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INTRODUCTION

This Course Selection Guide lists and describes all of the courses available to Manchester-Shortsville School District student's grades 9-12 for the 2009-2010 school year. **All the projected course offerings may be subject to a minimum enrollment.** The district has implemented a weighted grade system for selected classes. Gemini and Honors courses will be weighted at 1.025. AP courses will be weighted at 1.05. We believe the selection of courses is an important process that should involve both parents and students. The staff is always willing to assist you in making the appropriate choices. Please use the guide along with the assistance of your guidance counselor and teachers to plan your high school program.

We urge you to examine this guide thoroughly. A description of course offerings listed by department, the credit earned and prerequisites (if any) can be found in the following pages.

The Guidance staff can be reached at (585) 289-3845.

Sincerely,

Timothy B. Benjamin
High School Principal

Lori Ryan
High School Guidance

GUIDANCE SERVICES

The Guidance Department at Manchester-Shortsville is there to help students. Students are assisted by the Guidance Counselor in making sound decisions of an educational, vocational and/or personal nature. The Guidance Department is designed to help you, the student, with any questions and problems that might arise during the year. The problem could be with a current class, with your educational plans after high school or it might be a personal problem. No matter how big or small the problem is, the counselor will help you in making a decision after exploring possible courses of action open to you.

Another important service of the Guidance Department is that of helping you to better understand yourself, your high school and the opportunities that await you after high school. This is accomplished through individual counseling and group guidance in classrooms. Information about careers, opportunities for future education in colleges, business schools, military service branches, personal improvement and many other areas are available in the Guidance Office.

Career counseling and career development as a life-long planning process is explored with students. Through various career-related tasks and learning activities students will develop self-understanding, identify personal interests, abilities and values, and learn how they affect one's life. An introduction to the world of work, communicating and relating to others, developing problem-solving and decision-making skills, and the establishment of personal, educational and professional goals are also part of guidance services.

MANCHESTER-SHORTSVILLE SCHOOL DISTRICT

GRADUATION REQUIREMENTS

Required Subjects	Regents Diploma	Advanced Regents Diploma
English	4 Units	4 Units
Social Studies	4 Units	4 Units
Mathematics	3 Units	3 Units
Science	3 Units	3 Units
LOTE	1 Unit	3 Units
Health	½ Unit	½ Unit
Physical Education	2 Units	2 Units
Art/Music	1 Unit	1 Unit
Sequence Requirements and/or electives	3 ½ Units	1 ½ Units
Total	22 Units	22 Units

Footnotes:

- a) Students may meet the learning standards in technology, either through a course in technology education or through an integrated course combining technology with mathematics and/or science. A commencement level course in technology education may be used as the third unit of credit in science or mathematics, but not both.
- b) The arts are defined as dance, music, theater, and visual arts.
- c) Students taking a sequence of not less than 5 units of credit in career and technical education (CTE) or the arts may substitute another 3-unit or 5-unit sequence in place of the 3 units in a language other than English (LOTE).
- d) To earn the advanced designation, the student must complete one of the following:
 1. A language other than English (3 credits)
 2. CTE (5 credits)
 3. The arts (5 credits)
- e) Students who complete Checkpoint A and two units of study in a single language other than English no later than the end of grade 8 must pass the second language proficiency examination in order to earn one unit of credit toward the high school diploma.
- f) Commencement Outcomes Assessment Project: Students are required to demonstrate that they have achieved the district's commencement outcomes through their work on this project. Students are required to complete twenty hours of service and present their project in writing and verbally to a panel. All activities must be approved by a mentor prior to their start.

STUDENTS RECEIVING SPECIAL EDUCATION SERVICES

- Students receiving special education services and pursuing Regents and/or Local Diplomas will take all required Regents examinations. As per state guidelines and the student's Individual Education Plan (IEP). Students with IEP's are eligible for the New York State safety net provision which allows them to take RCT exams when they are not successful on Regents exams. Passing RCT's will lead to a local diploma.

PROMOTION

Grade level promotion in grades 9-11 is based on the individual student's credit accumulation as follows: Senior – 15 credits; Junior – 10 credits; Sophomore – 5 credits.

COURSE LOAD

Students are encouraged to take advantage of the programs offered by carrying a course load consistent with their abilities and interests and one, which allows them to meet all minimum requirements of New York State and the school district in 4 years.

In grades 9-12, students have the opportunity for greater choice in the selection of courses and have more responsibility for decisions about the future. They are required to take, as a minimum, a schedule of 7 classes equivalent to 7 courses in addition to physical education.

COURSE CREDIT BY EXAMINATION

As an alternative to specific Regents and local diploma requirement, the Commissioner of Education is permitting a student to earn a maximum of 62 units of study which the student has attended upon instruction.

In such a situation, and to be consistent with Commissioner's Regulations, the following conditions are in effect:

1. The High School Principal will be the Superintendent's designee to determine that the student will benefit academically by exercising this alternative.
2. The student completes either (a) or (b) situations where state developed or state approved exams do not exist.

(A) The student must pass an oral examination, which will be in the subject field in which the student wishes credit and cover suitable content to be comprehensive. Questions will be formulated by the department and submitted to the Principal for approval. The examination questions must be:

1. Comprehensive: cover each of the major topical areas of the subject
2. In depth: demonstrate a level of difficulty consistent with the approved curriculum
3. Balanced: The examination questions will require a group of the objective and general concepts of the course
4. There will be a three-person oral testing board of the Principal (or the Principal's designee), and two teachers of the subject. Scoring will be done holistically for each question on a "Pass" or "Fail" basis, with two of three board members "Pass" grades needed. A "Pass" grade on each question is required to pass the examination.

(B) The student must complete a special project to demonstrate proficiency in the subject area. The following specific requirements must be met:

Science: project will demonstrate proficiency in laboratory techniques

Mathematics: project will demonstrate proficiency in problem solving skills

English/Social Studies: project will demonstrate proficiency in conversation and literature plus a cultural understanding

COURSE CREDIT BY EXAMINATION (CON'T)

Visual Arts/Practical Arts/Fine Arts: project will demonstrate individual accomplishment of merit (this may include tasks such as a research paper, an exhibit, a portfolio or a recital)

The project proposal is submitted by the required date. The student must first meet with a project committee consisting of the Principal (or the Principal's designee), and two subject teachers to determine if the project will demonstrate acceptable proficiency.

The review committee must determine that the proposed project contains the following essential elements:

1. **Comprehensiveness:** the project will demonstrate that the applicant has an understanding of the major topical areas of the subject. Projects, which do not include major required topical areas, will not be accepted.
2. **Depth:** the project will demonstrate that the applicant has a depth of understanding, which is consistent with the academic level of difficulty of the proposed examination.
3. **Magnitude:** the project's magnitude will encompass the entire subject area of the proposed examination. Projects of narrow scope will be unacceptable.
4. **Preparation:** the project's preparation will demonstrate equivalency with regular course preparation.
5. **Perseverance:** ordinarily, the project must be equivalent to a minimum of 40 hours per week.

The project committee will meet after completion to determine acceptability.

