

**FABIUS POMPEY**

**HIGH SCHOOL**

**COURSE**

**DESCRIPTION**

**HANDBOOK**

**2005**

*THIS COURSE HANDBOOK IS DESIGNED TO BE A COMPREHENSIVE LISTING OF COURSES OFFERED AT THE HIGH SCHOOL LEVEL. NOT ALL COURSES WILL BE OFFERED EVERY YEAR, BASED ON SUCH FACTORS AS ENROLLMENT AND SEQUENCING OF COURSES (EVERY OTHER YEAR OFFERINGS).*

**FOR COLLEGE PREPARATION:**  
STUDENTS AND PARENTS ARE REMINDED THAT THE DEVELOPMENT OF A STRONG COLLEGE PREPARATORY TRACK INCLUDES 4-5 HIGH SCHOOL CREDITS IN EACH OF THE CORE AREAS (ENGLISH, SOCIAL STUDIES, MATH, SCIENCE, AND FOREIGN LANGUAGE) AND

COURSEWORK IN A VARIETY OF ELECTIVE  
AREAS.

GRADUATION REQUIREMENTS

- ALL STUDENTS MUST PASS A MINIMUM OF 22 CREDITS TO GRADUATE INCLUDING THESE:

ENGLISH – 4, SOCIAL STUDIES – 4, MATH – 3,  
SCIENCE – 3, FOREIGN LANGUAGE – 1, FINE ARTS – 1,  
HEALTH – ½, PE – 2

*(For the graduation classes of 2006, 2007, and 2008)*

- ALL STUDENTS MUST PASS THESE REGENTS EXAMS WITH A SCORE OF 55 OR ABOVE TO

GRADUATE: *(scores of 55-64 on any of these 5 exams will result in a local diploma being awarded)*

ELA 11 (ENGLISH)

SOCIAL STUDIES 10

SOCIAL STUDIES 11

MATH A

ONE SCIENCE *(to include a living environment regents)*

- FOR A REGENTS DIPLOMA, ALL OF THE ABOVE REGENTS EXAMS MUST BE PASSED WITH A SCORE OF 65 OR HIGHER.

- ***FOR AN ADVANCED REGENTS DIPLOMA, ALL OF THE ABOVE REGENTS EXAMS MUST BE PASSED WITH A SCORE OF 65 OR HIGHER, AS WELL AS THE REGENTS EXAMS IN MATH B AND FOREIGN LANGUAGE.***

### **NEW REQUIREMENTS AS OF FALL, 2005**

- ***STUDENTS BEGINNING THEIR FRESHMAN YEAR IN SEPTEMBER OF 2005 MUST PASS AT LEAST 2 OF THE 5 REQUIRED REGENTS EXAMS WITH A 65 OR HIGHER. THE REMAINING 3 MAY BE PASSED WITH A 55 OR HIGHER FOR A LOCAL DIPLOMA.***
- ***STUDENTS BEGINNING THEIR FRESHMAN YEAR IN SEPTEMBER OF 2006 MUST PASS AT LEAST 3 OF THE 5 REQUIRED REGENTS EXAMS WITH A 65 OR HIGHER. THE REMAINING 2 MAY BE PASSED WITH A 55 OR HIGHER FOR A LOCAL DIPLOMA.***
- ***STUDENTS BEGINNING THEIR FRESHMAN YEAR IN SEPTEMBER OF 2007 MUST PASS AT LEAST 4 OF THE 5 REQUIRED REGENTS EXAMS WITH A 65 OR HIGHER. THE REMAINING 1 MAY BE PASSED WITH A 55 OR HIGHER FOR A LOCAL DIPLOMA.***
- ***STUDENTS BEGINNING THEIR FRESHMAN YEAR IN SEPTMEBER OF 2008 MUST PASS ALL 5 OF THE REQUIRED REGENTS EXAMS WITH A 65 OR HIGHER IN ORDER TO GRADUATE, WHICH WILL RESULT IN A REGENTS DIPLOMA.***

- *REQUIREMENTS FOR THE ADVANCED REGENTS DIPLOMA REMAIN THE SAME AS STATED ABOVE.*
- *STUDENTS WITH DISABILITIES WILL CONTINUE TO HAVE THE OPTION (through the year 2010) OF MEETING THE REGENTS EXAM REQUIREMENTS BY ACHIEVING A 55 ON THE REGENTS EXAMS OR BY PASSING THE RCT IN THAT SUBJECT.*

### ENGLISH

#### ENGLISH 9

English 9 is designed to expand a student's understanding of literature, including both classics and modern selections in the various genres. This course also stresses the continued improvement of writing skills with special emphasis on organization and development.

