

# **COXSACKIE-ATHENS HIGH SCHOOL**



## **STUDENT PROGRAM PLANNING GUIDE**

**2008–2009**

**PLANNING YOUR HIGH SCHOOL PROGRAM**

## **Planning Your Courses**

In planning your high school program you should take into consideration your special abilities, interests and objectives. Your patterns of studies will be built around a core of required subjects. By carefully selecting elective subjects which meet your academic needs and satisfy your interests and abilities you can work toward your own educational, occupational and personal goals. You are encouraged to consult with your parents, teachers and school counselor to plan a program of studies which allows you an opportunity both for success and challenge.

## **Steps in Planning**

The pattern of studies which you plan for yourself will help you enjoy a successful and rewarding high school career. It will determine how well you are prepared for college entrance and/or for obtaining and holding a job. Your pattern of studies will contribute to your day by day personal growth and happiness. Here are the steps that would be best to follow in planning your high school program:

1. Establish personal goals. Even though they may be revised, it would be best to have some specific educational, occupational and personal objectives which you are working toward.
2. Honestly evaluate your personal strengths, interests, aptitudes and needs.
3. Learn the requirements for entrance to the college(s) or school(s) of your choice, or the kind of work you plan to do after graduation.
4. During your junior year visit the college(s) or technical school(s) in which you are interested.
5. Consult with your parents, teachers and school counselor in order to benefit from his or her experience. Talk with citizens of the community who are currently working in the profession or vacation you desire.
6. Select the subjects which are to be included in your pattern of studies. Choose those which will contribute most toward helping you achieve the goals you have established.

## **Program Load**

Students must carry a minimum of five subjects plus Physical Education for the four years they are here. Fifth year seniors may carry an alternate load with approval.

## **Test Requirements**

The New York State Education Department requires all students graduating from high school in New York State pass Regents examinations in English, math, science, global studies and United States history. In order to earn an Advanced Regents Diploma students are also required to pass an additional math Regents exam, a second Regents exam in science and the Comprehensive Foreign Language Regents exam. These requirements are outlined in more detail on the next three pages. It would be beneficial for you to consult your school counselor to review your diploma requirements and options.

## **Academic Intervention Services**

Students in jeopardy of not meeting the New York State standards receive Academic Intervention Services (AIS) based on his or her performance on the eighth grade assessments in math, English, science and social studies. AIS is also available for students who fail the required five high school Regents exams: English Language Arts (ELA), Earth Science or Living Environment, Math A or Algebra I, Global History and United States History. Ongoing evaluations help to determine the specific levels of intervention necessary for each student (i.e. individual or small group instruction, teaching assistant support, monitoring, ninth period help, stretch courses or push-in/team teaching).

# COXSACKIE-ATHENS HIGH SCHOOL FOUR-YEAR PLAN

1. Select one unit of English at the Regents 1 or 2 level for each year.
2. Select one unit of social studies at the Regents 1 or 2 level for each year.
3. Select a minimum of three units of math. Depending on year of entry into ninth grade, requirements for the Regents and Advanced Regents diplomas change. Consult with your school counselor.
4. Select a minimum of three units of science: minimum one lab science class for a Regents diploma, minimum three lab science classes for an Advanced Regents diploma.
5. Select a minimum of one unit of foreign language. For a Regents diploma students will need a minimum of one unit of foreign language. If a student passes a Second Language Proficiency exam in eighth grade he or she may earn one high school credit. For an Advanced Regents diploma students will need a minimum of three credits in foreign language.
6. Select a minimum of one unit of art or music from approved fine arts courses (Band, Chorus, Design and Drawing for Production or Studio Art).
7. Select  $\frac{1}{2}$  unit of physical education each year.
8. Select  $\frac{1}{2}$  unit of health during eleventh or twelfth grade.
9. Select  $\frac{1}{2}$  unit of computer education.
10. Complete each year's program with elective courses in order to reach the 22 required graduation credits.
11. Meet with your school counselor at least once a year to assist with the continuing development of your individual high school plan.

# HOW TO BE SUCCESSFUL IN HIGH SCHOOL

1. Come to school every day unless you are ill. If you are absent from school it is **your** responsibility to see each teacher about missed assignments, tests, and quizzes.
2. Pay attention in class and contribute to class discussions. Class participation and class work count toward your grades.
3. Complete and hand in **all** homework assignments. Homework reinforces ideas and problem solving you learn in class. Homework grades are worth at least 25% of your overall grades.
4. Complete and hand in all components of your book reports and research papers. These assignments are weighed heavily in your marking period averages.
5. Study for **all** tests and quizzes. This may include completing reading assignments, taking practice tests (when available), reviewing class notes, equations and formulas, outlining chapters, practicing essay writing and studying vocabulary.
6. Stay 9th period with teachers when you need extra help and when review classes are offered. Teachers are available Monday - Thursday 9th period.
7. Use your agenda book to keep track of assignments and upcoming exams.
8. Come prepared for class with a notebook, textbook, pens, pencils, calculator, etc.
9. Organize notebook, handouts and assignments for each class daily.
10. Get involved in school sports and clubs. Colleges and employers like well-rounded students. Extracurricular involvement enhances social, athletic and leadership skills.
11. Work with your school counselor to plan your academic program, college choices and career plans.

\* Always remember -- Parents, teachers, counselors, and administrators are on your side to help you to get the most out of your high school experience.

# GRADUATION REQUIREMENTS: ADVANCED REGENTS DIPLOMA

REQUIRED COURSES	UNITS	REQUIRED EXAMS	GRADE
English	4	English Language Arts (ELA) Regents	11 <sup>th</sup>
Social Studies	4	Global History Regents United States History Regents	10 <sup>th</sup> 11 <sup>th</sup>
Mathematics	3	Math A Regents and Math B Regents <b>or</b> Algebra, Geometry and Trigonometry Regents <b>or</b> Math A and Trigonometry (Math requirements vary based on date of student entry into 9 <sup>th</sup> grade. Contact your school counselor or math curriculum leader for further information.)	
Lab Science	3	Two science Regents exams – typically Earth Science and Living Environment	
Foreign Language	3	Comprehensive Foreign Language Regents	
Physical Education	2		
Art/Music	1		
Health	½		
Computer Education	½		
Electives	1		
<b>TOTAL CREDITS FOR GRADUATION</b>	<b>22</b>		

## GRADUATION REQUIREMENTS: REGENTS DIPLOMA

REQUIRED COURSES	UNITS	REQUIRED EXAMS	GRADE
English	4	English Language Arts (ELA) Regents*	11 <sup>th</sup>
Social Studies	4	Global History Regents* United States History Regents*	10 <sup>th</sup> 11 <sup>th</sup>
Mathematics	3	Math A Regents* <b>or</b> Algebra Regents* (Math requirements vary based on date of student entry into 9 <sup>th</sup> grade. Contact your school counselor math curriculum leader for further information.)	
Science	3	One lab science Regents exam* – typically Earth Science or Living Environment	
Foreign Language	1		
Physical Education	2		
Art/Music	1		
Health	½		
Computer Education	½		
Electives	3		
<b>TOTAL CREDITS FOR GRADUATION</b>	<b>22</b>		

\* The State Board of Regents approved moving to 65 as the passing score for Regents Exams. The transition will be phased in as follows:

- **For students entering 9<sup>th</sup> grade in 2005:** Students must have at least two scores at 65 or higher on the five required Regents exams and all scores at 55 or higher.
- **For students entering 9<sup>th</sup> grade in 2006:** Students must have at least three scores at 65 or higher on the five required Regents exams and all scores at 55 or higher.
- **For students entering 9<sup>th</sup> grade in 2007:** Students must have at least four scores at 65 or higher on the five required Regents exams and all scores at 55 or higher.
- **For students entering 9<sup>th</sup> grade in 2008:** Students must pass all five required Regents exams at a score of 65 or higher.