- 3) The student must achieve a score of at least 85 percent or its equivalent as determined by the Commissioner on a State-developed or State-approved examination. Regent's examinations can be used to meet this condition for Regents or local diploma qualification.
- 4) The following timetable will apply:
 - (A) For January examinations:
 - Application to Guidance Counselor by October 1st.
 - Project application (if appropriate) by October 31st.
 - Oral Examination/project completion by December 31st.
 - Examination - January.
 - (B) For June examinations:
 - Application to Guidance Counselor by March 1st.
 - Project application (if appropriate) by March 31st.
 - Oral examination/project completion by May 31st.
 - Examination - June.

ADVANCED PLACEMENT (AP) PROGRAM



The Advanced Placement (AP) Program, sponsored by the College Board, is a cooperative educational endeavor between secondary schools, colleges, and universities around the country. For students who are willing and able to apply themselves to college-level studies, the program enriches their secondary and post-secondary school experiences. It also provides the means for colleges to grant credit, placement, or both to students who have applied themselves successfully.

The benefits of AP include increasing the student's depth of knowledge and skill. Students who take AP courses are able to learn a subject in depth, to develop analytical reasoning skills, and to form disciplined study habits that can contribute to continued success at the college level. They may also gain time during college to explore additional subject areas and to participate in internships or study abroad.

When students in AP courses take the AP examinations in May, it will enable them to compare their knowledge and understanding of a subject with that of other AP students. The cost of each AP examination in 2008 was \$86. The challenge of competing with one's peers on national and international levels does not occur very often. It can give students a tremendous sense of accomplishment as well as confidence that they can successfully meet the academic demands of college.

In addition, satisfactory AP grades, as determined by the individual institutions, can allow students to bypass introductory-level courses in college in order to pursue more advanced studies. Each year, more than 30,000 AP students are potentially eligible for sophomore standing at about 1,400 colleges. If students begin taking AP courses during high school, they have the potential for sophomore standing when they enter college.

AP classes at Red Jacket High School are open to any student who meets the necessary prerequisites. All AP classes are involved in the weighted grades process.

ADVANCED PLACEMENT COURSES OFFERINGS 2009-2010

Language Arts

English Literature

Mathematics

Calculus AB

Science

Biology

Physics

Social Studies

US History

World History





HIGH SCHOOL INSTRUCTION **FOR COLLEGE CREDIT**

The Finger Lakes Community College “Gemini” program is a community service offered to area high schools to provide students an opportunity to gain advanced standing or college credit for work completed in the program. It has become recognized as a viable option to provide high school students with more course options, an option to advanced placement courses, and a motivator that some students need to continue study.

The Gemini agreements allow selected students to earn college credit for work completed. Successfully completed course work generally transfers to all other institutions that accept Finger Lakes Community College course work.

Student Eligibility Requirements:

- Juniors and Seniors in high school, some sophomores
- Minimum “B” average or 80% GPA
- Successful completion of English 11 ELA exam
- FLCC prerequisites, as stated in the FLCC College Catalog.
(www.flcc.edu/courses)

There is a charge for Gemini Courses based on the number of credit hours awarded. The 2008-2009 fee was \$42 per credit hour. Students may be required by FLCC to purchase textbooks for these courses. Costs for books could be as much as \$100.00.

The following Gemini courses are offered at Red Jacket:

- **Gemini Business Analysis/Computer Applications** (College equivalent) (CSC 105 Word, Excel & Powerpoint) see course description under Business Department.
- **Gemini Biology** (Bio 121, 122) See course description under Science Department.
- **Gemini Public Speaking** (Com 110) See course description under Business Department.
- **Gemini English 12** (Eng. 101/102) See course description under English Department
- **Gemini French** (French 101/102) See course description under Foreign Language Department.
- **Gemini Spanish** (Spanish 101/102, 201/202) See course description under Foreign Language Department.
- **Gemini Art History I** (100) See course description under Art Department.

SAMPLE GRADE LEVEL SCHEDULES

9th Grade		10th Grade	
Periods	Courses	Periods	Courses
1	ELA 9	1	ELA 10
2	Global Studies 9	2	Global Studies 10
3	Algebra	3	Geometry
4	Earth Science	4	Living Environment
5	Physical Education /Lab	5	Physical Education/Lab
6	Elective	6	Elective
7	Elective	7	Elective
8	Elective/AIS/Resource	8	Elective/AIS/Resource

11th Grade		12th Grade	
Periods	Courses	Periods	Courses
1	ELA 11	1	ELA 12
2	US History & Government	2	PIG/Economics & Government
3	Math B or Math 3	3	Pre-Calc./AP Calculus/Calculus
4	Chemistry/Physics/Ecology/ Chemistry Comm.	4	Chemistry/Physics/AP Physics/Ecology/ Chemistry Comm.
5	Physical Education /Lab	5	Physical Education/Lab
6	Elective	6	Elective
7	Elective	7	Elective
8	Elective/AIS/Resource	8	Elective/AIS/Resource

VOPRO AVAILABLE 11TH AND 12TH GRADE

SCHEDULE WORKSHEET

Please use this blank schedule with your child to work on the courses they would like to participate in next year. Please remember that all students are required to take seven classes, plus physical education.

Classes in a Day	Classes to Schedule
1	
2	
3	
4	
5	
6	
7	
8	

ART

A major sequence in art is achieved by completing STUDIO IN ART and two additional art units. Students may also complete a five-unit sequence. A Regents diploma may be received with either a five-unit sequence or a three-unit sequence.

Studio in Art

This is a comprehensive art and creativity course to be taken by ALL FIRST YEAR ART STUDENTS. It also meets state mandates for graduation requirements by the New York State Department of Education. Studio in Art will focus on six main components throughout the year:

- 1) Creativity and creative and critical thinking skills.
- 2) The elements and principles of visual design.
- 3) The creative process through various materials, styles and techniques.
- 4) The history of civilization through various visual artifacts such as architecture, customs, religion, painting, sculpture, symbolism, tools, etc.
- 5) The role and function of art throughout society
- 6) The study of aesthetics

Approximately 70% of this course is “hands on” in the areas, such as two or three dimensional design, drawing, painting, commercial art, sculpture, and print-making. The remainder of the course deals with thinking, skill building, aesthetics, art history and art criticism.

Credit: 1 unit

Prerequisite: none

Drawing I

In Drawing I students will explore the basics of technique, media and style. We will investigate the styles of realistic and abstract drawing through the use of various drawing media. The techniques of contour line, stippling, cross-hatching, blending and washes will be taught as ways to produce contour, gesture, detail and shaded drawings. Color theory and application will be introduced during the second half of this course. Throughout this course students will participate in constructive art criticism. Presentation processes, such as mounting and matting, will be required for all finished work. This is a one semester course.

Credit: 1/2 unit **Prerequisite:** Studio in Art

Drawing II

A continuation of Drawing I. Students will continue to explore and experiment with drawing materials, tools, techniques and styles at a more advanced level. Additional drawing media will be introduced. Drawing themes will be approached through realistic as well as abstract styles with an emphasis on creative problem solving. Students will be expected to master color theory as a compositional tool. This is a one semester course.