#### ENGLISH 10

This course is a continuation of the skills developed in English 9. Writing skills will continue to be a focus, as well as vocabulary and literature. Students will be expected to improve their skills in preparation for the 11<sup>th</sup> grade Regents.

#### ENGLISH 10 HONORS

English 10H is intended for students with excellent reading and writing skills, who are motivated to complete a more rigorous course of study. This course includes extensive literature study, and students will be expected to do more reading outside of class. Writing assignments will be more sophisticated, grammar study will progress at a faster pace to a more advanced level, and vocabulary units will be more challenging.

#### ENGLISH 11

English 11 is primarily a survey of American Literature, which focuses on the NYS standards, with writing assignments designed to parallel the NYS English Language Arts (ELA) Regents exam taken in June.

#### ENGLISH 11 HONORS

English 11H is designed to enrich the English 11 Regents curriculum, and will focus on American Literature with emphasis on critical analysis. This more challenging course will prepare students to take AP English 12 in their senior year. All students will complete the ELA Regents exam in June.

#### ENGLISH 12

English 12 explores literary types and themes, concentrating on the novel and drama. The course also continues with the basic principles of critical writing. Included are literature based essays and analytical investigations designed to improve students' literary perception and writing styles.

#### ENGLISH 12 AP (ADVANCED PLACEMENT)

This course is intended for motivated students with a history of excellence in English Language Arts. AP focuses on advanced literature and emphasizes the skill of critical reading and writing. AP students are required to take the AP Examination in Literature and Composition in May and may receive college credit.

*PUBLIC SPEAKING (1/2 yr, open to 10-12)*

This course is designed to increase a student's confidence when speaking to an audience and will stress speaking skills such as eye contact, poise, expression and gesture. The final presentation will be a researched persuasive speech. This course is highly recommended by colleges.

**SOCIAL STUDIES**

*GLOBAL HISTORY AND GEOGRAPHY 9*

This course offers the first half of the required 2-year curriculum in Global History and Geography. Units include Early Civilizations, Empires of the Ancient World, Regional Civilizations and Early Modern Times. Students complete a final exam – the Regents is *not* taken until the second year (10<sup>th</sup> grade) of the curriculum.

*GLOBAL HISTORY AND GEOGRAPHY 10*

This course offers the second half of the required 2-year curriculum in Global History and Geography. Units cover, in chronological order, the Enlightenment through present day. Students complete the Regents exam in June.

*UNITED STATES HISTORY AND GOVERNMENT 11*

This is the study of American History and Government from the Revolution to the present. There are two major emphasis; 1) the political, economic and cultural history of the nation and 2) the study of our government and the Constitution. Students complete a Regents exam in June.

*UNITED STATES HISTORY AND GOVERNMENT 11 HONORS*

This course curriculum parallels the Regents course, but adds intensive levels of reading and critical writing. Similar to an upper level college course, this course requires extensive outside work, with classroom time for discussion and debate. Students complete a Regents exam in June and may take a CLEP exam for college credit.

*PARTICIPATION IN GOVERNMENT (PIG)*

This one-semester course is one-half of the 12<sup>th</sup> grade requirement in Social Studies 12. It emphasizes the interaction between citizens and their government. Student participation is encouraged throughout the semester on such topics as voting, political parties, interest groups, and the influence of the media.

*PARTICIPATION IN GOVERNMENT (PIG) HONORS (commonly called "Street Law")*

This one semester course is the honors level of the PIG requirement for Social Studies 12. It is co-taught by law students from the Syracuse University Law School, and focuses on the United States government and the American legal system. Class participation is an important part of the course.

*ECONOMICS*

This one semester course is one half of the Social Studies 12 requirement for graduation. It is the study of the American economy and how it operates. It includes studying the stock market, the Federal

Reserve System and every day economic topics such as keeping a checkbook, applying for credit and purchasing insurance.

