

Table of Contents

	Page
Graduation Requirements	2
College Offerings	3
Art	4
Business	9
English	20
Foreign Language	31
Health	39
Math	40
Music	47
Physical Education	52
Science	53
Social Studies	61
Technology	68

GRADUATION REQUIREMENTS

REQUIRED COURSES:

English.....	4 units	Art/Music.....	1 unit
Social Studies.....	4 units	Health.....	½ unit
Science.....	3 units	Physical Education.....	2 units
Mathematics	3 units	Language other than English	1 unit

22 Credits Are Required for Graduation

Regents exam requirements

For students entering 9th grade in 2005-06: General education students must have at least two scores at 65 or above on the five Regents exams and all scores at 55 or above.

For students entering 9th grade in 2006-07: General education students must have at least three scores at 65 or above on the five Regents exams and all scores at 55 or above.

For students entering 9th grade in 2007-08: General education students must have at least four scores at 65 or above on the five Regents exams and all scores at 55 or above.

For students entering 9th grade in 2008-09 and after: General education students must pass all five scores at 65 or above.

Regents Diploma Requirements:

To qualify for a Regents Diploma, students must pass the following Regents Exams with a 65 or better:

- A. Regents Comprehensive Exam in English (typically 11th grade)
- B. Global History and Geography
- C. U.S. History and Government
- D. Math A or Integrated Algebra Regents Exam
- E. One Regents Exam in Science

Advanced Regents Requirements:

To earn a Regents diploma with an advanced designation a student must complete, in addition to the requirements for a Regents diploma:

- A. Math B **or** the Geometry **AND** Algebra 2/Trigonometry Regents Exam.
- B. One additional Regents examination in science, for a total of two Regents examinations, with at least one in life science and at least one in physical science, and
- C. Two additional units in a language other than English for a total of three units and the Regents comprehensive assessment in the language. Students may choose to complete a 5 unit sequence in career and technical education or the arts in place of the 2 additional units in a language other than English.

To Earn a Regents Diploma with Honors:

To earn honors designation, a student must achieve an average of 90 percent on the Regents exams in English 11, Global History, U.S. History and all Regents exams in the honors area.

College Credit Opportunities at Paul V. Moore High School

Course Title	Sponsoring College/Agency	College Credits	H.S. Credits	▲Tuition Required	Tuition Cost	Book Cost	Instructor	Distance Learning	Prerequisites
AP Chemistry	College Board	*	1	No	**	\$20	High School	No	Yes
AP Biology	College Board	*	1	No	**	No	High School	No	Yes
AP World History *****	College Board	*	1	No	**	No	High School	No	Yes
AP US History	College Board	*	1	No	**	No	High School	No	Yes
AP Govern. & Politics	College Board	*	1	No	**	No	High School	No	Yes
AP Lit & Comp *****	College Board	*	1	No	**	No	High School	No	Yes
College Physics	OCC PHY 103	4	1	No	Approx. \$150	\$15	High School	No	Yes
College Psychology	OCC PSY 103	3	No	Yes	Approx. \$150	\$100- \$150	College	Yes	No
College Sociology	OCC SOC 103	3	No	Yes	Approx. \$150	\$100- \$150	College	Yes	No
Coll. Financial Accounting	OCC BUS 105	3	1	No	Approx. \$150	No	High School	No	Yes
College Business Law	OCC BUS 243	3	½	No	Approx. \$150	No	High School	No	Yes
Col. Contemp. Business	OCC BUS 101	3	½	No	Approx. \$150	No	High School	No	No
Math of Business & Finance	OCC BUS 102	3	1	No	Approx. \$150	No	High School	No	Yes
CAD Drawing II	OCC MET 261	3	1	No	Approx. \$150	No	High School	No	Yes
Pre-Calculus	OCC Math 143	4	1	No, but suggested	Approx. \$200	No	High School	No	Yes
Marking Concepts 2	Cayuga CC BUS 204	3	1	No	None	No	High School	No	Yes
Math 115	Onondaga CC Math 115	3	1	No	None	No	High School	No	Yes
College Calculus	Syracuse Math 295	4	1	No	\$440	No	High School	No	Yes
College Forensic Science	Syracuse Chemistry 113	4	1	No, but suggested	\$440	No	High School	No	Yes
Global ESF Environment	SUNY ESF EFB 120	3	1	No, but suggested	\$175	No	High School	No	Yes

- * College credit may be awarded based on the results of the Advance Placement Exam.
- ** Advance Placement Exam cost approximately \$90 per test.
- *** The text is provided and students purchase the lab books.

4/9/2010

ART

FULL YEAR COURSES

Studio in Art
Drawing & Painting
Advanced Drawing & Painting
Advanced Ceramics
Advanced Photography
Art Portfolio
Yearbook

HALF YEAR COURSES

Intro Ceramics
Intro Photography
Jewelry I
Jewelry II & III
Sculpture I
Sculpture II & III
Graphic Arts I
Graphic Arts II

ART PORTFOLIO

Weeks: 40

Credit: 1

Prerequisites: Studio in Art - Art major planning on attending college for further art study.

Course Description: Portfolio is an advanced course where senior art majors prepare their final portfolio. Course work is centered on rounding out individual portfolios. The class consists of studio exploration of many different types of media.

Homework Frequency: As needed

Supplies Students Provide: Portfolio, palette with lid, pencil, basic acrylic set.

Technology Used: Computer, digital cameras, scanners, printers.

Exams and/or Evaluations: Individual critiques, studio work.

YEARBOOK

Weeks: 40

Credit: 1

Prerequisites: Intro Photo or Graphics I

Course Description: Yearbook is an intense course where the goal is to produce the PVM yearbook. The Talon is a result of the research, writing and photography done by this class. All elements of the book are created and put together by these students: layout, cover and the many areas that make up our school that need to be documented. Students will be required to write, photograph and use Adobe Photoshop to layout a quality yearbook that encompasses the Paul V. Moore experience.

Homework Frequency: Daily

Supplies Students Provide: Having your own digital camera is helpful, but not required.

Technology Used: Computers, digital cameras

Exams and/or Evaluations: Each layout is graded using a rubric that evaluates each section of the two-page spread (writing, photos, layout, etc.).

Other: Advanced credit (Yearbook II, III) is available subject to instructor approval where the student demonstrates advanced skills and assumes greater responsibility.

INTRO CERAMICS

Weeks: 20

Credit: ½

Prerequisites: None

Course Description: Introductory course in the art of hand building pottery. We will introduce the use of the potter's wheel. Design and craftsmanship will be emphasized on primarily individual pieces. Students will develop knowledge and use of ceramic vocabulary. Course covers pinch, coil, slab construction, and modular sculpture as well as glazing.

Homework Frequency: 1 paper to be completed outside of class.

Technology Used: Internet Research Project, computer used to gather reference material for projects.

Exams and/or Evaluations: Individual critiques, 2 mid-mark quizzes, final exam, and potter's wheel.

ADVANCED CERAMICS

Weeks: 40

Credit: 1

Prerequisites: Intro Ceramics

Course Description: Builds upon foundation knowledge and skills introduced in Intro Ceramics. Intensive practice on the potter's wheel is alternated with individualized, creative hand-built pieces. Students will become more familiar with kiln operation and the firing process.

Homework Frequency: As needed.

Technology Used: Internet

Exams and/or Evaluations: Studio work, group and individual critiques, paper & project proposals with each assignment and a final exam.

STUDIO IN ART

Weeks: 40

Credit: 1

Prerequisites: None

Course Description: Studio in Art is an introductory course centered on the elements and principles of design. It allows student to experience a variety of media, and to work 2 and 3 dimensionally. It provides opportunities to learn use and care of tools. Gives a chance for students to analyze, discuss and evaluate their own work as well as classmates. Gives students a working vocabulary and basic knowledge of skills to successfully continue on in other courses. This class is recommend prior to taking other art offerings.

Homework Frequency: As needed

Supplies Students Provide: Portfolio and pencil.

Technology Used: Computers and digital cameras.

Exams and/or Evaluations: Exam every six weeks on notes, critiques and self evaluation.

DRAWING & PAINTING

Weeks: 40

Credit: 1

Prerequisites: Studio in Art

Course Description: This course offers an introduction to basic skills in drawing and painting to build a solid foundation that will enable students to develop self-confidence in both areas. The course will concentrate on teaching students to accurately represent what their eyes see, develop composition skills and increase their understanding of color theory.