Credit: 1/2 unit

Prerequisite: Studio In Art, Drawing I

Painting I

Painting I begins with color theory and the other elements and principles of design. Students will use a variety of media including acrylics, watercolors, and colored inks as a mode to explore foundation-painting techniques. Painting will be approached from scientific and technical as well as abstract and self-expressive directions. The role of Art History is an important element of this course. This is a one semester course.

Credit: 1/2 unit **Prerequisite:** Studio in Art

Painting II

Painting II will explore the many different styles of painting: Realism, Impressionism, Surrealism, Abstract Modern, Pop and Expressionism. Students will continue to use color materials as expressive and creative tools as they develop a personal painting style. The role of art history is an important element of this course. This is a one semester course.

Credit: 1/2 unit

Prerequisite: Studio in Art, Painting I

Three-Dimensional Design

This course is an introduction to the exploration of 3-D art forms. The elements (line, form, color, texture, value and space) and principles (balance, repetition, emphasis, unity, contrast, movement) of design are used to create functional and non-functional forms in clay, paper, wire, plaster, plastics, reed and wood. Additive and subtractive techniques will be utilized with an emphasis on working "in the round". Students will be taught tools and techniques appropriate for the various media they will work in. Throughout this course students will participate in constructive art criticism.

Credit: 1 unit

Prerequisite: Studio in Art

Photography I

In this course students will be taught basic black and white photography using single lens reflex cameras and black and white and color photography using digital cameras. The SLR photography will cover camera parts and usage, composition using the elements and principles of design, film development and darkroom techniques to create prints. In digital photography students will be taught camera usage and image manipulation using the computer software program Photoshop. The history of photography is also a part of the curriculum for this course.

Credit: ½ unit

Prerequisite: Studio in Art, (when possible, seniors will be scheduled first)

Photography II

This course is a continuation of Photography I. More emphasis will be taught on individual student portfolio work and more advanced techniques in SLR and digital photography.

Credit: ½ unit

Prerequisite: Studio in Art, Photography I

Graphic Arts I

Graphic Arts is a commercial art career path that involves getting a message across to the public through a combination of words and/or pictures. This should be done as boldly and as simply as possible. This course is the study of creating pictures and words, through the use of a camera (photography), individual artistry, and computer technology. The computer is a major tool used in Graphic Arts I. Students will learn to work in Adobe Photoshop and Adobe In Design. This is a one semester course.

Credit: 1/2 unit

Prerequisite: Studio in Art

Graphic Arts II

This course covers additional aspects of graphic arts from artistic, commercial and journalistic points of view. This course also includes more advanced computer graphic techniques in Adobe Photoshop and Adobe In Design. The computer is a major tool used in Graphic Arts II. Graphics will be generated by hand, as well as with the computers and other commercial products. This is a one semester course.

Credit: 1/2 unit

Prerequisite: Studio In Art, Graphic Arts I

Honors Portfolio Studio

This course is for seniors who have successfully completed a minimum of 3 units of art as a prerequisite. The art student, at this point in his/her sequence, should have developed an understanding of qualities, characteristics and tools of various media, as well as an understanding of art concepts, art history and contemporary issues. All students in this course will develop a portfolio of their work and be required to keep a journal/sketchbook of the year. Students planning to attend college as a visual arts major will develop their portfolio and journal accordingly. This honors course requires the student to be self-motivated and responsible for his/her own production of work. This is a one-half year course. In the spring, students will be required to mount a professional display of their artwork at the Spring Arts Festival.

Credit: ½ unit

Prerequisite: Studio in Art, A minimum of Three Additional Art Credits

Gemini Art History I



This course is offered in partnership with Finger Lakes Community College. Students who successfully complete this course will receive college credit through FLCC to be used at that school or can be transferred to another college or university. This course is an in-depth study of art history from Pre-historic Art through the Middle Ages. Students will be assessed via homework, tests, class discussion and research papers and presentations.

Credit: 3 units of college credit, ½ unit of high school credit

BUSINESS

Business is a broad and diverse discipline that enables a student to prepare for either an entry-level employment position in business, marketing, or accounting occupations as well as being prepared for post-secondary education. The sequences of courses in Business are designed to provide a variety of options for students to meet sequence requirements while developing broad-based, transferable skills and specialized competencies. A five-unit sequence in Business can be substituted for a Foreign Language sequence. In addition, Business Law may be used as a 5th unit of Social Studies credit. College Credit may be given for successful completion of Public Speaking, Business Computer Applications, Business Organization, and College Accounting. We also offer articulated credit with FLCC for Computer Applications and Business Communications.

Computer Applications

Computer use becomes more exciting as students enhance skills and achieve success with technology. This course uses technology to develop skills preparing students for professional situations. Computer Applications allows the student to explore the many facets of the computer by utilizing the keyboard, digital camera and scanner to efficiently create word processing, database, spreadsheet, layout, and presentation (PowerPoint) documents. With daily use, students familiarize themselves with the keyboard and learn how to properly use many of the software programs available to them. This is a one semester course.

Credit: 1/2 unit

Examination: Local Examination

**This course is available for Articulated Credit at FLCC.

High School Accounting

The emphasis of this course is to develop an understanding of accounting information systems for a business and/or an individual. The basic concepts, procedures, business documents and financial statements are included as they relate to the accounting cycle. Both a manual and computer simulation give students practical experience in completing the accounting cycle. This course is recommended for students with an interest in a math-related career or students pursuing a business major in college. This is a one semester course.

Credit: 1/2 unit

Examination: Local Examination

Street Law

This course emphasizes the relationship of business law to an individual's personal life as well as occupational life. Applications of the laws as they affect the individual are featured. It is a general information course not limited to business students. The student receives an opportunity to study both criminal law and civil law as well as the law of torts, bailments, fraud, rights of a minor, employment law, renting property, owning property, wills and insurance.

Credit: 1 unit

Examination: Local Examination

Desk Top Publishing

Students discover the world of Desk Top Publishing, using the layout programs Microsoft Publisher. Students will use the digital camera and scanner to enhance their projects. The students will also create their own Home Page on the Internet using Front Page.

Credit: 1/2 unit

Examination: Local Examination

Time: Every day, one semester

Gemini Business Analysis/Business Computer Applications (BA/BCA) **(CSC 105, Word, Excel, Powerpoint)**



This full year course is designed to acquaint students with basic business activities and how businesses use computers. Windows based software will be used to solve applications in word processing, spreadsheets, database, desktop publishing and graphing. Students learn how to develop computer-generated presentations, brochures, and many other applications that can be used in all other classes. Students take BA/BCA during the fall semester for high school credit and continue in the spring receiving Gemini college credit for Computer Science 105 (Word), (Excel), and (Power Point). There is a charge for Gemini courses. Students may be required by FLCC to purchase textbooks for these courses.

Credit: 3 college credits, 1 unit High School Credit

Examination: Local Examination

Time: Every day, full year

Gemini Public Speaking (COM 110)



A study in communication with emphasis on the organization, presentation, and delivery of speeches for various occasions. Check with instructor on estimated costs of tuition and books. There is a charge for Gemini courses. Students may be required by FLCC to purchase textbooks for these courses.