Students entering 9<sup>th</sup> grade in 2005, 2006 or 2007 would have the option of a Local diploma following the above guidelines. Students with disabilities entering 9<sup>th</sup> grade prior to 2010 may still pass the Regents Competency Tests instead of Regents exams to earn a Local diploma. The low-pass option of scoring a 55-64 on the required Regents exams will continue to be available for students with disabilities and will allow them to earn a Local diploma.

## SUGGESTED PROGRAM COMBINATIONS

Here are a few typical four-year patterns which illustrate the way you might plan your program of study. Be sure to check the requirements for entrance to the college(s) or school(s) you are interested in. Remember to investigate the qualifications for the occupational field you are exploring.

1. If you are planning to attend a four-year liberal arts college, consider taking Regents courses in the following areas:
  - 4 units of English
  - 4 units of social studies
  - 3-4 units of math
  - 3-4 units of science
  - 3-4 units of foreign language
  - ½ unit of health
  - ½ unit of computer education
  - 1 unit of art/music
  - 2 units of physical education
  
2. If you are planning to major in engineering, architecture, math, science or pre-medicine, consider taking Regents courses in the following areas:
  - 4 units of English
  - 4 units of social studies
  - 4 units of math
  - 4 units of science
  - 3 units of foreign language
  - 1 unit of Design and Drawing for Production
  - ½ unit of health
  - ½ unit of computer education
  - 2 units of physical education
  
3. If you are planning to attend a nursing program, consider taking Regents courses in the following areas:
  - 4 units of English
  - 4 units of social studies
  - 3 units of math
  - 3-4 units of science (including Biology and Chemistry)
  - 3 units of foreign language
  - ½ unit of health
  - ½ unit of computer education
  - 1 unit of art/music
  - 2 units of physical education

## SUGGESTED PROGRAM COMBINATIONS (continued)

4. If you are planning to major in business at a four-year college, consider taking Regents courses in the following areas:
  - 4 units of English
  - 4 units of social studies
  - 3-4 units of math
  - 3-4 units of science
  - 3 units of foreign language
  - ½ unit of health
  - ½ unit of computer education
  - 1 unit of art/music
  - 2 units of physical education
  
5. If you are planning a career in business and attending a two-year school, consider taking Regents courses in the following areas:
  - 4 units of English
  - 4 units of social studies
  - 3 units of math
  - 3 units of science
  - 1 units of foreign language
  - 1 unit of Career Finance
  - 2 units of other business electives
  - ½ unit of health
  - 1 unit of computer education
  - 1 unit of art/music
  - 2 units of physical education
  
6. If you are planning a four-year degree in fine arts, consider taking Regents courses in the following areas:
  - 4 units of English
  - 4 units of social studies
  - 3 units of math
  - 3 units of science
  - 3 units of foreign language
  - 3-5 units of art/music
  - ½ unit of health
  - ½ unit of computer education
  - 2 units of physical education

Consulting with your school counselor will help him or her assist you in choosing the course of study and electives best suited to your current and future academic needs. Students and parents/guardians are strongly encouraged to speak with the school counselors, teachers and administrators to help guide each student's academic choices.

# QUESTAR III CAREER AND TECHNICAL EDUCATION CENTER

If you are planning to enter a career and technical education program, you will need to successfully complete the following courses during your 9<sup>th</sup> and 10<sup>th</sup> grade year:

- 2 units of English
- 2 units of social studies
- 2 units of math
- 2 units of science
- 1 unit of foreign language
- 1 unit of art/music
- 2 units of physical education
- ½ unit of computer education (preferred)

In the last two years of high school, a student who opts to enhance his or her high school experience with a career and technical education program at Questar III will split his or her day between Coxsackie-Athens High School and Questar III. Some students may be able to complete various integrated courses at Questar III. These courses can be used to fulfill graduation requirements. See your school counselor for a full list of integrated credits and how your choice of program meets with current graduation requirements. **Some students will require a fifth year of high school in order to complete all graduation requirements and a two-year career and technical program.** Below is a list of current Questar III programs.

## **Business**

- Academy for Information Technology (AIT) 1 and 2
- Business Information Systems 1 & 2

## **Engineering/Technology**

- Automotive Technologies 1 & 2
- Aviation 1 & 2
- Collision Technology 1 & 2
- Construction Technologies 1 & 2
- Engineering Science 1 & 2
- Heating, Ventilation, Air Conditioning and Refrigeration (HVAC/R) 1 & 2
- Mechanical Technology
- Welding/Metal Fabrication

## **Health Services**

- Certified Nurse Assistant (CNA)
- Licensed Practical Nursing (LPN) 1 & 2

## **Human and Public Services**

- Cosmetology 1 & 2
- Criminal Justice 1 & 2
- Culinary Arts 1 & 2
- Early Childhood Education 1 & 2

# QUESTAR III (continued)

## **Career Studies**

These programs are available for students with disabilities. “Students are placed in programs according to their individual academic capabilities and social/behavioral needs.” (Questar III 2007-2008 Course Catalog)  
Programs that are available to our students are listed below.

- Automotive Services
- Building Trades
- Career Exploration
- Child Care Studies
- Food & Nutrition
- Introduction to Employment
- Introduction to Food Services

## **New Visions**

These programs are designed for college-bound seniors who are in the top 20% of their class. Questar III offers the New Visions programs to challenge and enlighten highly motivated seniors who have decided on their future career field. Below is a list of current New Visions programs.

- Math, Engineering, Technology and Science (METS) located at Rensselaer Polytechnic Institute
- Medicine and Allied Health located at Columbia Memorial Hospital
- Scientific Research and World Health located at SUNY Albany East Campus
- Visual and Performing Arts located at the Arts Center of the Capital Region in Troy

\* The Questar III 2007-2008 Course Catalog can be obtained in the high school Counseling Office. All students are encouraged to speak with parents, teachers and school counselor if he or she is interested in supplementing his or her high school career with a career and technical program.