Homework Frequency: As needed

Supplies Students Provide: Portfolio, drawing pencils, kneaded eraser, white eraser

Technology Used: Computer and digital cameras

Exams and/or Evaluations: Class assignments and oral critiques

ADVANCED DRAWING & PAINTING

Weeks: 40

Credit: 1

Prerequisites: Drawing & Painting

Course Description: This course will continue to build upon the foundation that was laid in Drawing and Painting. With the basic skills that have been developed, students will now be able to further develop their compositions, their observational drawing and to build upon their painting knowledge. This class is a more in depth study of 2d art

Homework Frequency: As needed

Supplies Students Provide: Portfolio, drawing pencils, kneaded eraser, white eraser

Technology Used: Computer and digital camera

Exams and/or Evaluations: Class assignments, written and oral critiques

JEWELRY I

Weeks: 20

Credit: ½

Prerequisites: None

Course Description: Jewelry I is a beginning course in the design and creation of jewelry. Emphasis is placed on creative design, the use and care of materials and tools, and the basic techniques of construction. Projects center around metal-smithing and precise craftsmanship.

Homework Frequency: As needed.

Supplies Students Provide: No. 2 pencil.

Course Cost: Blades, Optional purchase of sterling silver

Exams and/or Evaluations: Evaluation consists of studio work, final project and a self-evaluation.

JEWELRY II

Weeks: 20

Credit: ½

Prerequisites: Jewelry I

Course Description: Jewelry II is a course in advanced design and creation of jewelry. Projects presented involve a continued exploration of materials and metal-smithing techniques suitable for the self-motivated jewelry student. Assignments will emphasize creative design and excellent craftsmanship.

Jewelry III allows students to take their previous knowledge to a higher level. This is for the serious art student.

Homework Frequency: As needed.

Course Cost: Blades, optional purchase of sterling silver

Exams and/or Evaluations: Evaluation consists of studio work and a final project.

SCULPTURE I

Weeks: 20

Credit: ½

Prerequisites: None

Course Description: Sculpture I is the study of the basic principles of design in three-dimensional art and their relationship to sculptured media as it is used in creating realistic and abstract sculpture. Course provides the student with the ability to use their imagination to create original ideas using the elements of design, principles in sculpture and the language of sculpture. Problems will be presented in: construction, soft sculpture, wire/metal techniques, additive method, and subtractive method.

Homework Frequency: As needed

Course Fee: \$10.00

Technology Used: Computer lab.

Exams and/or Evaluations: Written critiques, evaluations on exercises, sculpture assignment, and a short paper.

SCULPTURE II

Weeks: 20

Credit: ½

Prerequisites: Sculpture I

Course Description: Sculpture II is an advanced study of the principles of design in 3-dimensional art and their relationship to sculpted media as it is used in creating realistic and abstract sculpture. This course will provide the student with the ability to use their imagination to further create original ideas that were introduced in Sculpture I.

Sculpture III allows students to build upon previously learned knowledge to explore 3d art further in a more advanced way.

Homework Frequency: As needed.

Supplies Students Provide: Notebook, \$10.00 course fee.

Technology Used: Computer lab, digital camera

Exams and/or Evaluations: Group critiques, written critiques, research paper, exams, evaluations of exercises and sculpture assignments.

INTRO PHOTOGRAPHY

Weeks: 20

Credit: ½

Prerequisites: Studio in Art

Course Description: This course is designed to develop creative awareness by using the 35-mm camera as an art tool. Students will learn basic darkroom operations, how to develop film, the care and handling of cameras, techniques in picture taking, making enlargements, and a variety of special effects in photography. Additionally, students will be introduced to digital darkroom and the software program Photo Shop. Art emphasis will be continually placed on composition, lighting, and expression.

Homework Frequency: Weekly

Course Cost: \$20 Lab fee for film.

Supplies Students Provide: Film, photo paper (\$20). A 35 mm Camera is recommended.

Technology Used: Digital cameras, computers, scanners, and conventional 35-mm cameras.

Exams and/or Evaluations: Evaluation consists of project grading, and critiques.

ADVANCED PHOTOGRAPHY

Weeks: 40

Credit: 1

Prerequisites: Intro Photo

Course Description: Having acquired a solid understanding of camera operations, darkroom techniques, and a basic understanding of digital photography/printing; students will now strive to advance these skills. Course projects will be designed with great emphasis placed on advancing the student's aesthetic awareness/composition as it applies to both film base and digital image creation. Upon completion of Advanced Photography students will have the tools needed to succeed in the world of visual communication.

Homework Frequency: Weekly

Course Cost: \$20 per semester lab fee.

Supplies Students Provide: Photographic paper. A 35 mm Camera is recommended.

Technology Used: Computers, flatbed/negative scanners, printers, digital cameras, and 35 mm cameras.

Exams and/or Evaluations: Evaluation consists of project grading, critiques and final portfolio.

GRAPHIC ARTS

Weeks: 20

Credit: ½

Prerequisites: None

Course Description: Graphic Art is a course where students will explore digital drawing, painting, commercial design & manipulation through the Adobe Creative Suite. Students will develop mastery of basic Photoshop and Illustrator skills. Students will also strengthen their skills of design. This could be used as either an Art or Technology sequence credit.

Homework Frequency: As needed

Supplies Students Provide: A 3 ring binder & \$20.00 lab Fee

Technology Used: Computers, digital cameras, scanners, printers

Exams and/or Evaluations: Class Assignments, self- reflections and graphic portfolio

GRAPHIC ARTS II

Weeks: 20

Credit: ½

Prerequisites: Graphic Art 1

Course Description: Graphic Arts II is an advanced study of digital drawing, painting & manipulation through the Adobe Creative Suite. Students will master advance Photoshop and Illustrator skills. Students will create more in-depth and complicated works of art.

Homework Frequency: As needed

Supplies Students Provide: 3 ring binder & \$20.00 lab fee.

Technology Used: Computers, digital cameras, scanners, printers

Exams and/or Evaluations: Class Assignments, self- reflections and a final graphic portfolio

BUSINESS

FULL YEAR COURSES

Accounting I

Business Investigation and Computer Usage (BICU)

Business Ownership and Development

Career and Financial Management

**Financial Accounting (Can be used for third math credit – After successful completion of Algebra and Geometry Regents)

Marketing Concepts

**College Marketing

**Mathematics of Business and Finance – (Can be used for third math credit – After successful completion of Algebra and Geometry Regents)

Microsoft Suite Applications

Sports and Entertainment Marketing

HALF YEAR COURSES

**Business Law

College Preparation

**Contemporary Business

Introduction to Computer Programming

Personal Keyboarding

Smartmoney 101

Visual Advertising

Web Design

Career Exploration Internship Program

**Can opt for college credit

ACCOUNTING I

Weeks: 40

Credit: 1

Prerequisites: None

Course Objectives: This is a course designed to acquaint the student with general business activities and practices as well as debit and credit double entry bookkeeping procedures. The complete accounting cycle is covered: journalizing, posting, preparing the worksheet and financial statements, and adjusting and closing entries. The students will become familiar with the complete bookkeeping cycle and will be able to perform all the functions of a complete cycle that a bookkeeper does for a small business. This subject matter is further enhanced through the use of field trips, guest speakers, simulations, and computers (software and Internet). Students will learn about current accounting issues such as fraud and forensic accounting. Students will also learn how to prepare their own income tax return. This course is recommended for all college bound and business majors as well as those students seeking employment upon graduation. This course is required for students seeking the Career & Technical Education endorsement in Accounting & Finance.

Homework Frequency: Occasional

Supplies Students Provide: Calculator, pencil and pen, 3-ring binder, and loose-leaf paper.

Course Cost: None

Technology Used: Personal computers, variety of software programs, the Internet and a calculator.

Exams and/or Evaluation: Projects, unit exams, midterm, and final.

FINANCIAL ACCOUNTING

Course Can Be Used For 3rd Math Credit after passing Integrated Algebra and Geometry Regents Exams unless student is pursuing an advanced regents diploma

Weeks: 40

Prerequisites: Accounting I preferred but not mandatory.

Credit: *Dual credit offered:* 1 high school credit with Optional 3 college credits (OCC)

Course Objectives: This course is an introduction to accounting as a means of recording business activities. This course includes a study of the classification and recording of original business transactions, adjustment of erroneous accounts or entries, and the completion of accounting data into meaningful financial statements.

Homework Frequency: Weekly problems and assignments.

Supplies Students Provide: A notebook, calculator, and writing instrument.

Course Cost: Student may opt to also receive college credit through Onondaga Community College. Current cost (2009-2010) is \$150 for 3 credits; the amount is subject to change.

Technology Used: Personal computers, variety of software programs, and the Internet.

Exams and/or Evaluation: Chapter quizzes/exams, class work, midterm exam, and a final exam.