Credit: 3 college credits, 1/2 unit

Examination: Local Examination

DRIVER EDUCATION (Grades 11 and 12)

The Red Jacket "Driver Training Program" is a TWO PHASE program. Concepts involving driving techniques are learned in the classroom lecture. The concepts are then put to practical use in the drive-time lab.

Upon successful completion of the state requirements, students receive a MV285, or BLUE CARD, giving the student a reduction on his/her insurance rates. Privileges of a senior operator's license are granted upon successful completion of the course.

Credit: 1/2 unit

Available Summer only—Dependent on the budget.
There will be a fee.

ENGLISH

Four years of English credit are required for graduation from Red Jacket High School. Students must obtain an acceptable grade on the NYS Comprehensive Regents Exam.

English 9 Regents

The course is broken into semester units. The first semester focuses on the parts of speech, sentences structure, punctuation, and writing skills. Students will expand their writing to multi-paragraph essays, incorporating thinking skills in a variety of writing assignments. Use of language, vocabulary, and mechanical skills will be studied to assist the student in his/her development. The second semester focuses on literature study in the major genres: novel, short story, poetry, and drama, with an emphasis on literary analysis.

Credit: 1 unit

Examination: Local

English 9 Honors

This course entails more extensive reading and writing than the Regents level course. It moves at a faster pace with more opportunities for student lead projects. More independent work will be expected. Students accepted into this course are expected to continue in the Honors track throughout high school, providing they show the initiative to do so.

Credit: 1 unit

Examination: Local

English 10 Regents

English 10 Regents will study Global literature by genre: novel, short story, drama, and poetry. The literature will be analyzed for theme, style, and form. Most writing is expository. While some work is done with single paragraphs, the writing of essays is heavily emphasized, particularly the essay of literary analysis. The course will include structured vocabulary study and the emphasis in grammar will develop the student's ability to use correct syntax to make his/her writing clear and concise.

Credit: 1 unit

Examination: Local

English 10 Honors

This course entails more extensive reading and writing than the normal college preparatory course and has limited enrollment. Students will be expected to complete multiple independent projects and to participate more actively than in a Regent's level class.

Credit: 1 unit

Examination: Local

English 11 Regents

The focus is American Literature by genre. In addition, students will review for the Regents exam through an emphasis on spelling, vocabulary, and essay writing techniques. Several Readers' Workshops culminating in short literary papers will be interspersed throughout the year.

Credit: 1 unit

Examination: Local

English 11 Honors

This course will focus extensively on the close study of translated international and classic American literature. Only for the highly motivated student, the focus of this course is on independence of thought and analysis. This course will involve extensive independent reading and writing outside of class. A summer assignment entailing reading and note taking is an entrance requirement for this course.

Credit: 1 unit

Examination: Regents

AP English Literature 12



This is a college level English class with a very literary orientation. This class should be chosen by those seniors who are planning to attend competitive four-year colleges. There will be significant summer work for this course, a heavy workload during the year.

Due to the challenging nature of the course, it is not for everyone. The prerequisite of English 11 Honors is suggested, but not absolutely required. Any student may apply for entry into the course. The final decision will be made on the basis of English and Social Studies course grades from this year, Regents exam grades in English and Social Studies, AP exam grades in Social Studies, PSAT and SAT scores. Most of all, teacher recommendations will weigh heavily in the final decision. A student who is accepted into the course but does not complete the summer work will be expected to register for another section on the first day of classes in the fall. As part of the course, students are expected to take the AP examination in May. There is a fee to take the AP exam. Students may earn college credit for this course.

Gemini English 12 (Eng. 101/102)



This is also a college level English class for which the student may receive credit through Finger Lakes Community College. This credit will transfer to any college which accepts FLCC credit. There is a charge for this course if you want to receive the college credit. This will be taught in two sections to parallel FLCC's English 101 (College Writing) and 102 (Intro to College Lit.) classes.

There is a charge for Gemini courses. Students may be required by FLCC to purchase textbooks for these courses.

Credit: 6 college credits, 1 high school credit

Examination: Local Examination

English 12 Regents

This is a more traditional senior English class in terms of format. The emphasis is still on college preparation, but with mixed literature and writing assignments throughout the year. Research and writing will be stressed, and we will read both classic and contemporary literature. Summer reading is suggested but not required for this class, and booklists will be available.

FAMILY AND CONSUMER SCIENCE EDUCATION

The mission of family and consumer science education is to prepare students for family life, work life, and careers by providing opportunities to develop the knowledge, skills, attitudes and behaviors needed for successful life in the twenty-first century.

Food For Today

The purpose of this course is to teach students the foundations of food preparation with emphasis on nutritious meal planning. Students interested in a food industry career, physical education or information for healthy eating will find this beginning course valuable. The fun of hands-on food preparation labs are used to learn more about nutrition, meal management, food purchasing, meal service and careers related to the study of food and nutrition. A unit on Sports Nutrition has been included in this course. Students will also learn to use technology for safe and healthy food preparation.

Credit: .5 unit

Exam: local Exam

Prerequisite: None

Gourmet Foods

All New!! Here's your chance to create fun and exciting foods using the basic techniques learned in Food for Today and applying a gourmet twist. This course is designed to provide the student with the knowledge and hands-on experience necessary to work with herbs and spices, appetizers, soups and sauces, salads, entrees, cookies, quick breads, yeast breads, pastry, puff pastry, beverages and gifts from the kitchen. Careers related to all aspects of food production and preparations are explored. Your baking skills will improve as you enjoy learning how to make that special dish. Resource materials developed by famous chef schools including, Johnson and Wales and the Culinary Institute of America will take cooking to the next level. Iron Chef style bake offs will complement the usual team work you developed in middle school. Special luncheons and pie making contests will add spice to your spring semester.

Credit: .5 unit

Exam: local exam

Prerequisite: Food For Today

QUEST

A student-centered course dealing with social issues of interest to teenagers. Real-life topics (such as poverty, drug abuse, and prejudice) will be researched. Students will then move from concern to action in a community service project. There is a strong emphasis on using student experiences to improve public presentation abilities. Students learn how to use publisher and power point to make professional materials for community service. Students go on field trips to The Geneva Soup Kitchen, Happiness House, The Veterans Administration, etc and practice human development skills with a variety of audiences. Students will have an opportunity to present their Service Learning Presentation at the conclusion of the class.

Credit: ½ unit

Examination: Local

FOREIGN LANGUAGE

Major Sequence

All students are required to complete two years of a second language before the end of 9th grade to earn one unit of credit in order to graduate. The one credit is attainable by passing the New York State Second Language Proficiency exam given at the end of 8th grade, or by successfully completing the level one course in high school. In order to receive a Regents diploma with advanced designation, a student must receive a passing grade on the New York State Comprehensive Spanish or French examination or take the 5 unit option in occupational education, art or music.

Spanish 1

Students recommended for this course benefit from an extended sequence Regents program. The course is intended to strengthen previous skills and knowledge to ensure success in level 2.