# ART

**Studio in Art** Grades 9-12 **1 Unit**  
Studio Art is an introductory course strongly recommended as the student's first experience at the high school, and required if it is to be used as the arts graduation requirement. For art as a major sequence, however, it is the required first course. \* Work is done with a great variety of materials in two and three dimensions: drawing, painting, printmaking, sculpture, ceramics, etc. Processes, techniques, and fundamentals of design will be learned largely through a student's involvement in the execution of various projects.\*Upper level students who have taken another course, drawing for design and production, or music, to attain their arts credit, may, with teacher approval take one of the other art courses

**Drawing and Painting** Grades 10-12 **1 Unit**  
**Prerequisite: Studio Art**  
The Drawing and Painting class concentrates on developing skills which involve coordination between hand, eye, and brain. The student will learn correct proportion, composition, and spatial location. In addition intuition will be developed as a means of making accurate visual judgments and choices. The student will also explore a wide range of materials while utilizing the art elements and design principles to express their ideas, visions, and emotions.

**Sculpture** Grades 10-12 **1 Unit**  
**Prerequisite: Studio Art required and Ceramics preferred**  
Sculpture is a course in three dimensional design constructed to offer both aesthetics and technical exploration of media. Students will be involved in a series of projects to become familiar with basic sculptural work. As the course develops, students will be encouraged to produce major sculptural pieces using techniques such as construction (welding and soldering), clay modeling and casting, carving, building on an armature, etc.

**Computer Graphic Arts** Grades 11-12 **½ Unit**  
**Prerequisite: Studio Art or Drawing for Design for Production**  
**Drawing and Painting preferred**  
Computer Graphic Arts is a course designed to teach ways to create art using the computer as a tool. Industry standard software will be used to produce artworks similar to those used in the commercial art world and for purely aesthetic reasons. CD covers, movie posters, business items, are some of the major projects. Due to licensing and space constraints classes will be limited to 12 students.

**Ceramics** Grades 10-12 **½ Unit**  
**Prerequisite: Studio Art**  
In Ceramics students will learn to work with clay. Basic hand building techniques such as pinch, coil and slab, will be learned to make useful objects. This course will prepare the student for throwing on the wheel. In addition to forming methods, glazing and firing will be taught.

**Illustration** Grades 10-12 **½ Unit**  
**Prerequisite: Studio Art**  
The Illustration course is designed to apply a wide range of visual techniques and materials to actual projects similar to those done by commercial artists. Design projects will include book illustrations advertisements for real and imaginary projects, "technical" illustrations, and posters (movies/playbills for example). In addition basic lettering, design and composition, and skills employed by commercial artists will be explored.

**Photography** Grades 11-12 (semester 1 course) **½ Unit**  
Photography offers students an opportunity to learn to use a camera, to develop film, and make finished prints from film. The student will learn what makes a good photograph, composition, and other skills necessary in black and white photography.

**Advanced Photography**

Grades 11-12 (semester 2 course)

**½ Unit****Prerequisite: Photography**

Students will apply and expand upon basic camera and darkroom skills. Basic special effects techniques and computer aided image manipulation will also be explored.

**Advanced Art (pre Advanced Placement)**

Grades 11-12

**1 Unit****Prerequisite: 2 Art Credits and Teacher recommendation**

Advanced Art is designed for the student who is seriously interested in the practice of art. A breadth of artistic experiences will be offered. The course follows Advanced Placement Guidelines and requires a concern for quality work and concentration on a particular mode of working, thinking, and stating. It is basically the first year prep for the intensive 24 piece AP portfolio.

**Advanced Placement Studio Art**

Grades 11-12

**1 Unit****Prerequisite: Advanced Art strongly recommended**

This course is designed to be held concurrently with Advanced Art. The cost of the AP Program is approximately \$82.00. Students who wish to earn AP credit must have a B+ average in Art and recommendation from the teacher. This course will more than satisfy the rigorous demands for a college entrance portfolio, as well as earn the student potential college credit. A 24 piece portfolio is the AP final for this class. Slide costs are the responsibility of the student.

## **BUSINESS EDUCATION**

**Career Finance**

Grades 9-12

**1 Unit**

The first semester of the course will provide students with the opportunity to learn about the features of the economy, explore a variety of careers, and learn the skills and competencies needed for success in the workplace. They will use these skills to apply for certification for Questar 3 certification through the BEST program. To gain certification the student must qualify in the following areas: attendance, community service, and submit a portfolio, which includes a business or college essay, letter of application and current resume. The second semester will provide students the opportunity to become financially literate. The areas to be covered include types of banking, savings plans, personal budgeting, forms of investments, checkbook reconciliation, types of insurance, taxes, credit and how to manage it, and consumer protection (legislation and agencies).

**Computer Applications**

Grades 9-12

**½ Unit****Prerequisite: Career Finance or Keyboarding**

This is a twenty-week course that develops word processing skills and develops an understanding of the Microsoft Word and Microsoft Access programs. Students will become proficient with basic word processing skills and explore advanced features available through this program. This is a hands on course where prior keyboarding experience is helpful.

**Advanced Computer Applications**

Grades 10-12

**½ Unit****Prerequisite: Computer Applications**

The students will continue on the computers using a variety of advanced computer application programs to enhance their computer knowledge. This twenty-week course will center on the Internet, Desktop Publishing, and Presentation software. The Internet portion will be done on a network program called Webdesign which is a hands-on component to designing a webpage. Microsoft, Power Point (graphical presentation), and Microsoft Publisher applications are also covered.

**Accounting** Grades 11-12 **1 Unit**  
This full year course is designed to develop occupational competencies in bookkeeping. Course content encompasses the complete accounting cycle and provides opportunities for incorporation of computer technology into the instruction. Microsoft Excel is now utilized in this course. In addition, students have exposure to the latest trends in accounting through a partnership with New York State CPA's.

**E-Commerce 1** Grades 10-12 (semester 1 course) **½ Unit**  
This full year course includes 40 interactive lessons taken from Internet sources and a supplementary text of 8 units which introduce hands on activities related to website development. The course is divided into 50% lecture time and 50% hands-on applications which include student tasks and business duties. Students will have exposure to web design, sales and marketing activities, and financial aspects of running a website. A business plan is developed at the beginning of the course and is followed during the year with adjustments made as the course and the website evolve.

**E-Commerce 2** Grades 10-12 (semester 2 course) **½ Unit**  
Students continue with the E-Commerce 1 program. New students can be added second semester and will be considered new employees. Returning students will be assigned to train new students with the E-Commerce components. The business plan is reevaluated and possibly modified at this time.

**Business Law** Grades 11-12 **1 Unit**  
This full year course emphasizes the relationship of Business Law to an individual's personal as well as occupational life. Applications of the laws as they affect the individual are featured. Credit for this course may be used to meet sequence requirements for Business Education and/or a fifth unit of Social Studies.

