is dependent upon previous academic achievement, teacher recommendation, counselor input and student choice**

This challenging Regents Chemistry course is a preparatory course for AP Chemistry. The enriched and expanded curriculum taught through demonstration, lecture, and hands-on laboratory experiences utilizes computers and technology, and requires a comprehensive mathematical background. This course will prepare students for the June Chemistry Regents examination, and the SAT Subject Test in Biology.

Advanced Placement (AP) Chemistry**0411****Level of Student: Grades 11-12****No. of Credits: 1.0****Prerequisite: Chemistry R, Algebra 2 and Trigonometry. Admission is dependent on previous academic achievement, teacher recommendation, counselor input and student choice**

The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year. Some topics covered in this course include structure and states of matter, and the kinetic theory of gases, chemical equilibria, chemical kinetics, the basic concepts of thermodynamics and descriptive chemistry. The emphasis of the course is on chemical calculations and the mathematical formulation of those principles involved. College-level tests and multimedia CD-ROMs are used as support materials for the course work and labs. A minimum of five hours per week of self-directed reading and study is expected. This course, with a strong emphasis on math, is recommended for students pursuing careers in science, medicine, and engineering. Satisfactory completion of a summer assignment is required.

**Physical Setting/Physics****0438****Level of Student: Grades 11-12****No. of Credits: 1.0****Prerequisite: Chemistry R, Algebra 2 and Trigonometry or concurrent enrollment**

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

Advanced Placement (AP) Physics “B”**0482****Level of Student: Grade 12****No. of Credits: 1.0****Prerequisite: Admission is dependent on previous academic achievement, teacher recommendation, counselor input and student choice**

Advanced Placement Physics “B” is a college level course that provides a systematic introduction to the main principles of physics. A richer understanding of topics introduced in Regents Physics will be further developed through demonstration, analysis and hands-on laboratory experience. Additional topics including rotational motion, fluid dynamics, thermodynamics, electro-magnetic applications, optics, special relativity, nuclear energy and quantum theory will also be discussed. Students will deal with these topics in a formal and highly analytical manner, therefore a significant amount of self-directed reading and study is expected. The emphasis of this course is on physical law and the mathematical formulation of the principles that govern it. The motivated student is expected to have a thorough knowledge of the curricula covered in Physics R, Chemistry R, and Pre-Calculus. This course is intended to provide an ideal foundation in physics for students wishing to further their study in the life sciences, pre-medicine, physics, mathematics, engineering and various applied sciences. Satisfactory completion of a summer assignment is required.

Environmental Science**0445****Level of Student: Grades 10-12****No. of Credits: 1.0****Prerequisite: Living Environment**

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

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

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

Topics covered include many aspects of biology, Earth and atmospheric sciences, fundamental principles of chemistry and physics, human population dynamics, and an appreciation for biological and natural resources. The program provides a problem-solving approach to these topics and students will have an array of laboratory and field experiences. Satisfactory completion of a summer assignment is required.