BUSINESS INVESTIGATION AND COMPUTER USAGE (BICU)

Weeks: 40

Credit: 1

Prerequisites: None – Recommended for every high School student regardless of future.
Excellent for 9th graders.

Course Objectives: What role does business play in America today? What is it like to own your own business? How do you promote a new video game hitting the market? How do you determine the newest clothing trends to sell in a store? What is it like to draw up a legal contract for a professional athlete? More than ever before, you need to understand the world of business. What happens in business will make a difference in your life. This course features careers in business that are available to you. Students will get a taste of accounting and finance, marketing and sales, entrepreneurship, human resources, business law and business communications. The business world has all types of jobs, and you'll learn about those jobs and the businesses that furnish employment to the millions of workers in the economy. This course will also serve as a background for other business courses you may want to take in high school and in college.

Integrated into this course will be computer usage. Proficiency in keyboarding is recognized today as an essential communication skill, making it relevant for all students. Reinforcement of proper keyboarding techniques will be taught in this class. Students will learn how to create basic business documents, such as memos and business letters and will apply them in different business situations. With the increased use of computers at educational institutions and in the workplace, a knowledge of computers has become a vital tool for everyone. Because of this, exposure to basic computer applications will be explored in this class as well. This course is required for students seeking the Career & Technical Education endorsement

Homework Frequency: Study for quizzes.

Supplies Students Provide: 2½ - 3 inch 3-ring binder, 16 tab dividers, index cards and writing instruments, 100 lined 3x5 index cards, and binder ring.

Course Cost: None, except the cost of supplies.

Technology Used: Personal computers, variety of software programs, and the Internet.

Exams and/or Evaluations: Class assignments and quizzes, projects, and final exam.

BUSINESS OWNERSHIP AND DEVELOPMENT

Weeks: 40

Credit: 1

Prerequisites: None

Course Objectives: **Learn how to establish and operate a business.** Students will learn the fundamentals of business ownership – human relations, global economics, maintaining financial records, developing advertising campaigns, purchasing and pricing, and creating a written business plan. Students will also operate their own “business” using a computer simulation. This course is required for students seeking the Career & Technical Education endorsement in Marketing & Entrepreneurship.

Homework Frequency: Minimal

Supplies Students Provide: 2” binder, loose leaf paper, 1” view binder.

Course Cost: None

Technology Used: Microsoft Office Suite (Word, Excel, PowerPoint, Publisher), Go Venture.

Exams and/or Evaluation: Unit Quizzes, Group Projects, Business Plan, and Final Exam

CAREER AND FINANCIAL MANAGEMENT

This course is recommended for all students.

Weeks: 40

Credit: 1

Prerequisites: None

Course Objectives: This course is required as part of every career and technical education (CTE) program including the five-unit CTE programs used as a substitution for the additional two units of foreign language needed for a Regents diploma with advanced designation.

The purpose of this course is to provide students with the opportunity to learn about the features of our economy, explore a variety of careers, learn the skills and competencies needed for success in the workplace, and begin to become financially literate. Students will be encouraged to begin or continue to develop a career plan at the commencement level, apply academic skills to solve real-world problems and become familiar with the universal foundation skills (SCANS skills) that are needed to become successful citizens, employers, and employees.

In addition, in this course students will learn about setting goals and becoming an informed consumer. The major financial topics covered are money management, financial security, credit management, resource management, and risk management. Items to be included within these topics are budgets and financial records, compensation, taxation, banking and financial services, saving, investing, credit, personal decision making, renting a residence, purchasing a home, buying and caring for a vehicle, and risk management/insurance.

Homework Frequency: Several times a week.

Supplies Students Provide: Notebook and a calculator.

Course Cost: None, except the cost of supplies.

Technology Used: Personal computers, variety of software programs, Internet, calculator, TV/VCR, and an overhead projector.

Exams and/or Evaluation: Projects, chapter quizzes and exams, participation, class work, homework, class presentations, career project.

MATHEMATICS OF BUSINESS AND FINANCE

Weeks: 40 **Prerequisites:** To receive math credit, students must have already passed the Integrated Algebra and Geometry Regents exams.

Credit: Dual credit offered -- 1 high school credit, Optional 3 college credits (OCC)

Use of Course for High School Math Credit: As outlined in the Commissioner's Regulations 100.5(a)(7)(iv), for students who have successfully passed the required Math A Regents examination and upon local educational approval, *this course may be used to fulfill one of the three units of mathematics required for graduation unless the student is pursuing an advanced regents diploma.*

Course Objectives: Knowledge of basic mathematics is absolutely essential for survival in today's world. Mathematics as a survival tool is implemented in almost every phase of personal and business life. How effectively one is able to use that important tool may determine how well one is able to prepare for the future, manage one's personal and business resources, and benefit from one's efforts as a consumer, worker, or businessperson. No one can escape the world of numbers we all live in; not the Chief Executive Officer of the world's largest corporation, the aerospace worker at NASA, or the high

school student working part-time. All citizens, no matter their occupation or educational level, must have a functional literacy in the basic principles and skills used to solve everyday mathematical problems.

Homework Frequency: Several times a week

Supplies Students Provide: Calculator, binder, writing instrument.

Course Cost: Student may opt to also receive college credit through Onondaga Community College. Current cost (2007 - 2008) is \$135 for 3 credits; the amount is subject to change.

Exams and/or Evaluation: Exams, class work, homework, and final exam.

MARKETING CONCEPTS (COMPETITIVE DECA)

Weeks: 40

Credit: 1

Prerequisites: None

Course Objectives: Students will develop skills in the areas of marketing and management that will be transferable from the classroom to the business world. These skills and competencies will also be needed for success in DECA's competitive events program at the regional, state and national levels. Throughout the year, students will explore career areas in marketing including but not limited to: Advertising, Entrepreneurship, Management, Public Relations, Selling and Merchandising.

Students will participate in various activities that will help strengthen their employability skills. Promotional DECA week activities provide practical application of marketing concepts learned in the classroom. Students will develop communication and presentation skills while preparing for their chosen competitive event. Students will also learn to be self-directed and motivated to complete marketing and management projects. Students will learn leadership and teamwork skills by effectively operating the school store. Participation in the class is crucial; there will be events outside of normal class time for students to attend. Student attendance at the Regional competition in January is required. The New York State Career Conference and International Career Development Conference are strongly recommended for those who qualify. In addition, there is also an Induction Ceremony in November, various community service opportunities and fundraising projects.

Homework Frequency: Occasional

Supplies Students Provide: DECA Membership Dues (approx \$30), 3 ring binder, and professional business attire for competitions.

Course Cost: None

Technology Used: IBM personal computers

Exams and/or Evaluations: Quizzes, projects, presentations, participation in various events and competitions

COLLEGE MARKETING

Weeks: 40

Credit: 1

Prerequisites: Must be a junior or senior; Marketing Concepts I or Contemporary Business required as a prerequisite.

Course Description: This course is designed for students who want to deepen their understanding in the areas of marketing and management. It will be based on a college level introduction to marketing curriculum. The course will explore both consumer and industrial markets, using product, distribution, pricing and promotional techniques as the basis for study. These skills and competencies will also be used through participation in DECA's competitive events at the regional, state and national levels.

Students will have the opportunity to work on leadership skills as they run or help campaign for local, regional and state DECA office positions. Communication and presentation skills will be a focus while students prepare for their chosen competitive event. Students will also learn to be self-directed and motivated to complete marketing and management projects. Student attendance at the Regional competition is required. The New York State Career Conference is required for those who qualify.

Homework Frequency: Daily

Supplies Students Provide: DECA Membership Dues (approx. \$30), 3 ring binder and 5 tabs

Course Cost: Student may opt to also receive 3 college credits through Cayuga Community College.

Technology Used: Microsoft Suite on personal computers.

Exams and/or Evaluations: Exams, projects, presentations and competitions, midterm and final exams.

PERSONAL KEYBOARDING

Weeks: 20

Credit: ½

Prerequisites: None

Course Objectives: This class teaches the practical skill of keyboarding needed in virtually every aspect of life. *ALL* students are encouraged to take this class! Students will be taught to properly key and format documents needed in high school, college, personal business correspondence, and life! Students will be taught how to produce a professional document from rough draft to finish. Some of the documents covered include: Resumes, Personal Business Letters, Research Papers/Reports, Tables, and more.

Homework Frequency: Study for quizzes, occasional review assignments

Supplies Students Provide: A 1½"-2" 3-ring binder, 10 divider tabs, and writing instruments.

Course Cost: None, other than supplies

Technology Used: Hardware: IBM/Dell desktop computers and laser printers.

Software: Microsoft Word and Mavis Beacon Teaches Typing.