## **COMPUTER SCIENCE**

**BASIC Computer Programming** Grades 10-12 (semester 1 course) **½ Unit**  
**Prerequisite: Math A2 or Algebra**  
Instruction will be given on an introductory level to computer languages. The class is portfolio based, and permits students to explore their limitations, or lack thereof, in understanding computer programming. The BASIC language class will also include breeding familiarity with other computer programs, a unit on computer graphics, and a unit on computer ethics.

**C++ Computer Programming** Grades 10-12 (semester 2 course) **½ Unit**  
**Prerequisite: BASIC Computer Programming or instructor approval**  
Students will be given rigorous instruction in the elementary levels of the C++ programming language. Each concept will be scrutinized for maximal understanding and application potential. This course will include the development of some Windows-based applications. This course requires the student to develop a good command of higher-order thinking skills with regards to project planning.

**Keyboarding** Grades 9-12 **½ Unit**  
This is a twenty-week course that is centered around the computer and the keyboard. This course is only offered to the upper grade levels and to those students who cannot fit the Introduction to Occupations Course into their schedules. The content is the same as the twenty weeks of computers in the previously mentioned course. This course meets the computer graduation requirement.

**Webpage Design I** Grades 10-12 (semester 1 course) **½ Unit**  
Students taking this course will familiarize themselves with various processes of designing a webpage. The instruction will focus on the behind-the-scenes workings of HTML and CSS (that is, the content and style of webpages). Ultimately, students will develop an ability to evaluate the quality of source codes and related resources in order to keep up with the ever-changing landscape of web technology.

**Webpage Design II** Grades 10-12 (semester 2 course) **½ Unit**  
**Prerequisite: Webpage Design I or instructor approval**

A continuation of Webpage Design I, and an introduction to dynamic HTML and scripting. Students will be responsible for developing their own project that focuses on any of the following: advanced webpage stylization, advanced web scripting, database processing, thematic website development, simple game design, or the like.

**Yearbook** Grades 9-12 **1 Unit**  
You will be involved in layout, editing, article writing, and more. The final project of the class will be the completed yearbook in June.

## **ENGLISH**

### **Honors English Program**

**English 9 Honors** **1 Unit**

**English 10 Honors** **1 Unit**

**English 11 Honors** **1 Unit**

Honors English is designed to challenge students who are highly motivated and academically capable by providing enriched opportunities for growth in language studies and analytical thinking skills. The program begins in Seventh grade and culminates in Advanced Placement English. The honors program offers enriched critical thinking, reading, and writing opportunities designed to prepare students for success in Advanced Placement English and to provide enhanced preparation for college. Students must qualify academically (maintain a 90 or higher average in an R1 class) and be recommended by his or her English teacher to be accepted into the honors program. To remain in the honors program students should maintain an 85 or higher average.

**English 9R1** Grade 9 **1 Unit**  
English 9R1 includes the study of literature, vocabulary, and writing. The emphasis of the course will be on literature with a general survey of major works and authors and an explanation of literary terms and devices. To begin to lay a foundation for the Comprehensive English Regents exam and the SAT at least 200 SAT vocabulary words will be covered. In addition, writing improvement with related lessons in sentence structure, punctuation, and grammar will be stressed. Formal book reports and a research paper will be required.

**English 9R2** Grade 9 **1 Unit**  
English 9R2 is essentially the same curriculum used in English 9 (R1) but with more focus on the basic skills necessary to pass the Comprehensive English Regents Exam which is now required for Local and Regents Diplomas. Formal book reports and a research paper will be required.

**English 10 R1** Grade 10 **1 Unit**

**Prerequisite: English 9**

English 10R1 emphasizes vocabulary, literature, and writing. Word families, confused words, and etymology will be emphasized, and 200-250 new SAT words will be introduced. Students will begin to cultivate a critical approach to literary works and an extensive poetry project and short story project will be required. Formal book reports and a research paper will be required.

**English 10R2** Grade 10 **1 Unit**

**Prerequisite: English 9**

English 10R2 is essentially the same curriculum used in English 10 (R1) but with more focus on the basic skills necessary to pass the Comprehensive English Regents Exam which is now required for Local and Regents Diplomas. Formal book reports and a research paper will be required.

**English 11R1** Grade 11 **1 Unit**

**Prerequisite: English 10**

English 11R1 is a survey of American literature and provides preparation for the Regents Comprehensive Exam. A great deal of time will be devoted to vocabulary and SAT preparation. Classes will be given a formal survey of American literature from Puritan beginnings to the 20th century. *Macbeth* will be the only work presented that is not from American Literature. Specific writing projects will include a research paper; expository, narrative, descriptive, and persuasive writing; journals and poetry. Oral projects such as debates will be required. Formal book reports will be required. At the midyear point of this course students will take the English Language Arts (ELA) Regents Examination.

**English 11R2** Grade 11 **1 Unit**

**Prerequisite: Grade 10**

English 11R2 is essentially the same curriculum used in English 11 (R1) but with more focus on the basic skills necessary to pass the Comprehensive English Language Arts (ELA) Regents Exam. Formal book reports and a research paper will be required.

**English 12R1** Grade 12 **1 Unit**

**Prerequisite: English 11**

English 12R1 is designed to prepare students for college level reading and writing. The literary focus is the major works of British literature along with challenging contemporary works. The selections vary from year to year. Students will employ a variety of critical models to interpret and respond to the readings. Writing for clarity and precision in Standard English is emphasized. A minimum of four book reports and a research paper are required.

**English 12R2** Grade 12 **1 Unit**

**Prerequisite: English 11**

English 12R2 emphasizes practical communication skills along with exploring works of literature. A minimum of four book reports and a research paper are required.

**Advanced Placement English** Grade 12 **1 Unit**

**Prerequisites: English 11 HONORS, 85+ average in Honors English, 85+ on the ELA Regents Exam, teacher recommendation and instructor approval**

Advanced Placement Literature and Composition is a college-level course designed to develop a student's abilities as a reader and writer especially as a critic of literature. Readings include short stories, drama, novels, and poetry with an emphasis on works originally written in English. Students will write critical/analytical essays, college-application essays, a research paper, and reports on six works read independently. Students are expected to participate in class discussion to test and develop their thinking about works of literature. Students are required to take the AP Exam in May. The cost of the exam is approximately \$82.00.

# FOREIGN LANGUAGE

**French 1** Grades 9-12 **1 Unit**

**Prerequisite: Conversational French 8**

In this course students continue to develop fundamental skills in listening, reading, writing, and speaking French with an authentic accent. Emphasis is placed on practical vocabulary and basic grammatical structures. Successful completion of this course fulfills the NYS requirement for all students to have earned 1 high school credit in a foreign language.

**French 2** Grades 9-12 **1 Unit**

**Prerequisite: French 1**

Students continue to develop the skills of listening, speaking, reading, and writing. New vocabulary and grammatical structures are presented. Practice is provided through oral and written exercises. More activities are conducted entirely in French to stress the communicative objective. Supplemental materials are used to develop reading comprehension. Students will become more aware of French culture.