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

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

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

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

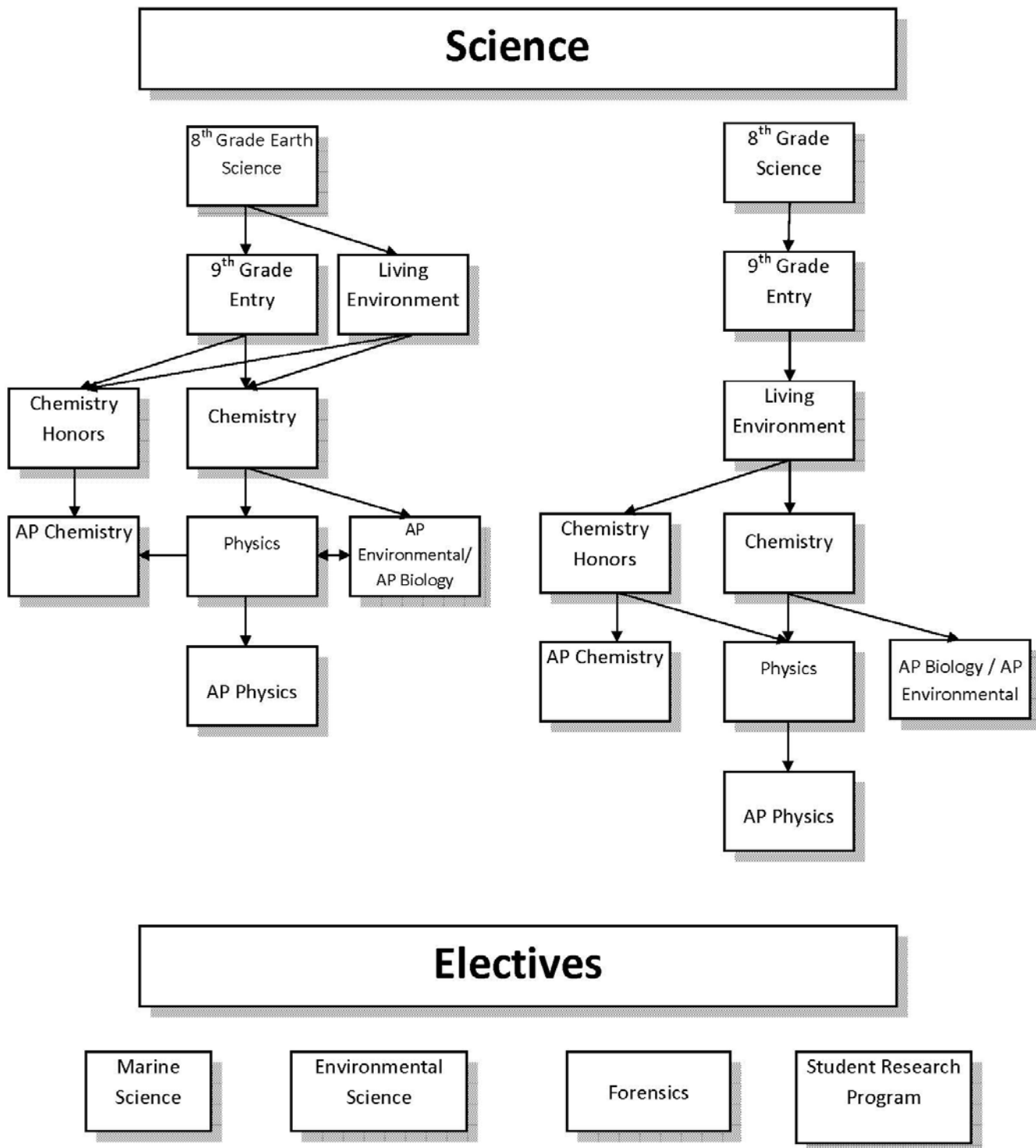
**Student Research Program [SRP]****0488, 0491****Level of Student: Grades 9-12****0492, 0493****No. of Credits: 1.0 (per year)**

Prerequisite: Students with an 85 average in both Algebra and Earth Science [8th grade] are eligible to apply for admission to the program. The selection process includes the completion of a program application and an interview with the program director

What makes this class unique is the opportunity for students to study topics they really love. Students will carry out an original “science fair project” that will be entered into local competitions such as the Long Island Junior Science Congress, Long Island Science and Engineering Fair, and the Long Island Junior Science and Humanities Symposium. The instruction in this class will focus on choosing a topic and developing it through extensive Internet and bibliographic research and hypothesis development. Students will learn to set-up, manage, and conduct their own experiments to test their hypotheses. A major component of the course will prepare the students in the presentation of their research experimentation, results, and conclusions in PowerPoint, poster, and text formats. This class allows the student to perform independently in the development of original ideas in basic and applied research. Students will participate in the annual Research Symposium in May. Satisfactory completion of a summer assignment is required. Students will be encouraged to find an outside mentor and work with them in the university or professional laboratory setting.