Exams and/or Evaluations: Grades are based on class work, homework, performance observations, timed writing, and quizzes. A final exam is given.

MICROSOFT SUITE APPLICATIONS

Weeks: 40

Credit: 1

Prerequisites: Student **MUST** complete either Personal Keyboarding or BICU prior to taking course.

Course Objectives: This course introduces students to the Microsoft Office software applications that help students produce better school assignments and make students more marketable in the world of work. Students apply different computer applications to authentic problems in order to demonstrate how computers are used for personal and work-place purposes. Students will develop skills using **advance word processing, spreadsheets, databases, desktop publishing, and presentation applications**. The class activities, simulations, and projects will focus on skills that every computer user needs for proficiency in his/her personal and professional life. Students completing course are equipped to take the MOS certification exam in Word.

Homework Frequency: Work will be completed in the classroom.

Supplies Needed: A 2" 3-ring binder, tab dividers, and writing instruments.

Technology Used: Dell personal computers, variety of software programs, digital cameras, and scanners.

Exams and/or Evaluation: Objective and application quizzes/exams, class activities and simulations, student portfolio projects, and final exam.

SPORTS AND ENTERTAINMENT MARKETING

Weeks: 40

Credit: 1

Prerequisites: None

Course Objectives: Sports and entertainment play an important role in marketing. Athletes and entertainers play a prominent role in endorsing products and services. Marketing is the tool that has allowed the United States economy to be one of the most successful in the world. Sports and entertainment are important parts of our modern economy. Students will see that fans and companies spend billions of dollars each year on sports and that entertainment is one of the largest exports from the United States to the rest of the world.

Students enrolled in this course will embark on a step-by-step journey through the world of marketing. Areas to cover will include financing, pricing, promotion, distribution, and selling. They will encounter and learn about the key functions of marketing and how those functions are applied to sports and entertainment. This course will provide students with an interesting journey through the world of marketing in sports and entertainment. Guest speakers and field trips (i.e. Syracuse Crunch, Buffalo Bills) will be an integral part of this course.

Homework Frequency: Occasional projects.

Supplies Students Provide: Notebook and writing instruments.

Technology Used: Personal computers, variety of software programs, the Internet.

Exams and/or Evaluation: Marking period projects, chapter tests, midterm exam and/or project, final exam and/or final project.

CAREER EXPLORATION INTERNSHIP PROGRAM

Weeks: Not specific

Credit: Variable

Prerequisites: Only 11th and 12th graders.

Course Objectives: Students may earn ½ or 1 credit while exploring the tasks and responsibilities of their career choice.

Students are required to work along side of their work place supervisor for 54 hours (1/2 credit) or 108 hours (1 credit). The hours that students spend on the job site are determined by the student and supervisor and are arranged outside of the regular school day.

Students will also complete classroom assignments on a modified independent study system. Internship students meet in a classroom setting 1 hour per 4-day cycle.

Homework Frequency: Weekly

Supplies Students Provide: 1 ½” – 2” 3 ring binder, journal, writing instruments

Technology Used: Fax, computers, and technology used at work site.

Exams and/or Evaluations: Quizzes, classwork, homework, employer evaluations, journal entries, participation, career portfolio/project.

CONTEMPORARY BUSINESS (Fall Semester)

Weeks: 20 (Fall Semester)

Prerequisites: None

Credit: *Dual credit offered:* ½ high school credit with an optional 3 college credits (OCC)

Students must be in grade 11 or 12 in order to receive college credit.

Course Objectives: An introductory course to give the student an overview of the impact of business on society. The course is intended to aid the student in obtaining a clear understanding of the way in which business functions through the interrelationships of marketing, management, and finance.

This course is intended to enable the student to define business and how it functions within our economic system and explain the functions of management and how the different levels of management perform these functions. This class will help students to develop an “introductory level” marketing strategy incorporating the appropriate choice of target market, price, product, promotions and placement. Students will analyze the different sources of funds available to a business and the role of financial management. Students will explain the role of the law and government in the operations of business—past, present, as well as future trends.

Homework Frequency: Frequent reading assignments.

Supplies Students Provide: Notebook

Course Cost: Student may opt to also receive college credit through Onondaga Community College. Current cost (2009-2010) is \$150 for 3 college credits; the amount is subject to change.

Technology Used: Personal computers and the Internet when available.

Exams and/or Evaluations: Minimum of one quiz per chapter. Exams will cover multiple chapters. There will be additional projects, papers, presentations, and a final exam. No make-ups on exams, papers or projects permitted.

BUSINESS LAW **(Spring Semester)**

Weeks: 20 (Spring Semester)

Prerequisites: Students must be in grades 11 - 12.

Credit: *Dual credit offered:* ½ high school credit with an optional 3 College Credits (OCC) Students must be in grade 11 or 12 in order to receive college credit.

Course Description: Students completing this course will develop a respect for and an understanding of business law and law enforcement as it affects the students' personal, family, and professional pursuits. Students will be able to differentiate between civil and criminal wrongs, recognize the requirements of a valid contract, recognize various types of real property and types of ownership; identify the essentials of a negotiable instrument; understand employment contracts and conditions of employment; demonstrate knowledge of laws that protect debtors and creditors; and distinguish between the different types of insurance and coverage.

Homework Frequency: Students will be expected to read weekly assignments and complete any assignments not finished in class. A project is assigned for each unit of study.

Supplies Students Provide: 3-ring binder, paper, and writing instruments.

Course Cost: Student may opt to also receive college credit through Onondaga Community College. Current cost (2007 – 2008) is \$135 for 3 credits; the amount is subject to change.

Technology Used: Internet usage and some computer application programs.

Exams and/or Evaluations: Quizzes, exams, projects and a final exam.

COLLEGE PREPARATION

Weeks: 20

Credit: ½

Prerequisites: Must be a junior or senior. Senior (fall semester) and Junior (spring semester)

Course Objectives: It is necessary for students to understand and be able to complete the requirements for entrance into college, as well as to be prepared to meet the requirements of college life. The first part of this course will provide strategies for exploring college options and gaining entrance into college. Each student will begin to develop a portfolio. Included in the portfolio will be a personal college plan, which will include a checklist of college characteristics that will meet the students' needs, research of post-secondary educational options, and completion of a college admissions personal statement. Students will also learn test-taking tactics for college entrance assessments and will better understand the steps of the college admissions process. In addition, students will learn about the financial aid process and how to research for scholarship opportunities.

The second part of this course will address issues regarding college life. Students will learn effective transitioning techniques into college such as development of good study skills, discipline and goal setting, money management, as well as an understanding of academic, social and personal responsibilities.

Homework Frequency: Occasional

Supplies Students Provide: 3-ring binder, divider tabs, plastic cover sheets, writing instrument

Technology Used: Personal computers, variety of software programs and the Internet

Exams and/or Evaluations: College preparation assignments/projects, quizzes, college admissions essay, resume, and completion of portfolio.

VISUAL ADVERTISING

Weeks: 20

Credit: ½

Prerequisites: Grades 10 – 12

Course Description: Visual advertising focuses on the concepts and design strategies used to produce effective advertisements. Students will acquire a foundational knowledge of promotion and target marketing. Some of the topics to be covered will include: designing a variety of advertisements, such as company logos, television commercials, print ads, selecting and understanding the differences between advertising mediums, and developing a sales-promotion plan and promotional mix that will maximize a company's profits.

Visual advertising is a combination of classroom learning and technologies that will help students in understanding the importance of visual advertising for both profit and non-profit organizations.

Homework Frequency: Weekly, including long and short term projects

Supplies Students Provide: Notebook

Technology Used: Computer, digital camera, video, and a variety of software programs.

Exams and/or Evaluations: Exams, Quizzes, Projects

INTRODUCTION TO COMPUTER PROGRAMMING

Weeks: 20

Credit: ½

Prerequisites: Personal Keyboarding or BICU; Pass Integrated Algebra Regents

Course Objectives: This course introduces students to the basics of programming using Visual Basic.NET. Throughout the course, students will learn the basics of logic and design, while receiving an introduction to VB.NET. VB.NET is used to solve practical problems. It combines a graphical interface and programming code to make program development as rapid as possible. Two important advantages of this programming language include: it is object-oriented, and it has the ability to put applications on the Internet. In the course, students will learn concepts, use applications to support the theories, and then explore how VB.NET can be used in real-world object-oriented applications. Students will complete various exercises to help them develop programming skills and learn programming vocabulary.