**French 3** Grades 11-12 **1 Unit**

**Prerequisite: French 2**

Students continue to develop listening and reading comprehension skills through oral and written material. Development of an active vocabulary is emphasized, as students are given greater opportunity to express individual thoughts, reactions, and opinions. Students will become familiar with most verb tenses and more complicated sentence structure. At the end of this course students will take the NYS Regents Comprehensive Examination in French to fulfill the language requirement toward earning an Advanced Regents Diploma.

**French 4** Grades 11-12 **1 Unit**

**Prerequisite: French 3**

Mastery of vocabulary and structure of the language continues in French 4 with special emphasis on the history of France. Students will be introduced to important works in French literature. Additional emphasis is placed on vocabulary building, advanced grammatical structures, and personal expression both oral and written. Students may elect to apply for four (4) hours of college credit from SUNY Albany. If students want college credit from SUNY Albany they need to pay a fee of approximately \$120.00.

**French 5** Grade 12 **1 Unit**

**Prerequisite: French 4**

Students will further develop their communication and written skills in French through the use of a historical text and French cinema. Important works in French literature will be studied with a continued emphasis on vocabulary building and advanced grammatical structure. Students may elect to apply for four (4) hours of college credit from SUNY Albany. Students wanting college credit from UAlbany need to pay a fee of \$120.00.

**Spanish 1** Grades 9-12 **1 Unit**

**Prerequisite: Conversational Spanish 8**

In this course students continue to develop fundamental skills in listening, reading, writing, and speaking Spanish with an authentic accent. Emphasis is placed on practical vocabulary and basic grammatical structures. Successful completion of this course fulfills the N.Y.S. requirement for all students to have earned 1 credit in a foreign language.

**Spanish 2** Grades 9-12 **1 Unit**

**Prerequisite: Spanish 1**

Students continue to develop the skills of listening, reading, writing, and speaking Spanish. New vocabulary and grammatical structures are presented orally and further practice in their use is received through oral and written exercises and activities. More activities are conducted entirely in Spanish and additional materials are used to develop reading and understanding. Students will become more aware of Spanish culture.

**Spanish 3** Grades 10-12 **1 Unit**

**Prerequisite: Spanish 2**

Students continue to develop listening and reading comprehension skills through oral and written material. Development of an active vocabulary is emphasized, as students are given greater opportunity to express individual thoughts, reactions, and opinions. Students will become familiar with most verb tenses and more complicated sentence structure. At the end of this course students will take the N.Y.S. Regents Comprehensive Exam in Spanish to fulfill the language requirement toward earning an Advanced Regents Diploma.

**Spanish 4** Grades 11-12 **1 Unit**

**Prerequisite: Spanish 3**

Mastery of vocabulary and structure of the language continues in Spanish 4. Emphasis is placed on practical vocabulary and personal expression (both oral and written). The students will be introduced to passages from Hispanic literature. Students may elect to apply for four (4) hours of college credit from SUNY Albany. If students want college credit from SUNY Albany they need to pay a fee of approximately \$120.00.

**Spanish 5** Grade 12 **1 Unit**

**Prerequisite: Spanish 4**

Students will further develop their communication skills using authentic materials and literary selections. Individual and group projects, both oral and written, will be developed throughout the year. Students may elect to apply for four (4) hours of college credit from SUNY Albany. If students want college credit from SUNY Albany they need to pay a fee of approximately \$120.00.

**German 1 (Independent Study)** **½ Unit**

**German 2 (Independent Study)** **½ Unit**

**Prerequisite: Spanish 2 or French 2 and teacher recommendation**

The Independent Study German Course is offered for the advanced foreign language student. This course does not meet the graduation requirement for foreign language. In addition, your current foreign language teacher must agree that you can handle the additional language study of German. Students who take this course need to be capable of the extra work load associated with an independent study class.

## **HOME & CAREERS**

**Foods & Nutrition** Grades 9-12 **½ Unit**

The course will teach students the basics of food preparation. The students will plan, prepare, serve, and evaluate a wide variety of foods. They will also learn how good nutritional practices promote long-term wellness. This course is for both males and females.

**Regional and International Foods** Grades 9-12 **½ Unit**

In this course students will learn about and prepare foods from different regions of our country: New England and Tex Mex food. The second half of this course will explore foods from the major countries of the world. Taking Food and Nutrition will help students prepare for this course, but it is not necessary. Males and females interested in food preparation are welcome.

**Entrepreneurship** Grades 9-12 **½ Unit**  
This course provides an opportunity for students to analyze themselves in relation to an entrepreneurial career, develop a business plan, and conduct an in-school business.

**Child Psychology** Grades 9-12 **½ Unit**  
Child Psychology is a one-semester course open to all students. This course will help students explore the many areas of child development. Students will learn about the progressive development of the child and how well-known psychological theories relate to this development.

## MATHEMATICS

**Consumer Mathematics** Grades 10-12 **1 Unit**  
This course is designed to further vocational preparation for a business position and to meet the personal and consumer needs of students. Topics include mathematics related to personal financial management, business operations, office applications, and banking. A local examination will be given at the conclusion of this course. A four-function calculator is required for this course.

**Algebra 1** Grade 9 **1 Unit**  
**Prerequisite: Math 8**  
The curriculum of this course continues topics introduced in grade 8 and prepares students for the Algebra Regents exam in June. Topics include, mathematical systems, transformational geometry, coordinate geometry, including parabolic graphs, and locus of points. The Algebra Regents exam will be administered at the end of this course. This Regents is required for graduation. A graphing calculator is required for this course.

**Algebra 1A** Grade 9 **1 Unit**  
**Prerequisite: Math 8**  
This is the first year of a two-year program. It is similar to the curriculum developed in grade 8 and in Algebra 1. The Algebra Regents exam will be administered at the end of the second year. The Algebra Regents is required for graduation. The final exam for this course is a local exam. A graphing calculator is required.

**Algebra 1B** Grade 10 **1 Unit**  
**Prerequisite: Algebra 1A**  
This is the second year of a two-year program designed to prepare students for the Integrated Algebra Regents exam in June. Topics are continued from Algebra 1A which include parabolic graphs, Transformational Geometry to name a few. The Integrated Algebra Regents is required for graduation. A graphing calculator is required for this course.

**Math B2** Grade 11 **1 Unit**  
**Prerequisite: Math B1**  
This is the second year of a two-year Mathematics B curriculum, which culminates with the New York State Mathematic B Regents exam. Topics include formal and informal proofs, Trigonometry, imaginary numbers and more. A graphing calculator is required for this course.