The flow chart shown below illustrates possible pathways that students can take. See course prerequisites for further details. Due to the amount of work and dedication a student must put towards this course, students will be awarded a weight upon the completion of both their third and fourth year, see below.

- A weight of .3 will be added to a student’s GPA using the GPA Plus system upon completion of the student’s junior year (3rd year in the program).
- A weight of .3 will be added to the student’s GPA in their senior year (4th year in the program) if the student submits a project to the Intel competition.
- A weight of .15 will be added to the student’s GPA in their senior year (4th year in the program) for students who do not submit a project to Intel but continues in the program and enters local competitions (ie: Long Island Science Congress and Long Island Science and Engineering Fair).
- Sophomores or students new to the district who wish to enter the Student Research Program will receive a weight of .15 at the conclusion of their junior year, and senior year will reflect the same as above (.3 for an Intel submission, .15 for entering local competitions but without an Intel submission).



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

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

Global History and Geography I Honors 0213**Level of Student: Grade 9****No. of Credits: 1.0****Prerequisite: Admission is dependent on previous academic achievement, teacher recommendation, counselor input and student choice**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



Advanced Placement (AP) Economics

0228

Level of Student: Grade 12

No. of credits: 1/2

Prerequisite: Admission is dependent upon previous academic achievement, teacher recommendation, counselor input and student choice

This is a college level economics course that will prepare students for the AP test in macroeconomics. This course satisfies the economics requirement for graduation by the State of New York. It is taught in the spring semester and students will take the AP exam in macroeconomics in May. Students interested in this course should have a strong background in Mathematics.

Advanced Placement (AP) Government

0223

Level of Student: Grade 12

No. of credits: 1/2

Prerequisite: Admission is dependent upon previous academic achievement, teacher recommendation, counselor input and student choice

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

The 1960's

0200

Level of Student: Grades 11-12

No. of Credits: 1/2

Prerequisite: None

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

Psychology

0208

Level of Student: Grades 11-12

No. of Credits: 1/2

Prerequisite: None

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

Advanced Placement (AP) Psychology

0207

Level of Student: Grades 10-12

No. of Credits: 1.0

Prerequisite: None

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



The American Revolution, The Civil War and World War II 0254

Level of Student: Grades 11-12

No. of Credits: 1/2

Prerequisite: None

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

Sociology 101

0238

Level of Student: Grade 12

No. of Credits: 1/2

Prerequisite: Any senior who is college bound and has an average of 80 and above

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



Social Studies

Global History I Honors
(Advanced Placement Preparation)
or
Global History I

AP World History
or
Global History II

AP American History
or
U.S. History and Government

AP Economics or Economics
and
Participation in Government or AP Government

Electives

AP Modern
European
History

AP Psychology

The American
Revolution,
the Civil War,
and World
War II

The 1960's

Psychology

Sociology 101

**SPECIAL EDUCATION****English 9****99902****No. of Credits: 1.0****Level: Modified**

This course offers a full range of literary novels. Students are expected to read four novels during the year. Vocabulary words are selected from these novels and integrated into students' writing assignments. Students are also expected to read short stories as assigned by the instructor. Students are also exposed to poetry and poetry writing. Basic grammar is emphasized on a daily basis. This course prepares students for the English 11 Regents.

English 10**99904****No. of Credits: 1.0****Level: Modified**

Students read four novels during the year. A continuation of vocabulary and writing development are emphasized. Students are expected to critique the literary works they read and to express their opinions both in written and verbal form. Basic grammar skills are reinforced on a daily basis. This course prepares students for the English 11 Regents.

English 11**99906****No. of Credits: 1.0****Level: Modified**

This course is designed to prepare students to pass the English 11 Regents. Vocabulary building is a primary focus, along with analogies and similarities. The goal is for the students to use these words coherently when they are writing and speaking. Students will read various novels and short stories during this course. The English Comprehensive Regents Examination is required for all English 11 students

English 12**99908****No. of Credits: 1.0****Level: Modified**

The goal of this course is to give students literary strategies in their personal life, college, and the work place. Students will effectively write a resume, business letter, cover letter, applications for college and job applications. This use of the computer is an integral part of completing this process. Short stories and novels are also read. Creative writing skills are further enhanced at this time.