Homework Frequency: Occasionally

Supplies Students Provide: 3-ring binder, writing instrument

Technology Used: Dell computers

Exams and/or Evaluations: Class exercises and reviews, Critical Thinking Reviews, tests, and projects

WEB DESIGN

Weeks: 20

Credit: ½

Prerequisites: Student must complete either Personal Keyboarding or BICU prior to taking course.

Course Objectives: Web page design skills have become a necessity in many careers in today's computer-oriented society. In every area of an organization, employees are asked to create, maintain, or contribute to departmental web sites on company Intranets. People create personal web sites about their families or interests, as part of a career search, or on almost any subject imaginable. Students completing this course will learn how to use web-editing software to create a personal or professional web site. They will be able to create professional-looking web pages with graphics, hyperlinks, colors, and multimedia clips.

Creating and maintaining professional-looking web pages involves careful planning, organization, and creativity, as well as technical skill. Access to scanners, digital cameras, and CD burners are also available to students. Throughout this course students will be able to see the correlation between classes they take in high school with the workplace skills needed in a high-tech job market.

Homework Frequency: Study for quizzes.

Supplies Students Provide: A floppy disk for digital camera, a 3-ring binder, pen and paper.

Technology Used: Dell personal computers, variety of software programs, digital cameras, scanners, and the Internet

Exams and/or Evaluation: Objective quizzes/exams, chapter reviews, class work activities, projects, and a final exam.

SMART MONEY 101

Weeks: 20

Credit: ½

Prerequisites: None

Course Objectives: Are you concerned about your financial future in light of the current economic crisis; then this course is for you.

The purpose of this course is to provide students with the opportunity to learn the financial skills and competencies needed for success in the workplace and in their personal lives. In this course students learn about setting goals and becoming an informed consumer. The major topics of this course will be money management, financial security, credit management, resource management, and risk management. Items to be covered are budgets and financial records, compensation, taxation, banking and financial services, saving, investing, credit, personal decision making, renting a residence, purchasing a home, buying and caring for a vehicle, and risk management/insurance. This course is designed for students who are unable to take Careers & Financial Management.

Homework Frequency: Occasionally

Supplies Students Provide: 3-ring binder, calculator

Technology Used: Personal computers, Microsoft programs, and the Internet

Exams and/or Evaluations: Class work, homework, article summaries, Internet research, projects, quizzes, and tests.

ENGLISH

English 9
English 10
English 11

English 9 Regents Advanced Honors
English 10 Regents Advanced Honors
AP Literature & Composition

ELECTIVES

Full Year

English 12
Film Studies
Knights and Other Heroes
Drama
Novels
Speech Communication
Project Advance English
Academic Intervention Services (AIS)

Half Year

Creative Writing I
Creative Writing II (spring)
English Composition

BOCES

English 11 BOCES (Pull-Out)
English 12 BOCES (Integrated)
English 12 BOCES (Pull-Out)

ENGLISH 9

Weeks: 40

Credit: 1

Prerequisites: None

Course Objectives:

1. Students will be reading, writing, listening, and speaking for information and understanding, literary response and expression, critical analysis and evaluation, and social interaction to meet the New York State Learning Standards.
2. The above goals will be met using some of the following literary materials and units:

<u>Monster</u>	<u>Twelve Angry Men</u>	<u>Snow Bound</u>
Poetry/Short Story	<u>Romeo and Juliet</u>	<u>No Promises in the Wind</u>
<u>Waiting for the Rain</u>	<u>Imitate the Tiger</u>	<u>Ransom</u>
3. Throughout the year students are reading independent reading titles both in and out of class and responding with journal entries and oral presentations.
4. A 6-8 page research paper will also be written in ninth grade.

Homework Frequency: Daily

Supplies Students Provide: Index cards, journal, binder with dividers, pen or pencil, computer storage space (see individual teacher supply lists).

Technology Used: Computers using the Internet, Microsoft word, Microsoft Power Point, digital camera, Smartboard, and virtual distance learning.

Exams and/or Evaluations: Three-part final exam modeled on 11th grade regents: 1 part each in January, May, and in June. Quizzes, journals, class participation, unit exams/projects, essays, and portfolios may also be used for evaluation.

ENGLISH 10

Weeks: 40

Credit: 1

Prerequisites: English 9

Course Objectives: To immerse students in reading, writing, listening and speaking activities and performance tasks to prepare to meet higher standards and to prepare for New York State required tests. To read both literature and independent reading from a variety of genres.

To incorporate awareness of life long learning skills practiced within the English classroom. To provide a link between English and the world of work through career search/research project.

Homework Frequency: Reading and writing regularly to support classroom efforts and projects. Reading required daily.

Supplies Students Provide: Notebooks, computer storage space, paper, pencils, pens, loose leaf papers, index cards, journals, binders with dividers and independent reading materials. Consult individual teacher supply lists.

Technology Used: Microsoft Word, Microsoft PowerPoint, ClarisWorks, digital camera, scanner, the Internet, Smartboard, and virtual distance learning.

Exams and/or Evaluations: Quizzes, unit tests, exam practice writing, large pieces of writing in a variety of genres, portfolios, research based pieces of writing, and oral presentations. Final exam modeled on 11th grade Regents. It is given in January and early June.

ENGLISH 9 REGENTS ADVANCED HONORS

Weeks: 40

Credit: 1

Course Objectives: To provide a challenging course of study for gifted Language Arts students with emphasis on coming of age in a challenging world. To read both classic and contemporary literature with an emphasis on becoming informed consumers of media. To develop vocabulary strength and to learn advanced reading strategies. To write in a variety of genres to better understand self and one's place in the world. To participate in community literacy efforts through out- of -class assignments and cooperative projects. Students will be scheduled to take the English Regents Exam at the end of English 10 Regents Advanced.

Homework Frequency: Daily

Supplies Students Provide: Notebooks, computer storage space, paper, pens and independent reading materials

Technology Used: Word processing programs, Power Point, Visual Communicator, digital camera, the Internet, Smartboard, and virtual distance learning.

Exams and/or Evaluations: Additional summer reading title, quizzes, unit tests, parallel state assessment tasks, research paper, oral presentations, writing pieces in several genres, final portfolio. Three-part final exam modeled on 11th grade regents: 1 part each in January, May, and in June.

JOURNALISM

Weeks: 40

Credits: 1

Prerequisites: None

Course Overview: To provide an opportunity for students to interview, research, write, edit, and publish 10 issues of the school newspaper, The Crimson Talon, which is posted on our school website. Students develop and design all aspects of the paper: layout, photography, captions, etc. Students will also work in conjunction with the newspaper club members to collaborate on articles to be published, to widen readership and to garner advertisements to support the paper.

Homework frequency: Daily

Supplies Students Provide: Normal classroom supplies

Technology Used: Adobe Professional, Microsoft Publisher and Microsoft Word

Exams and/or Evaluations: Monthly article publication, quizzes

ENGLISH 10 REGENTS ADVANCED HONORS

Weeks: 40

Credit: 1

Course Objectives: To provide a challenging course of study for gifted Language Arts students while providing a link between the fundamentals of Language Arts, their lives, and the work place. To read both classic and contemporary literature with an emphasis on developing cooperative, tolerant attitudes. To write in a variety of genres, styles and voice. To build community by requiring out-of-class assignments such as performance and publishing.

Homework Frequency: Daily

Supplies Students Provide: Notebooks, computer storage space, paper, pens independent reading materials

Technology Used: Word processing programs, Power Point, digital camera, the Internet, Smartboard, and virtual distance learning.

Exams and/or Evaluations: Quizzes, written pieces, projects, debate, performance, parallel state assessment tasks, research paper, portfolio, oral presentations and the English 11 Regents at the end of the course in June. An additional summer reading title is required.

ENGLISH 11

Weeks: 40

Credit: 1

Prerequisites: English 9 & 10

Course Objectives: Students will be required to read, write, listen, and speak for information and understanding, literary responses and expression. Students will also have to do critical analysis and evaluation and social interaction to meet New York's learning standards. Students will also be required to read both assigned and independent reading from a variety of genres. To pass the New York States English Regents exam, emphasis is on American literature and its development. Students must complete a critical analysis research paper.

Homework Frequency: Daily

Supplies Students Provide: Journal and a 3-ring binder with dividers, pens, pencils and paper.

Technology Used: Microsoft Word and the Internet.

Exams and/or Evaluations: Students will complete quizzes and tests, both objective and essay, projects, and the Regents Exam, research paper, independent readings and journal reflections.

ENGLISH 12

Crossing World Borders Through Literature

Weeks: 40

Credit: 1

Course Objectives: The course objectives are to cover all strands of English: reading, writing, listening, and speaking. Students will also be required to read a variety of World Literature pieces based on common themes. Students will have to examine characterization, theme, literary techniques, literary elements, etc. in a work of literature. Students will also have to reflect on a work of literature and recognize its significance to one's life. Students will write college admissions essays, creative works, resumes and cover letters.