### *ECONOMICS HONORS*

This one semester course is the honors level of the Economics requirement for Social Studies. It is more in-depth than the regents economics and uses a college level textbook. Both microeconomics and macroeconomics are discussed.

### *LOCAL GOVERNMENT (grades 11, 12)*

This half-year elective features a series of speakers drawn from many government agencies, including local political leaders, business leaders, and state and federal employees. Past speakers have included the Onondaga County District Attorney, senators, an FBI agent, and more. Students are expected to participate in question and answer sessions. This course does **not** meet the Social Studies 12 requirement in Government.

### *WORLD WAR II (grades 11, 12)*

This half-year elective examines various causes of the conflict, leaders of the Allied and Axis powers, significant battles fought in both theatres, and the use of the atomic bomb. In addition, there will be studies of the Holocaust, the use of propaganda, the American home front and the Nuremberg trials. A project will take the place of a final exam.

### *IMPORTANT WOMEN IN HISTORY (grades 11,12)*

This half-year course studies the lives of women who have impacted American history. Included are such figures as Molly Pitcher in The Revolutionary War and present day leaders such as Eileen Collins, recent pilot of the space shuttle. Readings and class presentations will comprise the majority of the grading.

### *AMERICAN HISTORY THROUGH THE MOVIES (grades 11,12)*

This half-year course is a study of history using the movies of the period as a reflection of the time and place. Critical evaluations as well as historical research of the topics will serve as evaluation tools.

### *PSYCHOLOGY (grades 11,12)*

This half-year elective covers human behavior and mental processes. Through discussion, participation, and research, students will learn a variety of topics including adolescent and developmental psychology, personality, intelligence, and abnormal psychology.

### *SOCIOLOGY (grades 11, 12)*

This half-year elective covers some of the main topics of sociology, including the structure of the family unit, and the influences that have shaped different societies throughout periods in history.

### CIVIL WAR (grade 12)

This half-year elective will study the causes of the Civil War as well as the major battles and the Reconstruction.

### TRIAL PRACTICES (grades 9-12)

This half-year course includes basic knowledge utilized by a defense or prosecuting attorney at trial. Students will participate in 4 to 5 trials each semester.

## MATH

### MATH A

This is the first in a series of 3 courses (Math A, Math AB, and Math B) which follow a college preparatory track. Math A is primarily algebra, with exposure to geometry, trigonometry, and probability. Students take a final exam (*not* a Regents) in June.

### MATH AB

This is second in the series of college preparatory math courses. Math AB finishes the “A” curriculum in January of the year, and students take the Math A Regents exam at that time. The course then begins the study of Math B, which includes geometry, algebraic fractions, statistics, logic, linear and quadratic functions, graphing, and probability. Students take a final exam in June.

### MATH B

This is third in the series of college preparatory math courses. Math B topics include proofs, circle relationships, complex numbers, quadratics, and linear, logarithmic, exponential and trigonometric functions and their graphs. Also included are probability and standard deviation. Students complete a Math B Regents exam in June.

### MATH A1

This course is the first of a two-year, extended study of the Math A curriculum. Topics include those of Math A. Students take a final exam in June (the Math A regents exam is *not* taken until the end of Math A2).

### MATH A2

This is the second course in a two year extended study of the Math A curriculum. Students complete the Math A regents exam in June.

### MATH B1

This course is the first of a two-year, extended study of the Math B curriculum. Topics include those of Math B. Students take a final exam in June (the Math B regents exam is *not* taken until the end of Math B2).

### MATH B2

This is the second course in a two-year, extended study of the Math B curriculum. Students take the Math B regents exam in June.

### MATH 12 (Precalculus)

The course includes topics in algebra, trigonometry, logarithms, and functions. It also introduces vectors, matrices, polar coordinates, and parametric equations.

### SUPA CALCULUS (Syracuse Univ. Project Advance)

This is a 4 credit hour, college calculus taught in conjunction with Syracuse University. It is the culminating course for accelerated math students.

## SCIENCE

### LIVING ENVIRONMENT (Biology)

This 9<sup>th</sup> grade science course includes such topics as characteristics of living things, cell structure and function, cell processes, viruses, bacteria and disease and human systems. Students take a regents exam in June.