Credit: 1 unit

Examination: Local

French 2, Spanish 2

Students develop a higher level of comprehension and communicative abilities by combining prior learning and increased structural accuracy. Content consists of practical application of the language in realistic situations encountered in foreign countries. Continued use of authentic print and video materials expose students to current language. A greater emphasis of reading/writing is begun. As of this level, students have the opportunity to validate their learning through travel abroad. Successful completion of the course satisfies the second credit of the checkpoint B Regents sequence.

Credit: 1 unit

Examination: Local

French 3, Spanish 3

At this level, students are expected to be able to understand a native speaker, carry on coherent conversation, write an intelligible letter and understand the gist of authentic materials. Personalization, expression of opinions, discussion of more abstract topics, creativity and use of original language are goals. Successful completion of the Regents exam satisfies the language requirement for a Regents diploma.

Credit: 1 unit

Examination: Regents

French 4/Gemini French 101, 102

The Foreign Language Level 4 course is a post Regents elective designed to meet the needs of the serious language student who wants to pursue the study of the language and culture at an advanced level. Its purpose is to prepare students for college offering and the demands are consistent with college expectations and the New York State syllabus checkpoint C. Limited fluency and a willingness to speak are prerequisites as the class is conducted primarily in the language and requires active participation.

Students can expect:

- the study of advanced grammatical concepts
- an exposure to literature
- an in-depth study of the peoples, culture and current events of the target countries.
- sophisticated conversation topics
- short papers

All require higher-level thinking skills and self-expression in the language.

Credit: 6 College credits, 1 High School credit

Examination: Local

Spanish 4/Gemini Spanish 101-102



This course is a post-Regents elective designed to meet the needs of the serious language student who wants to pursue the study of the language and culture at an advanced level. The curriculum includes a systematic review of grammar, an exposure to literature, short papers, sophisticated conversations topics, oral presentations and an in-depth study of Spanish-speaking countries. Its demands are consistent with college expectations and the New York State syllabus checkpoint C. Limited fluency and a willingness to speak are prerequisites as the class is conducted primarily in the language and requires active participation. There is a charge for Gemini courses (\$42.00 per credit hour). Students may be required by FLCC to purchase textbooks for these courses.

Credit: 6 College credits, 1 High School credit

Examination: Local

Spanish 5/Gemini Spanish 201/202



Spanish 5 is a continuation of Spanish 4. There is a charge for Gemini courses. Students may be required by FLCC to purchase textbooks for these courses.

Credit: 6 College credits, 1 High School credit

Examination: Local

MATH

Requirements

To earn a Regents diploma a student must successfully complete at least 3 years of high school math and pass the Algebra 1 Regents exam. Students are encouraged to take 4 years of math since colleges look favorably on those students.

Algebra 1

This course will place an emphasis on Algebra and will continue the work that was started in Middle School. Additional topics include: Areas and Volumes of Geometric Figures, Trigonometry of Right Triangles, Graphing Linear and Quadratic Functions, Probability, and Statistics, Algebraic Fractions.

Credit: 1 unit

Examination: Algebra Regents Exam

Geometry

This course should be elected by all students who have successfully completed Algebra 1. Topics include: Locus, Logic, Inductive and Deductive Proofs, Transformations, Geometric Inequalities, Congruency of Polygons, Three Dimensional Geometry, Geometry of a Circle.

Credit: 1 unit

Examination: Geometry Regents exam

Algebra 2 and Trigonometry

This is the third course of a three-year sequence that is aligned with the New York State Learning Standard for Mathematics. Algebra 2 and Trigonometry includes an extended study of algebra and geometry, complex numbers, relations and functions, circular functions, trigonometry, probability and statistics, as well as sequences and series. The course incorporates extensive utilization of a graphing calculator. Upon successful completion of the New York State Algebra 2 and Trigonometry Regents exam, students will satisfy the graduation requirement for an Advanced Designation Regents diploma. The Algebra 2 and Trigonometry Regents Exam, administered for the first time in June 2010, will be taken at the end of the course as a final exam.

Credit: 1 unit

Examination: Algebra 2 and Trigonometry Regents

Prerequisite: Successful completion of the Geometry Course and the Geometry Regents Exam

Pre-Calculus

The focus of the course is preparing students to be successful in AP Calculus the following year. The course encompasses advanced math concepts to include a more in-depth study of functions, conic sections, trigonometric relationships, sequences, series, and an introduction to limits and differentiation.

Credit: 1 unit

Examination: Local

Prerequisite: Geometry or teacher recommendation

Calculus

This is a first course in calculus intended to focus on the mathematics of changing rates while providing practical applications for all previous high school math courses. The derivative of polynomial and transcendental functions is investigated from a numerical, graphical, and algebraic approach with an emphasis on practical applications in Physics, Engineering, Biology, and Business. Introductions to the definite integral and the Fundamental Theorem of Calculus are also topics included in this course. Graphing calculators are used extensively in this course.

Credit: 1 unit

Examination: Local

Prerequisite: Pre-Calculus and/or teacher recommendation

AP Calculus (AB)



Advanced Placement Calculus AB is a college level mathematics course encompassing three major topics: 1) Functions, Graphs, and Limits; 2) Derivatives; and 3) Integrals with an emphasis on geometric, numerical, analytical, and verbal representations. The use of graphing calculators is an integral part of the course and is a requirement for the AP examination. Success on the AP examination may result in college credit. As part of the course, students are expected to take the AP examination in May. There is a fee (~\$86) to take the AP exam. Students may earn college credit for this course.

Credit: 1 unit

Examination: AP exam

Prerequisite: Pre-Calculus and/or teacher recommendation

Math 3

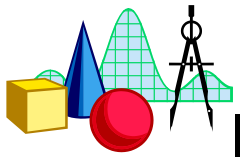
This course will fulfill the 3rd year of math credit for the student who does not wish to go on to Math B. Math 3 will continue the student's work in Algebra, Probability, Statistics, Trigonometry, Linear and Quadratic Systems of Equations, and Transformations. The material will be tied into real world applications whenever possible.