Integrated Algebra**99972****No. of Credits: 1.0****Level: Modified**

This is a course designed to prepare students for the NYS Algebra exam.

Math Applications**99936****No. of Credits: 1.0****Level: Modified**

This course engages students in the practical application of mathematical concepts and applied problem solving.



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|--|--------------|
| Global History and Geography I Level of Student: Grade 9 No. of Credits: 1.0 Level: Modified See course description on page 41 | 99910 |
| Global History and Geography II Level of Student: Grade 10 No. of Credits: 1.0 Level: Modified See course description on page 41 | 99912 |
| United States History and Government Level of Student: Grade 11 No. of Credits: 1.0 Level: Modified See course description on page 42 | 99913 |
| Economics Level of Student: Grade 12 No. of Credits: 1/2 Level: Modified See course description on page 42 | 99914 |
| Participation in Government Level of Student: Grade 12 No. of Credits: 1/2 Level: Modified See course description on page 42 | 99915 |
| The Physical Setting/Earth Science Level of Student: Grades 9-10 No. of Credits: 1.0 Level: Modified See course description on page 35 | 99937 |
| The Living Environment/Biology Level of Student: Grades 10-11 No. of Credits: 1.0 Level: Modified See course description on page 35 | 99947 |

**Science Topics****99948****Level of Student: Grades 10-12****No. of Credits: 1.0****Level: Modified**

This course is designed to cover four topics in science: environmental science, marine science, chemistry, and important scientists. Lessons and classes will consist of hands-on experiments and activities. Projects will also be required. This course is intended to increase students' awareness of how science impacts their lives.

Health**99939****Level of Student: Grades 9-10****No. of Credits: 1/2****Level of Student: Modified**

See course description on page 21

Career and Financial Management**99960****Level of Student: Grades 9-12****No. of credits: 1.0****Level of Student: Modified**

See course description on page 12

Resource Room**99923****Level of Student: Grades 9-12**

The Resource Room enables students with disabilities to implement accommodations mandated by their IEP and necessary for their success in mainstream classes.

Reading**99957****Level of Student: Grades 9-12**

Students are taught strategies to increase their comprehension skills and individualized lessons are created to increase phonetic awareness and expand vocabulary.

Intensive Counseling Program**Level of Student: Grades 11-12**

The Intensive Counseling Program is an 8:1:1 self-contained class for juniors and seniors within the regular school setting. It is designed to enable special educational students who need additional support and counseling to be successful in the regular school setting. Students in the ICP classroom receive individual and group counseling services, as well as any other related services they are entitled to as per his/her IEP. Academic classes are taught in the morning and in the afternoon, the students attend a vocational training program of their choice in a BOCES facility.

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

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

Architectural Drawing**1223****Level of Student: Grades 10-12****No. of Credits: 1/2****Prerequisite: Design and Drawing for Production**

Design the home of your dreams! Make working drawings describing floor plans, elevations, wall sections, and plot plans. Enhance your portfolio for college admissions. May be used toward the fine arts credit requirement.

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

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

Principles of Technology**0400****Level of Student: Grades 10-12****No. of Credits: 1.0****Prerequisite: Grade 10 with teacher recommendation**

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

Robotics**1228****Level of Students: Grades 9-12****No. of Credits 1.0****Prerequisite: None**

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

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

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

Flash Animation**0688****Level of Student: Grades 9-12****No. of Credits: 1/2****Prerequisite: None**

This course introduces the student to the basics of Flash 8. Through a series of hands-on projects, students will develop a firm foundation in Flash - from graphics, animation and video to ActionScript fundamentals. Create buttons and links, draw and animate, format text, add video and sound, load data, and more. Everything you need to develop sophisticated, professional looking Web sites.