Homework Frequency: Daily

Supplies Students Provide: A folder or a 3-ring binder, pen, pencil, paper and a journal.

Technology Used: Microsoft Word and power point.

Exams and/or Evaluations: Students will be required to complete: objective and short answer tests, quizzes, creative writing (short writings), projects with a combination of reading, writing, and speaking activities. Students will also have to perform oral presentations to the class and journal reflections.

KNIGHTS AND OTHER HEROS

Weeks: 40

Credit: 1

Prerequisites: Senior or qualified junior in good standing in English requirements

Course Objectives: The purpose of this course is to answer the questions: Do we need heroes? What social purpose do they serve? Do heroes reflect the society from which they come? How have heroes been represented historically? What do heroes teach us about how to cope with our own lives and with the world we live in? The course will use historical writings, fantasy, comic books, literature and other media such as newspaper and film. Students will read, take quizzes and unit tests, write essays, participate in projects and oral presentations and compile a portfolio. This is a **rigorous** upper level English class that requires **strong** reading, writing, and research skills and a **willingness to work independently**.

Homework Frequency: Daily

Supplies Students Provide: Pens, pencils, notebook, binder

Technology Used: Microsoft Word, technology needed to present a multi-media project

Exams and/or Evaluations: End of the year portfolio, quizzes, unit tests, essays, projects, oral presentations and class participation

FILM STUDIES

Weeks: 40

Credit: 1

Course Objectives: To provide an appreciation of film and the film industry as a technical medium. To provide basis of information necessary for students' critical appraisal of film. To define and identify terms exclusive to the visual medium of film and apply them to a given film. To identify and respond to film genre based on known characteristics. To develop and execute a film script into an edited film. This is a **rigorous** upper level English class that requires **strong** reading, writing, and research skills along with an interest in film and a **willingness to work independently**.

Homework Frequency: 2 - 3 times a week.

Supplies Students Provide: Videotape and a flash drive.

Technology Used: TV/DVD/VCR, Microsoft PowerPoint, and film editing program.

Exams and/or Evaluations: Students will be required to do critical analysis evaluations, group projects, a portfolio, a final film project and 2nd final portfolio.

TECHNICAL WRITING: READING, WRITING AND RACING

Weeks: 20

Credits: ½

Prerequisites: Senior

Course Overview: Students will be reading for information, analyzing data, willing to work in a group, and interested in motor sports. The course is a writing course that focuses on the technical documents, operational strategies and social skills related to running a motor-sports team. In this class, students will be divided into teams, and will read, write and present the paperwork and documentation necessary to keep their motor-sports team functioning successfully. The course will focus on team building, data assessment, documentation strategies and basic marketing.

Homework Frequency: Daily

Supplies Students Provide: Flash drive

Technology Used: Internet web sites. Microsoft Excel

Exams or Evaluations: Ongoing projects contributing to a Final Portfolio

AP LITERATURE AND COMPOSITION

Weeks: 40

Credit: 1 high school with the possibility of college credit

Prerequisites: English 10 Advanced or English 11

Course Objectives: This is an extremely demanding course that will challenge students through the close reading of selected texts, it will deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style, and themes as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. The course includes intensive study of representative works from various genres and periods, concentrating on works of recognized literary merit. Writing is an integral part of the AP English

Literature and Composition course and the exam. Writing assignments focus on the critical analysis of literature and include expository, analytical, and argumentative essays. Although critical analysis makes up the bulk of student writing for the course, well-constructed creative writing assignments may help students see from the inside how literature is written.

Homework Frequency: Daily

Course Cost: Payment of approximately \$90.00 for AP exam is due in the fall

Supplies Students Provide: pens, pencils, computer flash drive, 3 ring binder, notebook

Technology Used: word processing, flash drive

Exams and/or Evaluations: AP exam required

CREATIVE WRITING I

Weeks: 20

Credit: ½

Fall Semester

Course Objectives: Students may take this course for one-half unit of credit or combine it with Creative Writing (spring) for a whole unit of English 12 Credit. In this course, students will study and write poetry, children's literature, and short fiction. Several types of poetry will be introduced and presented as models. Students will then read and model children's literature before moving on to the creation of short fiction pieces. A portfolio is required, and student writing will be shared with class members through oral presentations. **This is a rigorous upper level English class that requires strong reading, writing, and research skills and a willingness to work independently.**

Homework Frequency: Daily

Supplies Students Provide: A 3-ring binder, marble composition book, several packets of loose-leaf paper, and a computer disk.

Technology Used: Computer

Exams and/or Evaluations: Final portfolio assessment, class participation by sharing and reading work in small and large groups and individual assignments.

CREATIVE WRITING II

Weeks: 20

Credit: ½

Spring Semester

Course Objective: Students may take this course as a follow-up to Creative Writing (fall) for a whole unit of English 12 credit, or separately for one-half an English credit. In this course, students will be exposed to creative non-fiction, play writing, and writing comedy sketches. Students will first write personal narratives, memoirs, autobiographical sketches, and then move on to writing a one-act play where the focus is on character and dialogue creation. Students then will focus on comedy writing in humorous sketches based on comedy modeled after contemporary comics. A portfolio is required, and student writing will be shared with class members through oral presentations. **This is a rigorous upper level English class that requires strong reading, writing, and research skills and a willingness to work independently.**

Homework Frequency: Daily

Supplies Students Provide: A 3-ring binder, marble composition book, several packets of loose-leaf paper, and a computer disk.

Technology Used: Computer

Exams and/or Evaluations: Final portfolio assessment, class participation by sharing and reading work in small and large groups and individual assignments.

NOVELS

Weeks: 40

Credit: 1

Prerequisites: Enjoys reading and discussion of novels.

Course Objectives: Apply literature in search for self-identification. Understand motives, aspirations and behavior of people in various settings. Understand how the meaning of a novel represents a view of and comments on life. Increase range of acquaintance with different types of novels. Students will write creative works, prepare oral presentations and read additional self-selected novels.

Novels will cover both classic and contemporary novels.

Homework Frequency: Daily reading, homework, and journals.

Supplies Students Provide: Journal and 3 ring binder.

Technology Used: Projects, Internet research and library research.

Exams and/or Evaluations: Unit exams, major projects, major presentations, quizzes, vocabulary development, major writing assignments and a final course exam.

DRAMA

Weeks: 40

Credit: 1

Course Objectives: Students will study the history of theater, types of plays and famous authors from selected periods of theater history, and write a research paper on the topic. In addition, they will study the body and the voice as theatrical tools and participate in a variety of activities and performances that demonstrate their skills using those tools. They will also study technical theater elements such as lighting, sound, make-up, and costuming and set design.

Homework Frequency: Variable depending upon unit.

Supplies Students Provide: Some costuming items, props, or set material.

Technology Used: TV/VCR

Exams and/or Evaluations: Students are required to attend and critique three theatrical productions throughout the semester. The critiques are to be included in a portfolio of semester work, which constitutes 25% of the third marking period. The final exam is a student driven performance of a one-act play using the techniques they have studied. This is a participation class and **attendance is critical to successfully completing the course.**

ENGLISH COMPOSTION

Weeks: 20

Credit: ½

Course Objectives: To learn the writing process, structures and conventions of argumentative compositions, and a research paper. To learn formal writing style. To improve the command of English mechanics. To improve writing style.

Homework Frequency: Daily

Supplies Students Provide: Three ring binder with dividers.

Technology Used: Library technology

Exams and/or Evaluations: Compositions, research paper if time allows, and a final exam (composition).

SPEECH COMMUNICATION

Weeks: 40

Credit: 1

Course Objectives: Students will define and recognize the benefits of speech communication in an environment that enhances the communication process. Students will be able to identify types of communication and skills that enhance the communication process through various speaking situations. In addition, the improvement of listening skills will be emphasized. Also college and job interviewing will be practiced to develop a degree of comfort in speaking situations. Furthermore, students will plan, rehearse, and deliver demonstrative, informative, and persuasive speeches. To provide suitable practice in development and presentation of the spoken word, the students will present speeches in the classrooms as well as public speeches outside of the classroom. To develop the ability to effectively critique a public speaking situation, students will critique classroom speeches in addition to public speeches.

Homework Frequency: Daily

Supplies Students Provide: See teacher's supply list.

Technology Used: Internet

Exams and/or Evaluations: Students will be required to do: class and public presentations, journals, outlines, tests, a portfolio, and a final exam.