Credit: 1 unit

Prerequisite: Geometry

Examination: Local

Math Path at Red Jacket



8th Grade

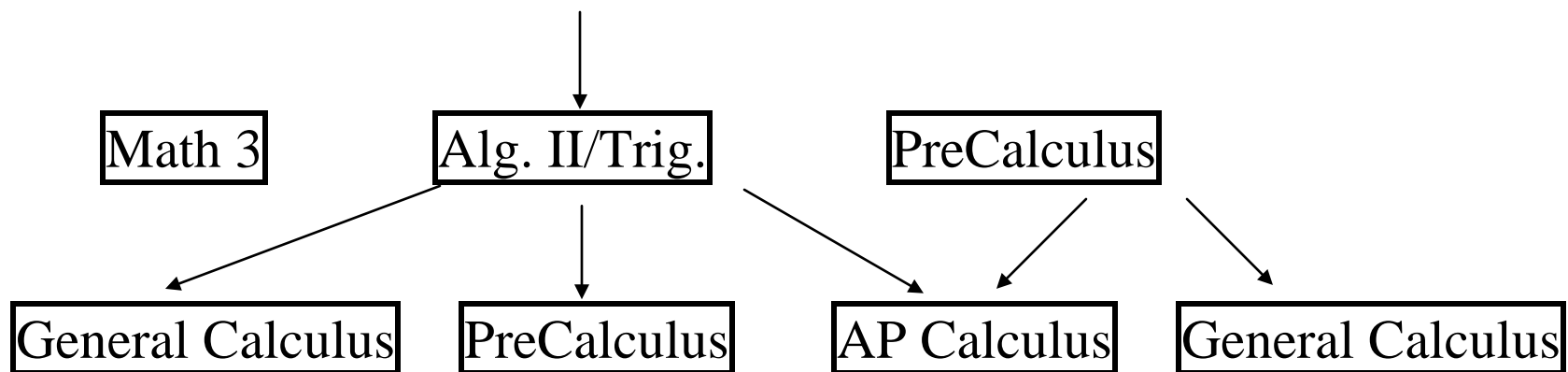
Accelerated 8th Grade (Algebra)



Pre-Algebra

Algebra
Geometry

Geometry
Alg. II/Trig.



Note: The minimum requirement for graduation is 3 units of mathematics credit. The mathematics department encourages students to enroll in mathematic courses that not only challenge the individual student but also prepare the student for post high school education. A high school course of study including 4 units of mathematics is strongly recommended.

MUSIC

A major three-unit sequence in music may be achieved by successfully completing a combination of two years of a performing ensemble and one year of music theory course. A five-unit sequence is also available.

Concert Band

This course is unique in that it is both curricular and extra-curricular. Curricular aspects of the band program include band one period a day, and lessons one period a week on a rotating schedule. Grading is based on preparation of assigned material. Upon completion of this course students will be able to apply the following concepts to musical performance: Dynamics, phrasing, articulation, good tone, proper posture, breath support, and aesthetic sensitivity. Extra-curricular aspects of the band program include Pep band, Marching band and Jazz band. Extra-credit toward grades will be given to those who participate in these activities.

Credit: 1 unit

Examination: Local

Prerequisite: Junior Band

ADDITIONAL REQUIREMENTS:

Each band member is required to attend one lesson per week offered in school by the instrumental faculty. All performances by bands are mandatory.

Senior Chorus (grade 9-12)

This program is designed to include all students who want to be a part of the high school vocal music program. It also meets the one credit Fine Arts state mandate for graduation requirements by the New York State Department of Education. Three performances are a part of the requirement fulfillment.

Credit: 1 unit

Examination: Local

Prerequisite: None; open to students in grade 9-12

ADDITIONAL REQUIREMENTS: All performances by chorus are mandatory.

Concert Choir

This group requires an audition and acceptance into the group by the director. The group must consist of an even balance of voices. Students are expected to learn a variety of vocal music repertoire and perform throughout the community and at various school functions. This group is also an evaluative group that performs NYSSMA level V music. It also meets the one credit Fine Arts state mandate for graduation requirements by the New York State Department of Education.

Credit: 1 unit

Examination: Local

Prerequisite: 1 year of Senior Chorus plus an audition

ADDITIONAL REQUIREMENTS: All performances by chorus are mandatory.

An Appreciation of Musical Theatre I-IV

An Appreciation of Musical Theatre is a hands-on study of American Musical Theatre. Students will be learning about the history of American Musical Theatre and how it has evolved through the 20th and 21st Century. Students will also be viewing a wide variety of Musical Theatre productions through the year. Throughout the class, students will be actively involved in all aspects of American Musical Theatre including vocal study, the dramatic arts, dance, set design and construction, light design and sound design. The class will present a Historical American Musical Theatre Review as Part of their Final Exam.

Credit: 1 unit

Examination: Local

Prerequisite: 1 year of Senior Chorus plus an audition

ADDITIONAL REQUIREMENTS: All performances by chorus are mandatory.

PHYSICAL EDUCATION

Physical Education is required every year a student is in attendance. Requirements for graduation from high school include successful participation in physical education (four years for a total of 2 credits).

The primary goal is to aid each student in the development of attitudes, skills, and knowledge of human movement which will promote involvement in physical activity during his/her lifetime. Physical Education promotes the understanding of the importance of health-related physical fitness, fundamental motor skills, and appropriate social behavior. Specific living skills include physical fitness (cardiovascular, musculoskeletal), cooperation, risk taking, safety, initiative, leadership, trust, and respect.

High School (Grades 9-12)

The physical education class stresses the importance of team activities and individual life-long skills. By taking part in the physical activities, the student develops good health habits, leadership roles and responsibility.

Credit: 1/2 unit

Examination: Local

ADAPTIVE PHYSICAL EDUCATION

New York State law requires physical education programs to be modified when a student is unable to participate in the school's regular program. Such programs may include, but are not limited to, students with handicapped conditions. Program adaptations range from inactive through moderate and active participation depending on individual needs.

SCIENCE

A sequence in science is achieved by successfully completing three units in science. Students accelerated in 8th grade may achieve a five-unit sequence. Students not majoring in science must complete three units of science (one of the units must be successful completion of a Regents level course). To take the Regents exams in science, students must meet state mandated laboratory requirements.

Earth Science Regents

This course gives the student the opportunity to take an investigative approach to learning about his/her physical environment. Process of inquiry skills are developed enabling the student to become acquainted with energy in earth and atmospheric process and earth motions in space. To be eligible for the Earth Science Regents, the student must meet the New York State lab requirement.

Credit: 1 unit

Examination: Regents

Biology Regents (The Living Environment)

Biology is the branch of science that deals with the study of organisms and their environment. Units of study in this course include life processes, cell structure, biochemistry, maintenance in animals and plants, human physiology, genetics, reproduction and development, evolution, and ecology. Successful completion of this course will enable the student to progress to other areas of science. The Regents Living Environment course is laboratory-oriented. There is a strict New York State laboratory requirement, with mandatory written lab reports, which must be met before the student can take the Regents examination in June.

Credit: 1 unit

Examination: Living Environment Regents exam

Advanced Placement Biology



AP Biology is the equivalent of two semesters of a college introductory biology course, usually taken by biology majors during their freshman year. On this basis, many colleges and universities may waive requirements or grant credit to students showing themselves to be qualified. The laboratory exercises are also the equivalent of those done by college students. This course aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. Three general areas (Molecules and Cells, Heredity and Evolution, Organisms and Populations) are subdivided into topics and themes. The AP Biology course is offered after the successful completion of a first course in high school biology and one in high school chemistry as well. It is recommended that students taking AP Biology have strong reading, writing, and laboratory skills and is therefore a course in which seniors are usually most prepared. As part of the course, students are expected to take the AP examination in May. There is a fee to take the AP exam. Students may earn college credit for this course.