### EARTH SCIENCE

This laboratory course is offered to tenth graders and accelerated 8<sup>th</sup> grade students, and covers topics in geology, meteorology, astronomy, and environmental studies. Students take a regents exam in June.

### CHEMISTRY

This is an upper level lab science course and includes the study of the composition, structure and properties of matter. Also, students will study the changes that matter goes through and the energy that accompanies those changes. The periodic table of elements is used and students learn how to balance chemical equations. A regents is taken in June.

### PHYSICS

This is an upper level lab science course; and topics include motion, forces, energy, electricity, sound, light, and the nature of the atom. Students take a regents exam in June.

### CONCEPTUAL PHYSICS

This is a non-regents course, which covers such topics as motion, forces, electricity, sound and light with an emphasis on hands-on work and conceptual understanding. Students complete a final exam in June.

### ADVANCED PLACEMENT BIOLOGY (AP)

This is one of the culminating science courses for accelerated students and is the equivalent of a college introductory course taken by freshmen Biology majors. The course is rigorous, with an extensive and in-depth reading component, and advanced level lab work. Students are required to take the AP exam in May which may result in college credit being awarded.

### ADVANCED PLACEMENT PHYSICS (AP)

This is a demanding, college level physics course, which will carry an in-depth reading component, and advanced level lab techniques. Students are required to take the AP exam in May which may result in college credit. This course is open to seniors as an alternate to Regents Physics or AP Biology, and to accelerated juniors. This course may be taken after Regents Physics for credit.

### GLOBAL ENVIRONMENTAL SCIENCE

This upper level, half credit science course is offered through the College of Environmental Science and Forestry (ESF) and offers ESF college credit. Topics include a variety of environmental science issues, and their implications worldwide. This is not a lab course, and does not replace a college preparatory science course.

### HEALTH

This is the required ½ unit of Health required at the high school level for graduation. State mandated topics include units on Tobacco, Alcohol, other drugs, HIV, AIDS, Parenting, Mental Health, Stress Management, and Chronic Disease.

## FOREIGN LANGUAGE

### SPANISH 8 (included here due to high school credit bearing status)

This beginning level course is an accelerated curriculum, which covers the mandated 2 units of study for foreign language in order to take the proficiency exam. Students who pass the class *and* the proficiency test in June, will earn one high school credit. This credit meets the minimum graduation requirement. Students who earn a score of 85 in *both* the class and on the proficiency exam in June may proceed to Spanish II. Students who fail either the class or the proficiency exam will be required to take and pass Spanish I in 9<sup>th</sup> grade in order to earn the required credit.

### SPANISH I / FRENCH I

This course covers topics of vocabulary, verb endings, nouns/pronouns, and other basic parts of speech for the language. Successful completion of this course meets the mandatory one credit requirement for graduation. Students may take a proficiency exam in June.

### SPANISH II / FRENCH II

This course builds on the vocabulary and oral skills attained in the level I course. More advanced grammar, sentence structure, verb tenses and idiomatic expressions are emphasized.

### SPANISH III / FRENCH III

The emphasis of this course is to develop oral and written proficiency in the language, and to provide preparation for the NYS regents exam taken in June.

### COLLEGE SPANISH 1 / COLLEGE FRENCH 1

This elective follows the syllabus for SUNY Oswego for Intermediate Spanish/French. The course reviews basic grammar, and introduces more complex structures in reading and composition. All classroom communication is done in the language. It is 3 college credit hours.

### COLLEGE SPANISH 2 / COLLEGE FRENCH 2

This course is a continuation of the College level I course, offered through SUNY Oswego. This is also worth 3 college credit hours.

## BUSINESS

### CAREER & FINANCIAL MANAGEMENT

This half-year course provides students with common skills and knowledge for the workplace, home and personal life. Time is spent on career exploration, which includes personal assessments and matching of skill with careers. Other topics include credit, bank accounts, human resource skills and payroll.

### WORD PROCESSING

This half-year course is designed to develop alphabetical and numerical proficiency on a computer needed for personal and business use. Introduction to formats for various business documents are also included.

### ACCOUNTING

This class is a must for those students considering a possible career in business/accounting. Students will learn the fundamentals of accounting by studying financial statements, payroll state and federal taxes and banking procedures. Computers are used for maintaining automated accounting records.