**Math B2H** Grade 10 **1 Unit**  
**Prerequisite: Math B1H**  
This course is the second year of an accelerated math program, which students began, in 8<sup>th</sup> grade. Topics from the New York State Mathematics B curriculum are covered and extended to prepare students for the NYS Mathematics B Regents in June. A graphing calculator is required for this course.

**GeometryH** Grade 9 **1 Unit**

**Prerequisite: Algebra 1 (grade 8) and passing the Integrated Algebra Regents Exam)**

This course is designed for the Accelerated student who is working towards an Advanced Regents diploma. Topics include perpendicularity, parallelism, solid, coordinate, and transformational geometry, as well as informal and formal proofs. The NYS Geometry Regents exam is given in June. A graphing calculator is required for this course.

**Geometry** Grade 10 **1 Unit**

**Prerequisite: Algebra 1 and passing the Integrated Algebra Regents Exam**

This course is designed to prepare students for the NYS Geometry Regents given in June. Topics include perpendicularity, parallelism, solid, coordinate, and transformational geometry, as well as informal and formal proofs. A graphing calculator is required for this course.

**Topics in Geometry** Grade 10, 11, or 12 **1 Unit**

**Prerequisite: Algebra 1 and passing the Integrated Algebra Regents Exam, Applied Math A3 and passing the Mathematics A Regents Exam, Applied Math B1**

This is a non-regents course designed to expose students to various topics in Geometry including transformations, constructions, circles, logic, and locus. A local final exam is given at the conclusion. A graphing calculator is required for this course.

**Precalculus** Grades 11-12 **1 Unit**

**Prerequisite: Math B2 and passing the Math B Exam**

Advanced algebra in this course will extend algebraic concepts of Course 3 to complex numbers, relations and functions, and circular functions. New topics include theorems used in solving higher degree equations and polar coordinates. Focus will be on techniques of algebra necessary to be successful in 5th year AP Calculus. Also time will be devoted to extended work with limits, theories, and techniques of differentiation. Emphasis will be on application to graphing functions, maximum and minimum problems (physics and economics), and related rate problems. A local exam will be given at the conclusion of the course. A graphing calculator is required for this course.

**Advanced Placement Calculus** Grade 12 **1 Unit**

**Prerequisite: Math 12A and Math 12B, 85+ average in Math and teacher recommendation**

Enrollment in this course is restricted to students who have completed Math 12A and Math 12B, have maintained an 85 average for four years of High School Mathematics, and have received a recommendation from the teacher. Topics covered in this course will deal with differential and integral calculus. They are designed to meet the requirements of the AP Calculus exam. Students are required to take the AP Exam in May. The cost of the exam is approximately \$85.00. A graphing calculator is required for this course.

**Math Finance** Grade 12 **1 Unit**

**Prerequisite: Math A, Passing Math A Regents Exam and teacher recommendation**

This course is a *specialized* interdisciplinary business course related to the mathematics learning standards. The course is designed to prepare students for both college level business programs and to understand the complex financial world they will encounter during their lives. As outlined in commissioner's regulations 100.5 (a) (7) (iv), for students who have successfully passed the required Math A Regents examination and upon local educational agency approval, a *specialized course* may be used to fulfill one of the three units of mathematics required for the Regents diploma.

The following topics are covered: Payroll, Interest, Creating Formulas, Budgeting/Depreciation, Loans/Banking, Annuities, Credit, Investments, Financial State Analysis, US Currency vs. Foreign Currency.

# MUSIC

**Music Theory 1** Grades 9-12 **1 Unit**  
Students learn the rudiments of music theory and ear training. This class is suggested for students with very little musical knowledge and background. Open to all students.

**Music Theory 2** Grades 10-12 **1 Unit**  
**Prerequisite: Music Theory 1**  
Students learn advanced music theory, begin music harmony and analysis, and ear training. This class is suggested for students with a good grasp of musical knowledge and background.

**Music Theory 3** Grades 11-12 **1 Unit**  
**Prerequisite: Music Theory 2**  
Students learn how to analyze and create music from the four musical periods: baroque, classical, romantic and 20<sup>th</sup> century. Students continue ear training.

**Advanced Placement Music Theory** Grades 11-12 **1 Unit**  
**Prerequisite: Music Theory and teacher recommendation**  
College level music theory where students may receive college credit for the class. Recommended for students interested in pursuing a degree in music or music minor in college. The cost of the exam is approximately \$82.00.

**High School Band** Grades 9-12 (Meets Daily) **1 Unit**  
**High School Band** Grades 9-12 (Opposite Choir) **½ Unit**  
A course in which the elements and structure of Music are presented through the study, rehearsal, and performance of representative musical literature of varying styles and from different historical periods. A minimum of four public concerts will be performed during the school year, at which student participation is mandatory. Students will also be scheduled for one small group instrument lesson weekly, which will rotate periods. Admission is open to instrumental students with at least three years of prior experience.

**High School Chorus** Grades 9-12 (Meets Daily) **1 Unit**  
**High School Chorus** Grades 9-12 (Opposite Band) **½ Unit**  
A course in which the elements and structure of Music are presented through the study, rehearsal, and performance of representative musical literature of varying styles and from different historical periods. Admission is open to all students. A minimum of 4 public concerts will be performed during the school year, at which student participation is mandatory.

# PHYSICAL EDUCATION

**Physical Education** Grades 9-12 **½ Unit**

Physical Education contributes to the goals of education through the development of personal living skills and skills that contribute to an individual becoming a fully functioning, productive, and concerned citizen. These are reflected in the manner and degree of an individual's participation in lifelong activities. These skills include:

Developing physical fitness (cardiovascular and muscular)	Developing initiative
Fostering communication	Encouraging leadership
Promoting cooperation	Developing trust
Seeking challenges	Promoting respect
Encouraging safety	Developing self-worth

Students will acquire these skills through an annually-mandated course in Physical Education. Students will be expected to be appropriately attired and to actively participate in all phases of a Physical Education class: strength and conditioning exercises, skill practice, and game participation. A broad range of activities will be offered throughout each year's program. These activities include:

**Fall** - Soccer, Jogging, Flag Football, Lacrosse, Tennis, and Field Hockey

**Winter** - Volleyball, Basketball, European Handball, Weight Training, Badminton, Ping Pong, Shuffleboard, and Aerobic Dance

**Spring** - Softball, Golf, Track, and Tennis

**Health** Grade 10-12 (Semester 1 - everyday course) **½ Unit**

**Health** Grade 10-12 (Semester 2 - everyday course) **½ Unit**

**Health** Grade 10-12 (All-Year course opposite PE) **½ Unit**

This course will concentrate on the mental, physical, emotional and social phases of life. The areas covered in the course include: health and the mind; personal health care; the life cycle; the role of drugs and diseases on health and society; and fitness for life will be dealt with in detail.

# SCIENCE

**The Physical Setting: Earth Science R1** Grade 9 **1 Unit**

Concepts emphasized in the course include the structure of the Earth, the dynamic nature of its crust, formation of rocks and minerals, interpreting geologic history, and understanding weather. Students will be required to analyze and interpret data to help explain observations. Students must successfully complete laboratory work and take a laboratory performance test as part of their Regents exam.