ACADEMIC INTERVENTION SERVICES ENGLISH, LANGUAGE ARTS

Weeks: 20 –40

Credit: none

Course Objectives: To provide students with one-on –one assistance in meeting state standards working with individualized needs

Homework Frequency: none

Supplies Students Provide: paper, pen , pencil, notebook

Technology Used: Individualized computer programs

Exams and/or Evaluations: State assessment – ELA-11

ENGLISH 11 BOCES (Pull-Out)

Weeks: 40

Credit: 1

Prerequisites: English 10 and the student cannot fit English 11 into schedule

Course Objectives: The course objectives cover all the learning standards: reading, writing, listening, and speaking for information and understanding and literary response and expression. Students will also be expected to critically analyze several pieces of literature and socially interact to meet the standards. Students will read both assigned and independent pieces of literature from a variety of genres. Literary elements, figurative language, compare and contrast, author understanding, cause and effect, and other techniques and styles will be applied, synthesized, and evaluated by students in order to increase proficiency in the study of literature.

Homework Frequency: Daily

Supplies Students Provide: 3-ring binder, journal, pen/pencil, paper

Technology Used: Computers

Exams and/or Evaluations: Objective quizzes, analytical short and long-answer papers, essays, oral presentations, journal reflections and critical analysis papers and a final portfolio.

ENGLISH 12 BOCES (Pull-Out/Non-Integrated)

Weeks: 20

Credit: ½

Prerequisites: Counselor approval

Course Objectives: The course objectives cover all the learning standards: reading, writing, listening, and speaking. Students will be required to read a selection of literature as well as any relevant technical literature associated with their career and technical education program's course of study. Article analyses, author studies, writing technical manuals, product reviews, creative writing, independent and choice novel projects, literary techniques, literary elements, and oral presentations are examined and critiqued. Applications to students' career choice and/or college readiness are also integrated in all aspects of literary analyses.

Homework Frequency: Daily

Supplies Students Provide: 3-ring binder, journal, pen/pencil, and paper

Technology Used: Computers

Exams and/or Evaluations: Objective quizzes, analytical short and long-answer papers, essays, oral presentations, journal reflections and critical analysis papers and a final portfolio.

ENGLISH 12 BOCES (Integrated English)

Weeks: 40

Credit: 1

Prerequisites: Students must be enrolled in one of the following: Public Safety and Criminal Justice, Early Childhood Education II, Unique Ventures, Business Information Technology

Course Objectives: Integrated English 12 is a rigorous program of study aligned to the National and New York State English Language Arts Learning Standards to ensure students read, write, listen and speak in a variety of different settings to ensure success in both the English language arts and in the workplace. Students will complete article analyses, note-taking exercises, research papers, literature studies and analyses, journal entries and reflections, descriptive and creative writings, procedural and technical writing, oral presentations, and work together in groups.

Homework Frequency: Daily

Supplies Students Provide: 3-ring binder, journal, pen/pencil, paper

Technology Used: Computers

Exams and/or Evaluations: Objective quizzes, analytical short and long-answer papers, essays, oral presentations, journal reflections and critical analysis papers and a final portfolio.

FOREIGN LANGUAGE

American Sign Language I
American Sign Language II
American Sign Language III
American Sign Language IV

German II
German III
German IV
German V

French I
French II
French III
French IV

Spanish I
Spanish II
Spanish III
Spanish IV
Spanish V

AMERICAN SIGN LANGUAGE I

Weeks: 40

Credit: 1

Course Objectives: The students initially learn basic vocabulary and simple sentence structure, then work their way up to signing simple conversations and stories. Some of the topics covered are: Colors & numbers; food; family; clothing & nationalities; recreation & work activities; occupations; and calendar time. They engage in partner & whole group activities. Students learn vocabulary and skills to: give and ask for information; make request; give and ask for directions; identify, describe and talk about others; express feelings & opinions.

The cultural aspect of ASL includes learning about issues that affect deaf people, the history of ASL, and famous deaf people. Students also learn many culturally appropriate behaviors related to: rules for finger spelling; attention getting; conversation strategies; rules for meeting others; name signs; keeping each other informed; technology used by deaf people; cross-cultural communication; rules for identifying others. Other important cultural/grammatical concepts addressed are: non-manual behaviors; signer's perspective; spatial referencing; role shifting.

To be successful in this language, students must be strong visual learners. Information presented and practiced in sign only. ASL is not an auditory language. Students learn to write sentences in ASL using notes to indicate facial expressions, role shifting, and other non-manual behaviors.

Homework Frequency: Varies by instructor.

Supplies Students Provide: ASL dictionary (approx \$10-\$20)

Technology Used: Students must have access to TV/VCR/DVD player to complete homework.

Exams and/or Evaluations: Quizzes, tests, projects, and a final exam.

AMERICAN SIGN LANGUAGE II

Weeks: 40

Credit: 1

Prerequisites: ASL I

Course Objectives: Develop more advanced sentences and conversation skills. Units 11-12 talk about personality characteristics and physical characteristics. Talking about routines using specific time, days, weeks, and activities. Review of Units 7 - 12: physical descriptions; clothing; occupations; giving directions; extended family; opening and closing conversations; giving excuses; numbers – cardinal, ordinal, age, clock, money; requesting information; cultural issues including current news articles related to deafness and deaf culture; completing a project that incorporates sign concepts learned through the end of Unit 12. Units 13 & 16: things around the house and rooms in the house; locating things around the house; describing layout of house; using classifiers to represent and show the location of furniture and small objects; room arrangements, rearrangements and renovations; finger-spelling concepts; advanced use of classifiers to describe and identify typical and atypical real world objects; incorporating use of classifiers in storytelling; describing patterns and textures; telling what things are made of; food preparation; money numbers combining dollars and cents.

Homework Frequency: Varies by instructor.

Supplies Students Provide: ASL Dictionary.

Technology Used: Students must have access to a TV/VCR/DVD player to complete homework.

Exams and/or Evaluations: Vocabulary, conversation quiz, culture and grammar quiz for each unit. Unit test for each unit. Final exam.

AMERICAN SIGN LANGUAGE III

Weeks: 40

Credit: 1

Prerequisites: ASL II

Course Objectives: Develop high-level vocabulary, sentence structure and conversation skills. To be understood by a native user of ASL (American Sign Language). Review of concepts presented in level II. Units 14, 15, & 17: Illnesses & remedies; complaining, making suggestions and requests; recurring and continuous time signs; uninflected, recurring and continuous verbs; other medically related vocabulary: the ear and how it works; cochlear implants and the deaf community; exchanging personal information and talking about life events; using transitions and when clauses; telling an autobiography and biography; telling about unexpected changes; telling family history including nationalities; advanced number concepts, dates and addresses; countries; meeting others; house-parent's role; cultural stories; N, S, E, W; why people migrate; talking about weekend activities, trips, disrupted plans; weather/seasons, holidays and special events; giving opinions. Preparation for Regents Exam.

Homework Frequency: Varies by instructor

Supplies Students Provide: ASL dictionary

Technology Used: Students must have access to a TV/VCR/DVD to complete homework.

Exams and/or Evaluations: Vocabulary and conversation quiz, and grammar/culture quiz for each unit. Unit test for each unit and a Regents exam.

AMERICAN SIGN LANGUAGE IV

Weeks: 40

Credit: 1

Prerequisites: ASL I, II, III, and a passing grade on the Regents exam.

Course Objectives: Challenge students to use their ASL skills to complete 4 major and 2 minor projects. The teacher assigns the two minor projects and students choose the 4 major projects. The instructor must approve the 4 major projects. These projects may include, but are not limited to: writing a play in ALS word order, practicing & preparing all aspects leading to the performance of the play; developing lesson plans and teaching materials for 10 lessons at the elementary level and implementing those lessons; putting in ASL order, practicing and signing several songs for the Christmas concert or other live performance, job shadow 2 different ASL interpreters, write a report on the experience, and research and write a paper on interpreting and the Code of Ethics. The possibilities are endless. Students are encouraged to choose projects that are of interest to them and may apply to their future plans/career. At this level students also study advanced ASL vocabulary and Idioms as well as Deaf poetry and art.

Homework Frequency: Students set pace for projects.

Supplies Students Provide: ASL dictionary

Technology Used: ASL CD

Exams and/or Evaluations: Project grades make up most of grade. Students take weekly quiz on advanced vocabulary concepts and idioms.

FRENCH I

Weeks: 40

Credit: 1

Course Objectives: French I is an introductory course in which basic vocabulary and grammar are taught. A large portion of the course is spent developing listening and speaking skills. Students are introduced to the cultures of the French-speaking countries. By the end of the course, students should be able to communicate demonstrating basic socialization, the ability to ask and give information, expressing feelings, and the ability to persuade another to follow a different course of action.