Prerequisite: Regents Chemistry, Regents Biology **Recommended:** English 10H, English 11H

Gemini Biology (BIO 121 and BIO 122)



Gemini Biology is composed of two semester courses and the equivalent of the typical, freshman-level course of college general biology (BIO 121 and BIO 122 at FLCC). These courses of study investigate the hierarchy of biological organization from organic polymers to populations. Five units (Molecular Biology, Cell Biology, Genetics, Evolution, and Organism Diversity) frame the topics of instruction. The broad content is developed within the context of themes and is integrated with activities and projects. Students are expected to build on the language and apply the basic biological principles to solve problems and perform investigations. The course is heavily laboratory oriented. The laboratory setting is composed of several investigations on biochemical, cellular, and organismal properties and processes. Registered students are dually enrolled and those who successfully complete each course of study earn dual credit (both Red Jacket and Finger Lakes Community College). There is a cost. Students may be required by FLCC to purchase textbooks for these courses.

Credit: 8 College credits, 1 High School credit **Examination:** Local (at end of each semester)

Prerequisites: B or better average, Regents Biology, Math B, Principal recommendation for students in grade 11 or 12.

Recommended: Regents Chemistry

Chemistry Regents

Chemistry is that branch of science that deals with the composition of matter, the changes which matter undergoes, and the relationship between the properties and structure of matter. This course of study presents a modern view of Chemistry and is intended for students who are interested in the sciences or are planning on continuing their education beyond high school. Emphasis is placed on acquiring fundamental concepts, mastery of basic skills, and application of chemistry to explain everyday phenomena. Investigations emphasize inquiry and experimentation and therefore require developed math, laboratory, and writing skills. There are 10 units of study (Atomic Theory, Concepts, Periodic Table, Moles/Stoichiometry, Chemical Bonding, Physical Behavior of Matter, Kinetics & Equilibrium, Organic Chemistry, Oxidation-Reduction, Acids/Bases/Salts, Nuclear Chemistry). To sit for the Regents Examination Chemistry students must submit satisfactory written reports that represent the minimum NYS laboratory requirement.

Credit: 1 unit

Recommended: Geometry

Examination: Regents

Physics Regents

This is a regents course in the study of energy with emphasis on the laws of conservation of energy. Many commonly held misconceptions are corrected. Through the study of Mechanics, Energy, Electricity, and Magnetism, Wave Phenomena, and Modern Physics, the student will obtain a deeper understanding of the unified nature of physical science. Successful completion of Math A, though not required, will enable the student to benefit most from the instruction. There is no science prerequisite for the course. To sit for the Regents Examination Physics students must submit satisfactory written reports that represent the minimum NYS laboratory requirement.

Credit: 1 unit

Examination: Regents exam

AP Physics (B)



The AP Physics course is an algebra-based course. In addition to all of the topics in Regents Physics, AP Physics covers topics typical of a first year college physics course, to include Fluid and Thermodynamics. Students are required to show a greater depth of understanding of these physics concepts. There is no science prerequisite for AP Physics but students should have a high level of proficiency in algebra. Though most students who take AP Physics at Red Jacket have not had Regents Physics first, for some students that may be a more viable option. Completion or concurrent enrollment in Geo/Trig is highly recommended for interested sophomores, juniors, or seniors. The AP exam will be given during the first two weeks of May but the final exam for the course will be the Regents exam in June. To sit for the Regents Examination Physics students must submit satisfactory written reports that represent the minimum NYS laboratory requirement. As part of the course, students are expected to take the AP examination in May. There is a fee to take the AP exam. Students may earn college credit for this course.

Credit: 1 unit

Examination: AP exam, Regents exam

Chemistry In The Community (ChemCom)

In this course of study, the chemistry concepts are organized around and presented in the context of societal issues. Students explore organic chemistry, biochemistry, environmental, and industrial chemistry in a highly interesting lab based format. Students study content, evaluate data, and make observations. The knowledge gained allows them to creatively apply the practice of chemistry in a decision making process. The unites of study in the ChemCom course are:

- Water: Exploring Solutions
- Materials: Structure and Uses
- Petroleum: Breaking and making Bonds
- Air: Chemistry and the Atmosphere
- Industry: Applying Chemical Reactions
- Atoms: Nuclear Interactions
- Food: Matter and Energy for Life

Credit: 1 unit

Time: Every day, full year

Examination: Teacher Examination

Prerequisite: Teacher Recommendation

Ecology

This course is designed to increase awareness with other organisms and the environment. This course will present a range of ecological concepts from adaptations of organisms and the environment. This course will present a range of ecological concepts from adaptations of organisms to dynamics of ecosystems. Field and laboratory investigations will center on local woodland, stream, and developed habitats including environmental sampling and monitoring. Nature journaling and data collection and interpretation will be major parts of each investigation. Much of the course will be presented through outdoor activities and field trips for observation and application of content.

Credit: 1 unit

Examination: Local

Prerequisite: Recommendation for students in grade 11 or 12

**This course is available for Articulated Credit at FLCC

Foundations in Science

This course will provide students with an introduction/preparatory year of science prior to enrolling in the NYS mandated regents level courses. This course will cover key concepts of Physical Science and Living Environment. It will provide a foundation that will increase skills in science and preparedness for higher level thinking. It will teach organizational skills, properties of lab writing, and will build student confidence and success.

Successful completion of this course will earn the student the first of their three required science credits necessary to obtain a regents diploma.

Credit: 1 unit

Examination: Local

HEALTH

All students are required to complete 20 weeks of health in grade 7 and 20 weeks of health during their high school career. A half unit of credit is required for graduation.

Students will complete their health portfolio by continuing their study on topics including diseases, human sexuality, mental health and family violence. Topics included in Health 7 will be further enhanced by additional study and follow-up.

Credit: 1/2 unit

Examination: Local

SOCIAL STUDIES

Major Sequences

Four units of social studies are required for graduation. The fourth unit consists of one semester of People, Politics, and Participation and one semester of Economics or Practical Economics. If students can prove competency in either/both of these areas, through a testing process, they can earn their fourth unit by choosing from other social studies courses. Students must pass a Regents or Competency Exam in Global Studies at the end of their sophomore year. They must also pass a Regents or Competency Exam in the U.S. History & Government at the end of their junior year. A five-unit sequence is also possible.

HONORS PROGRAM CRITERIA SOCIAL STUDIES DEPARTMENT

1. Recommendations from Social Studies teacher's grades 7-9.
2. Social Studies class average of 85% plus.
3. Student must express interest and intent to complete the program.
4. Teacher may require summer requirement and contract to those requesting admission.
5. Parental acknowledgment of required student commitment.
6. Students not recommended are interviewed by teacher.

Global History 9

A full Regents program, Global History focuses on a chronological and thematic approach. The course begins with an overview of the Social Sciences and major themes such as world geography, political systems and economic systems.

The time line for the course starts with prehistory (Early Man) through 18th century studies on the Enlightenment (10,000 BC - 1750 AD). Specific theme-based units include foundations of civilization, movement of goods and people, change, belief systems, global interactions such as cultural diffusion and diversity.