A+**0686****Level of Student: Grades 9-12****No. of Credits: 1/2****Prerequisite: None**

This course is an in-depth exposure to computer hardware and operating systems. Students learn the functionality of hardware and software components as well as suggested best practices in maintenance and safety issues. Through hands-on activities and labs, students learn how to assemble and configure a computer, install operating systems and software, and troubleshoot hardware and software problems.

CISCO Networking Academy: Course I and Course II [Networking Basics]**Level of Student: Grades 10-12****0641****No. of Credits: 1/2****Prerequisite: Introduction to CISCO Networking**

Networking Basics is the first of the four courses leading to the CISCO Certified Network Associate (CCNA) certification. CCNA I introduces students to the networking field. The course focuses on network terminology and protocols, local-area networks (LANs), wide-area networks (WANs), Open System Interconnection (OSI) models, cabling, cabling tools, routers, router programming, Ethernet, Internet Protocol (IP) addressing, and network standards.

The second semester focuses on initial router configuration, CISCO IOS Software management, routing protocol configuration, TCP/IP, and access control lists (ACLs). Students will develop skills on how to configure a router, manage CISCO software and create access lists controlling access to the router.

CISCO Networking Academy: Course III and Course IV [Switching Basics and Intermediate Routing]**Level of Student: Grades 10-12****0643****No. of Credits: 1/2****Prerequisite: Course I and II**

This course focuses on advanced IP addressing techniques (Variable Length Subnet Masking [VLSM]), intermediate routing protocols (RIP v2, single-area OSPF, EIGRP), command-line interface configuration of switches, Ethernet switching, Virtual LANs (VLANs), Spanning Tree Protocol (STP), and VLAN Trunking Protocol (VTP). The second semester focuses on advanced IP addressing techniques (Network Address Translation [NAT], Port Address Translation [PAT], DHCP) WAN technology and terminology, PPP, ISDN, DDR, Frame Relay and network management. Included are modules introducing optical networking and emerging technologies. In addition, the student will prepare for taking the CCNA exam.



The following flow chart illustrates how a student can obtain a five-unit sequence in Technology

Career and Financial Management
½ Credit

Design and Drawing for Production
1 Credit

Principles of Technology
1 Credit

2 ½ Credits of Electives



OCCUPATIONAL TRAINING

Learn specific entry-level skills for direct employment after graduation from high school. Instruction is provided for our students at four centers in Eastern Suffolk BOCES. Students wishing to attend BOCES Occupational Training Programs must meet criteria listed on page 55. Four credits are awarded for the completion of each year in a half-day BOCES program. Transportation to and from school is provided. Students enrolled in a BOCES program may participate in after-school activities.

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

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

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

| <u>Islip Tech</u> (Oakdale) | <u>Brookhaven Tech</u> (Bellport) | <u>Ward Tech</u> (Riverhead) |
|---|--|---|
| [Westhampton Beach students may not attend Islip Tech in the PM because travel time cuts into both BOCES and home school instructional time.] | Advertising Art & Design Animal Science Carpentry/Res. Const. Clinical Medical Assisting Cosmetology Culinary Arts/Restaurant Op. Mgmt. Dental Assisting Drafting-Computer Aided & Manual Dramatic Arts Early Childhood Education Marine Science/Oceanography Motorcycle/Marine Service Tec. Nail Technology Nurse Assisting Plumbing & Heating Practical Nursing Television Production Trade Electricity | Advertising Art & Design Auto Accessory Installation Auto Body Repair & Refinishing Automotive Technology Clinical Medical Assisting Computer Technology Computerized Office Tech Cosmetology Culinary Arts/Rest Op. Mgmt. Digital Graphics Floral Arts/Horticulture Graphics Comm. Printing Law Enforcement Marine/ Motorcycle & Outdoor Power Equipment Nurse Assisting Technical Electronics |

Suffolk Aviation Academy

(Shirley)
 Aviation/Airframe Mechanics
 Aviation/Professional Pilot Training

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



BOCES Eligibility Policy

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

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

Academic Intervention Services

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

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



Notes