**General Earth Science** Grade 9 **1 Unit**

General Earth Science is a school level course which covers the same topics as Physical Setting: Earth Science (R1), but in less scope and detail. There is no laboratory requirement for this course and a local exam will be given in June. More time will be spent on basic Earth Science concepts with less focus on mathematical applications. Entering high school students having difficulty with science skills and concepts should select General Earth Science.

**Contemporary Topics in Science** Grade 9-12 **1 Unit**

Course will examine current applications of scientific knowledge in our society. Students will explore some of the ethical, moral and social problems that either stem from technology or can be solved by technology. Topics include: use of forensics in criminal investigations, stem cell research, cloning, global warming, the energy crisis and energy alternatives, global health issues, addiction, and science careers. Students will be required to show mastery of each topic and take positions through discussion, written work or structured debate.

**Science Research Course (3-Year Program)**                      Grades 10-12                      **1 Unit Per Year**  
The Science Research Course is designed to provide students with an understanding of research methodology in the natural and social sciences. The course is directed to those students who wish to pursue excellence and progress into advanced areas of original research. Emphasis is on both laboratory and bibliographic research. Students are taught the process of online bibliographic researching and are able to access the scientific databases in DIALOG Information Services, Inc. Group seminars and individual consultations with doctoral level university scholars and independent researchers are arranged. Student commitment to long-term (3 years) focused research, demonstrating initiative, perseverance, and creativity is developed and fostered. A fee of approximately \$100 is required from students each year.

**Living Environment/Biology R1**    Grades 9-12    **1 Unit**  
The Living Environment (LE)/Biology R1 centers around seven areas: cells and biochemistry, maintenance in animals, maintenance in plants, reproduction and development, transmission of traits from generation to generation (genetics), evolution and diversity, and plants and animals in their environment (ecology). Enrichment will be accomplished by intensive study in areas of biochemistry, human physiology, human reproduction, modern developments in genetics, and modern ideas in evolution and ecology. Students will be required to complete at least thirty hours of laboratory work and submit acceptably written reports. A Regents examination will be administered at the end of this course.

**Living Environment/Biology 1A**    Grades 9-12    **1 Unit**  
The Living Environment (LE)/Biology 1A is the first year of a two-year program. It is essentially the same curriculum as the LE/Biology R1 one-year course only we will complete the curriculum in a two-year time frame. A local exam will be given at the end of LE/Biology 1A.

**Living Environment/Biology 1B**    Grades 10-12    **1 Unit**  
**Prerequisite: Living Environment/Biology 1A**  
The Living Environment (LE)/Biology 1B is the second half of the LE/Biology 1A course and will culminate with the LE/Biology Regents Exam. During both the LE/Biology 1A and 1B courses labs will be done to satisfy the state requirement of 30 written labs.

**Environmental Science**    Grades 10-12    **1 Unit**  
**Prerequisite: LE/Biology and PS/Chemistry (May be taken concurrently)**  
This course will integrate field studies, technology, and public speaking throughout the year. Students will be required to apply the scientific method regularly and collect data from various sites (during and after school). Students will investigate various issues regarding the Hudson River and network with students at other schools via the Internet. Students will present their findings to classmates and the community as often as possible, using the best available technology. Emphasis will be placed on the biological and chemical aspects of the Hudson River; therefore, successful completion of a Regents credit in Biology is required, and students must also be enrolled in Chemistry R1 if they have not completed the course already.

**The Physical Setting: Chemistry R1**    Grades 10-12    **1 Unit**  
**Prerequisite: Two (2) Regents Science Courses, Math A2 or Algebra and Math B1 or Geometry**  
Regents Chemistry is designed for students who anticipate attending a four-year college. Ten major areas will be presented: matter and energy, atomic structure, bonding, the periodic table, mathematics of Chemistry, kinetics and equilibrium, acid-base theories, redox and electrochemistry, organic chemistry, and applications of chemical principles. At least thirty written laboratory exercises will be submitted in acceptable form. A Regents exam will be given in June.

**General Chemistry**

Grades 11-12

**1 Unit****Prerequisite: PS/Earth Science or LE/Biology**

General Chemistry is intended to help students attain an appreciation for the chemical changes which occur in one's life. Some of the same topics offered in Regents Chemistry will be reviewed in this course but with fewer mathematical calculations. Students will also participate in laboratory exercises. A local exam will be administered in June.

**Physical Setting: Physics R1**

Grades 11-12

**1 Unit****Prerequisite: Two (2) Regents level (R1) science courses and Math B1 or Geometry and Math B2 or Trigonometry**

The Physical Setting: Physics R1 curriculum includes the following topics: mechanics, energy, electricity, and magnetism, waves, and modern physics. The curriculum will provide students with a broad background in the content and methods of physics. Based on Standards 1, 2, 6, and 7 of the New York State Standards for Math, Science, and Technology the Physical Setting: Physics R1 core curriculum is a student-centered, problem-solving approach to physics. Students develop process skills that will provide the background and curiosity to investigate important issues in the world around them. Laboratory exercises are an integral part of the course and students must submit acceptable written reports on the required number of lab activities. A New York State Regents Exam will be administered.

**General Physics**

Grades 11-12

**1 Unit****Prerequisite: Two years of science and completion of Applied Math A2**

This course is designed for students who want to explore their physical environment with a minimum of mathematics. Motion, forces, energy, waves, electricity, magnetism, and the atom will be studied. The learning will be flexible and related to the experiences of the student. Laboratory experiences will accompany class activities. A local exam will be given in June.

**Advanced Placement Biology**

Grades 11-12

**1 Unit****Prerequisite: LE/Biology and PS/Chemistry, 85+ average in science and recommendation from the Teacher**

Advanced Placement Biology is designed to challenge the abilities and enrich the experiences of strong Science students. Emphasis will be on major areas such as molecular and cellular biology, structure and functions of organisms, energy transformation (photosynthesis and respiration), diversity among living things (classification), reproduction and development, and an extensive treatment of genetics and heredity (probability). Since Chemistry concepts will be incorporated into this course, successful completion of Regents Chemistry is required before students take this course. Laboratory experiences stressing individual and group projects will require written lab reports. Students are required to take the AP exam in May. The cost of the exam is approximately \$82.00.

**Principles of Engineering**

Grades 11-12

**1 Unit****Prerequisite: Two (2) Regents Science Courses (R1), Math A2 or Algebra and Math B1 or Geometry**

This course has been developed to stimulate interest in and access to careers and courses in engineering and technology. It is intended for academically able 11th and 12th grade students. It will be taught in a laboratory setting with access to tools and materials for individual, small group, and large group projects. Tools include hand tools for wood, metal, and simple chemical projects as well as computers for design, problem solving as laboratory devices, and for control devices.