### ADVANCED ACCOUNTING

This course is an extension of the Accounting course, with additional topics of partnership, corporation and departmentalized accounting procedures.

### BUSINESS LAW

This course will help the student understand the legal applications in our daily lives from selling a car to entering into a marital agreement. Topics also include ethics, fraud, warranties, obligations in buying and selling, credit card usage, and insurance and leasing.

### SPORTS MARKETING

This half-year course offers insight into the concepts of retail sales and promotional marketing strategies practiced by some of today professional sports organizations.

### PERSONAL FINANCE

This half-year course offers a survey of the concepts of financial investments, personal financial options, stock market information, and savings opportunities. Students will learn how to manage their money at any stage of their lives.

### E-COMMERCE

This half-year course introduces students to the basic functions of sales and marketing, business aspects of e-commerce using the Internet, auction technology, architectural design, and how to create a global market place for the 21<sup>st</sup> century.

### ENTREPRENEURSHIP

This half-year course focuses on helping the students recognize business opportunities, the steps in starting a business, and the operations and maintenance of that business. It will cover such topics as accounting, finance, marketing, and management.

### GOVERNMENT AND BUSINESS

**This half-year course meets the ½ year requirement for Social Studies 12 in government.** It will promote student understanding of the relationships between government and business. Students will understand the interactions between government and business on an individual and business basis.

### BUSINESS ECONOMICS

**This half-year course meets the ½ year requirement for Social Studies 12 in economics.** Students will learn a logical way of thinking about economic matters through graphic representations, computer simulations, and online research and reporting.

### MATH & FINANCIAL APPLICATIONS

**This course meets the third year course requirement in mathematics required for graduation.** This course is designed to prepare students for 1) college level business programs and 2) understanding the complex financial world. Topics will include payroll, annuities, investment, financial statement analysis, U.S. currency, etc.

## FINE ARTS

### STUDIO ART

This is an exploratory, introductory course in the visual arts concentrating on the elements of art and the principles of design. Students will use many media such as pencil, pastel, charcoals, watercolor, acrylic, clay, etc. Evaluation will include weekly sketchbooks. This course is a prerequisite for the Advanced Art, Photography and Sculpture classes.

### ADVANCED ART II - IV

This course is designed to further explore the elements of art and the principles of design. Students will be expected to develop assigned projects and a weekly sketchbook on an independent basis. Students will need to use time outside of the classroom to complete projects.

### PHOTOGRAPHY I AND II

These two half-year courses, combined, provide a full year of introductory photography, including basic black and white techniques, film developing film, enlarging. This course carries a cost of approximately \$150 for supplies, and students are expected to spend time outside of the classroom shooting and developing film.

### ADVANCED SCULPTURE

This course is an advanced course in the techniques of sculpture, design, and artistic presentation. Students will be expected to work independently on individually designed projects.

### BAND

The advanced instrumental ensemble performs modern, orchestral and solo works at a difficult level. Weekly lessons are a requirement for participation.

### CHORUS

This is a vocal performing ensemble designed to foster singing, creative and performing skills. Weekly voice lessons are required for participation.

### MUSIC THEORY

This is an independent study course taken by students who are concurrently enrolled in band and/or chorus. It includes literature on the historical perspective of music, as well as specific research topics. This is a recommended course for students planning to major in music.

## TECHNOLOGY

### TECHNICAL DRAWING (TD) / DRAWING AND DESIGN FOR PRODUCTION (DDP)

These two courses taken together meet the one credit fine arts requirement required for graduation.

This basic course provides the students with a working knowledge of 2-D and 3-D graphic representation. This course is recommended for students interested in possible careers in engineering, draftsmanship, architecture, interior design, carpentry, and more.

### DIGITAL PHOTOGRAPHY

This half-year course is computer based, as students learn to design and manipulate photographs. Time is given for students to develop individual projects.

### ADVANCED WOODWORKING

This is an upper level course open to students who are pursuing advanced work in the concepts of design, carpentry, and construction. TD and DDP are prerequisites for this course.

### COMPUTER AIDED DRAWING AND DESIGN (CADD)

This half-year course is designed to introduce students to the computer applications used to generate orthographic drawings, isometric drawings, and a variety of architectural concepts. This course is usually offered on an every other year basis.