Credit: 1 unit

Examination: Local

Global History 9H

A full Regents program at the accelerated level, Global History I Honors focuses on most of the themes and time frames of Global History I Regents. This course is open to any student entering grade 9 who wishes to pursue an accelerated course of studies in the Social Studies. This course is designed to provide students with an introduction to Global History as well as preparation for the Regents and accelerated courses. The period covered starts with pre-history (10,000 BC) and continues to approximately 1100 AD. Specific themes include: Geography, Political Science, History, and Economics with sub themes being: movement of goods and people, change, belief systems, global interactions, cultural diffusion and cultural diversity. Students should also be prepared for summer work as determined by the instructor.

Credit: One unit **Examination:** Local **Prerequisite:** Honors criteria

Global History 10

A full Regents program that continues the chronological, thematic approach of Global History I. The timeline for Global History II starts with a reviewing of the Enlightened thinkers from the 18th century through contemporary times (1750 - present). Specific themes include the following: Revolution, Nationalism, Imperialism, Conflict, Technology, Interdependence, Justice and Human Rights.

Credit: 1 unit **Examination:** Regents **Prerequisite:** Global History I

AP World History



AP World History provides an opportunity for students to pursue and receive college-level credits and experience at the secondary level. Successful completion of APWH may allow for students to “skip over” certain foundations or survey courses at the university level if so desired. APWH is a challenging class that requires students to use a variety of advanced higher level thinking, speaking, and writing skills in a variety of areas. Students will focus on the reading of numerous primary source readings while at the same time writing samples of work that reflect their understanding and ability to apply data in an appropriate fashion. Study begins with a review of Global History I Honors and then proceeds from c. 1000 AD to the present. The course ends with a series of exams, rigorous AP World History examination in May of the sophomore year and the taking of the NYS Regents Exam in Global History and Geography to meet state requirements. The most successful of APWH students are those who are self-motivated, self directed, have a great interest in history and historical method, discipline, and an overall desire to do well at all times. Students should also be prepared for summer assignments as per instructor determination. As part of the course, students are expected to take the AP examination in May. There is a fee to take the AP exam (~\$86). Students may earn college credit for this course.

Credit: 1 unit **Examination:** AP World History & Global History Regents
Prerequisite: Honors criteria

AP United States History and Government



AP United States History and Government provides an opportunity for students to pursue and receive college-level work at the secondary level. Successful completion of AP United States History and Government can allow a student to “advance” and thereby eliminate the need to take lower level college history courses. United States History and Government is a challenging course, which requires an economical, social, political and historical perspective. Students will be reading extensively from primary and secondary sources, evaluating these sources, and preparing persuasive answers to both verbal and written questioning. Students will work with content beginning in Colonial times to the 20th Century. Related comparative studies to developments in Canada and Latin America will also be covered as appropriate.

It is expected that students participating in AP United States History and Government understand that they must commit themselves to a positive work ethic, dedication to working to their best effort, and persevering throughout the course at all times. Summer work may be a requirement based on teacher determination. As part of the course, students are expected to take the AP examination in May. There is a fee to take the AP exam (~\$86). Students may earn college credit for this course.

Credit: 1 unit

Examination: AP U.S. History, Local exam, NYS Regents

U.S. History & Government Regents

The Regents course is a topical presentation of American History. Topics include government, economics, the American people, foreign affairs, and American ideals and values. The emphasis is on conceptual learning.

Credit: 1 unit

Examination: Regents

Economics

“Economics” is a state mandate emphasizing economics and economic decision-making. The course will include basic economic concepts and understanding which all persons will need to function effectively as citizens and participants in the economy of the U.S. and the world.

Credit: 1/2 unit

Examination: Local

Participation in Government

Participation in Government is a state mandate emphasizing interaction between citizens and government at all levels: local, state and federal. The course will encourage students to understand and participate in a democratic process, analyze politics, write research papers.

Credit: 1/2 unit

Examination: Local

Psychology

An introductory level in the behavioral science field, Psychology. The forty week (one credit) course for Seniors includes the following topics: conditioning, intelligence and creativity, developmental psychology (birth to death), the brain and various states of consciousness including dream analysis, personality development, and abnormal behavior. Various reports and research papers are required.

Credit: 3 College credits, 1 High School credit

Examination: Local

TECHNOLOGY

Technical Drawing

The study and application of basic drawing concepts such as multi-view, isometric, geometric, perspective, and sectional drawings. Included in these areas are skill development in using drawing tools and instruments, measurement, visualization, and blueprint reading. The class is mostly hands-on drawing in all areas. This course satisfies a 2 unit of the Art/Music graduation requirement for students pursuing any Technology sequence.

Credit: 1/2 unit

Examination: Local

Computer Aided Design and Drafting

A 1/2 unit course that explores the history, individual applications, design functions and career opportunities within computer aided drafting. Graphic problems will be solved using the CAD system to acquire technical drawing skills and an understanding of industrial standards. Emphasis is placed on the use of computers and an understanding of CAD and its effects on the design and manufacturing process. This class is taught primarily on computers and has been a favorite of many students in the past. Solid modeling as well as 2 dimensional drawings will be used.

Credit: 1/2 unit

Prerequisite: Technical Drawing (20 weeks)

Examination: Local

Architectural Drawing

In this course, students will learn many of the aspects of what goes into the design and building of a house. Students are encouraged to use creativity in their designs while keeping structures functional. Some modeling is included, but mostly hands-on drawings are completed. Architectural programs are used to design and create models on the computer. It's here that students have an environment to bring together problem solving and creativity, which many enjoy.

Credit: 1/2 unit

Prerequisite: Technical Drawing

Examination: Local

Basic Electronics

Electronics seem to be a part of everything we use. Basic electricity/electronics allows the student to explore low voltage and line voltage circuits through demonstration, experimentation, and project building. Students will learn how to use the tools and equipment of electronics such as soldering, PC board construction, meter applications and readings, and hand tool use. Also some basic diagnostic/troubleshooting techniques will be explored. Safety is a priority in all that we do. There will be a lab fee for some the projects to be constructed during this course. This is a practical and enjoyable class, students love it.

Credit: 1/2 unit

Examination: Local

FINGER LAKES TECHNICAL AND CAREER CENTER

An extensive number of technical and career courses are available at the Finger Lakes Technical and Career Center, a division of Wayne Finger Lakes BOCES. Technical education gives students a head start on their college career and/or preparation for a job after graduation. Students in their junior and senior years may elect to enroll in a technical program. Technical programs offer students the opportunity to earn four high school credits per year. A complete description of all technical and career programs is available in the guidance office.

Technical and Career Courses to be offered in the 2009 - 2010 school year are listed below:

Agriculture Careers

Animal Science
Conservation
Horticulture/Plant Science

Transportation Careers

Auto Body Repair
Auto Technology
Diesel Equipment Maintenance & Repair

Computers/

Communication Careers

Advertising Design & Production
Drafting/CAD
Information Systems Technology
Network Technician

Construction/

Fabrication Careers

Carpentry
Electrical Trades
Metal Trades

Services Industry Careers

Cosmetology
Criminal Justice
Culinary Arts
Early Childhood Education
Health Dimensions

New Vision/ Career Exploration

New Vision Engineering
New Vision Medical
Unique Careers