# SOCIAL STUDIES

**Global History and Geography 1 (R1)**                      Grade 9                      **1 Unit**  
Global History and Geography 1 (R1) is a course designed to involve students in the study of world history. Beginning with prehistory, the period of time before man invented writing systems, students will explore topics ranging from the Egyptian Pyramids to the Mayan temples; the Chinese dynastic system to European feudalism; the African trading kingdoms to the Maurya and Gupta empires of India. The year's journey through history will end just prior to the tumultuous period of the Age of Revolutions. This course is the first part in a two-year sequence in the study of world history and geography.

**Global History and Geography 1 (R2)**                      Grade 9                      **1 Unit**  
Global History and Geography 1 (R2) is essentially the same curriculum used in Global History and Geography 1 (R1) but with more focus on the basic skills necessary to pass the Global History Regents Exam which students take at the conclusion of Global History and Geography 2.

**Global History and Geography 2 (R1)**                      Grade 10                      **1 Unit**  
**Prerequisite: Global History and Geography 1**  
Global History and Geography 2(R1) is a continuation of the curriculum started in Global History and Geography 1. Global History and Geography 2 (R1) covers the period of history from 1750, "The Age of Revolutions," through the present day. Since the '99-'00 school year, the tenth grade course has been taught differently from previous years. The current Global History and Geography course uses a chronological approach to the study of human developmental history.

**Global History and Geography 2 (R2)**                      Grade 10                      **1 Unit**  
**Prerequisite: Global History and Geography 1**  
Global History and Geography 2 (R2) is essentially the same curriculum used in Global History and Geography 2 (R1) but with more focus on the basic skills necessary to pass the Global History Regents Exam which students take at the conclusion of this course.

**U.S. History and Government (R1)**                      Grade 11                      **1 Unit**  
**Prerequisite: Global History and Geography 2**  
This course will include a chronological survey of United States history in general, but the emphasis will be on the United States as a developing and as a fully developed industrial nation. Constitutional and legal issues will be explored in depth, as will be the problems of a dynamic and industrial society in an increasingly complex and technology-oriented world. At the conclusion of this course students will take the Regents exam in U.S. History and Government.

**U.S. History and Government (R2)**                      Grade 11                      **1 Unit**  
**Prerequisite: Global History and Geography 2**  
U.S. History and Government (R2) is essentially the same curriculum used in U.S. History and Government (R1) but with more focus on the basic skills necessary to pass the U.S. History and Government Regents Exam which students take at the conclusion of this course.

**Economics**    Grade 12                      **½ Unit**  
**Prerequisite: U.S. History and Government**  
This state mandated Economics course is designed to emphasize economics and economic-decision-making. It will include basic economic concepts that will serve to help students understand how to function effectively and intelligently as citizens and participants of the economy of the United States. The course will highlight a rational decision-making process which can be applied to all economic decisions. A local exam is given at the conclusion of the semester.

**Participation in Government**

Grade 12

**½ Unit****Prerequisite: U.S. History and Government**

The Participation in American Government course emphasizes the interaction between citizens and government at all levels: local, state, and federal. Students will be encouraged to understand and participate in the democratic process through the use of projects and speakers. A local exam is given at the conclusion of the course.

**Advanced Placement European History**

Grades 10-12

**1 Unit****Prerequisite: Global Studies 1, 85+ average in Global Studies 1 and teacher recommendation**

This course is a survey of Western Civilization beginning with the Renaissance and Reformation. Topics covered in this course will include: the era of religious and dynastic warfare, the Age of Absolutism, the French Revolution, Napoleon, the Age of Metternich, the unification of Italy and Germany, the Industrial Revolution, Prelude to World War I, and the events following World War I including totalitarian governments of the 20th century. Students are required to take the AP Exam in May. The cost of the exam is approximately \$82.00. This course can be substituted for the Global Studies 2 course in tenth grade, if they qualify. Students who take this course in lieu of Global Studies 2 will still need to take and pass the Regents Exam in Global Studies in June.

**Advanced Placement United States History**

Grades 11-12

**1 Unit****Prerequisite: Global History Regents Score of 85 or higher, 85+ average in Global Studies 2 and teacher Recommendation**

This AP course is a survey of United States History from pre-colonial times through the present. It is the equivalent of a full year introductory college course that involves extensive reading and writing. There is also a comprehensive mid-term in January. Self-motivation, participation, organization, and time-management skills, as well as a strong interest in American History, are key ingredients to the successful AP History student. Students are required to take the AP Exam in May. The cost of the exam is approximately \$82.00. All students must also take and pass the June NYS Regents in U.S. History and Government.

## **TECHNOLOGY**

**Design and Drawing for Production**

Grades 9-12

**1 Unit**

This course is a study of basic concepts and principles of Technical Drawing: projection, size description, basic techniques and tools, and pictorial representation. This course is also a study of design and drafting related to building construction. Topics include culture and history, tools and techniques, lettering, aesthetics, site plan, area/room planning, floor plan, dimensioning, sections/framing, exterior elevations, perspectives, and careers. Note: Design and Drawing for Production can be used to meet the Art/Music graduation requirement.

**Computer Aided Design (CAD)**

Grades 10-12

**½ Unit****Prerequisite: Design and Drawing for Production Drawing**

Students will be performing drawing tasks using a computer with several different design programs. Students will become more familiar with Windows, common computer terms, and many different drawing techniques. The course will conclude with a major drawing project that may include three-dimensional development. Students planning a career in fine arts, engineering, computer science or architecture should consider this class.

**Electricity and Electronics**

Grades 9-12

**½ Unit**

This class will familiarize the student with electrical technologies and an awareness of electrical devices and systems. Circuits and electrical laws will be discussed and tested through experiments and projects produced in class.

**Home and Auto**

Grades 9-12

**½ Unit**

Statistics show that in your lifetime you will own 3 homes and 15 automobiles. This class is designed to help you prepare yourself for this reality. The course will be broken down into 2 ten-week sections concentrating on the sub-system of each. Examples of topics covered for the auto section are mechanical, electrical, breaking, and cooling systems. Examples of topics covered for the home section are plumbing, electrical, heating, and cooling systems and basic maintenance.

**Residential Structures**

Grades 9-12

**½ Unit**

Most people in today's society will own an average of three different homes in their lifetime. Self-maintenance of your home can save a considerable amount of money and add value to your home.

**Woodworking**

Grades 9-12

**½ Unit**

The purpose of the course is to provide each student with the instruction needed to enter the fields of construction. With the rising cost of labor and the statistical fact of owning several homes in our future it's a good idea to have the knowledge of being able to work with your hands safely and productively or if for nothing else, the knowledge of what you are hiring someone else to do. Knowledge and information about wood materials including size and grade description and also basic technical information that covers physical properties. All hand and power tools available will be discussed and used on practical projects.

\*\*Not all classes are offered every year. Check with your School Counselor to see what classes are available.