Homework Frequency: Daily

Supplies Students Provide: Textbook, binder with dividers.

Technology Used: TV/VCR, audiotapes, and the overhead projector.

Exams and/or Evaluations: Homework, quizzes, unit exams, projects, and a final exam

FRENCH II

Weeks: 40

Credit: 1

Prerequisites: French 7 and 8 grades and passing score on state proficiency test, or French I

Course Objectives: French II is a full year course which is designed to prepare students for French III where the New York State Regents Examination is administered. Students learn extensions vocabulary and grammatical structures based upon the knowledge they have acquired in seventh and eighth grade French.

A good portion of classes is held in the target language, however grammatical points and explanations are often presented in English to facilitate students' comprehension of difficult subject matter. French II stresses the listening, speaking, comprehension, reading, and writing skills required to speak a foreign language. Students learn about the geography and culture of France.

Homework Frequency: Daily

Supplies Students Provide: Pen, paper, binder with dividers, and a highlighter.

Technology Used: TV/VCR, audiotapes and the overhead projector

Exams and/or Evaluations: Unit exams, quiz scores, homework, projects, oral presentations, and a final exam.

FRENCH III

Weeks: 40

Credit: 1

Prerequisites: French II

Course Objectives: French III is an advanced course in which synthesizing and reviewing previously learned material prepares students for the end of course Regents Exam. Students practice the skills of listening, reading, speaking, and writing in practical ways as they continue to learn about the cultures of the French speaking world.

Homework Frequency: Daily

Supplies Students Provide: Textbook, binder with dividers

Technology Used: Videocassettes, audiotapes, and the overhead projector.

Exams and/or Evaluations: Speaking, writing, listening and reading tests based on grammar and culture topics in the end of the year Regents.

FRENCH IV

Weeks: 40

Credit: 1

Prerequisites: French III

Course Objectives: French IV is a full year course and is designed for students who want to continue with a more in-depth study of French after the New York State Regents. Students continue to learn more extensive vocabulary, write longer pieces of writing, read longer pieces of literature, and learn more difficult grammatical structure based upon the knowledge they have acquired in earlier levels of their language study.

Classes are conducted in French. Occasionally, difficult grammatical and literary explanations will be done in English to facilitate comprehension. The course stresses speaking, reading, projects and writing. Approximately fifty percent of class time is spent speaking, while the remaining fifty is spent on reading and writing. Students will also complete a number of projects on topics such as famous authors, poets, & musicians; music, art and the history of France.

Homework Frequency: Varies by Instructor

Supplies Students Provide: Dictionary, pen, paper, notebook, and a highlighter.

Technology Used: Videocassettes, audiotapes, and the overhead projector.

Exams and/or Evaluations: Homework, projects, quizzes, exams, oral presentation, and a final exam

GERMAN II

Weeks: 40

Credit: 1

Prerequisites: German I, and have passed the Proficiency Examination.

Course Objectives: Each student will be able to write sentences and essays based upon the conventional grammar themes necessary for language usage. Each student will be able to explain the basic meaning for each reading passage in the books provided for instruction. Each student will be able to carry on a conversation with a partner or with a teacher using the necessary vocabulary as instructed at level II and inclusive of Level I Vocabulary. Each student will be able to understand the vocabulary and ideas presented by the teacher or by the teaching methods used in instruction. The student will be able to explain the ideas and vocabulary using his/her own words and thus demonstrate understanding. Participation in the annual German dinner is required.

Homework Frequency: Daily

Supplies Students Provide: 3-ring binder or folder, paper, and index cards. A German-English dictionary is optional.

Technology Used: TV/VCR, films, and an overhead projector.

Exams and/or Evaluations: A monthly examination with quizzes in between. Homework assignments are evaluated. Classroom evaluation is daily.

GERMAN III

Weeks: 40

Credit: 1

Prerequisites: German II

Course Objective: Each student will be able to speak, write and read German with an appropriate level of difficulty as determined by the teacher with increasing efficiency and fluency, by using the available educational materials. Each student will be able to interpret selected works of literature and reading selections as presented by the instructor. Students will demonstrate mastery of vocabulary by using them in sentences. Each student will demonstrate knowledge of culture by explaining factual concepts and information in Germany. Each student will be able to write and speak original sentences and paragraphs concerning daily themes and events, pertinent to the lives of American youth. Participation in the annual German dinner is required.

Homework Frequency: Daily

Supplies Students Provide: 3-ring binder or folder, paper, and index cards. A German-English dictionary is optional.

Technology Used: TV/VCR, films, overheads, and filmstrips.

Exams and/or Evaluations: Several exams per semester, daily classroom evaluation, New York State Regents.

GERMAN IV

Weeks: 40

Credit: 1

Prerequisites: German III

Course Objectives: German IV is an advanced level course, which focuses on applied language skills and is organized into thematic units. These units incorporate German history and prominent figures, current events, literature, and upper-level grammar. This class is highly conversational, but a large emphasis is also placed on reading and writing. Participation in the annual German dinner is required.

Homework Frequency: Daily

Supplies Students Provide: 3-ring binder or folder, paper, and index cards. A German-English dictionary is optional.

Technology Used: TV/VCR, overheads and some computer.

Exams and/or Evaluations: Take home examinations and classroom participation.

GERMAN V

Weeks: 40

Credit: 1

Prerequisites: German IV

Course Objectives: German is a continuation of the themes taught in German IV. This is an advanced level course, which focuses on applied language skills and is organized into thematic units. These units incorporate German history and prominent figures, current events, literature, and upper-level grammar. This class is highly conversational, but a large emphasis is also placed on reading and writing. Participation in the annual German dinner is required.

Homework Frequency: Daily

Supplies Students Provide: 3-ring binder, paper, and index cards. A German-English dictionary is optional.

Technology Used: TV/VCR, overheads and some computer.

Exams and/or Evaluations: Take home examinations and classroom participation.

SPANISH I

Weeks: 40

Credit: 1

Prerequisites: None

Course Objective: Spanish I is an introductory course in which basic vocabulary and grammar are taught. Students are introduced to the cultures of the Spanish speaking world and should express basic sentiments, needs and descriptions at the end of the course.

Homework Frequency: Varies by instructor

Supplies Students Provide: Varies by instructor.

Technology Used: Overhead projector, videocassettes, DVD's and compact discs.

Exams and/or Evaluations: Chapter tests, vocabulary quizzes, projects, and final exam.

SPANISH II

Weeks: 40

Credit: 1

Prerequisites: Spanish 7 and 8 grades and passing score on state proficiency test, or Spanish I

Course Objectives: The Spanish II classes will be continuing to develop student listening, speaking, reading, and writing skills in Spanish. Students will engage in grammar and vocabulary activities that will also have a role in communication development. Culture awareness will be increased as students have the opportunity to learn culture customs and practices that are different from their own.

Homework Frequency: Varies by instructor.

Supplies Students Provide: Varies by instructor.

Technology Used: Overhead, TV/VCR, DVD's, and compact discs.

Exams and/or Evaluations: Homework, projects, quizzes, exams, oral presentations and a final exam.

SPANISH III

Weeks: 40

Credit: 1

Prerequisites: Spanish II

Course Objectives: Spanish III is the last course needed to complete the Regents credit sequence. Students improve their listening, speaking, reading and writing ability in Spanish. They build on the foundation previously established and they learn the remaining verb tenses, grammar and vocabulary necessary for the successful completion of the Spanish Regents.

Homework Frequency: Varies by instructor

Supplies Students Provide: Varies by instructor

Technology Used: TV/VCR, overhead projector, compact discs, and DVD's.

Exams and/or Evaluations: Quizzes, unit exams, homework projects, and oral presentations. The final exam is the Spanish Regents.

SPANISH IV

Weeks: 40

Credit: 1

Prerequisites: Spanish III--must have passed the Spanish Regents and the course.

Course Objectives: Spanish IV is an advanced Spanish course that promotes an interest in Spanish literature, art history, and culture. Students read various literary selections from Spanish speaking countries. Students are expected to complete projects on a variety of topics. The students are also expected to review previously learned grammar topics, as well as, use new concepts in context.

Homework Frequency: Varies by instructor

Supplies Students Provide: Binder.

Technology Used: Computer and DVD's.

Exams and/or Evaluations: Quizzes, written reports, projects on various subjects, final exam, and class participation.

SPANISH V

Weeks: 40

Credit: 1

Prerequisites: Spanish IV

Course Objectives: Spanish V is an advanced Spanish course that continues to build on and enhance the speaking and grammar skills learned in Spanish IV. Spanish V students will continue to build their speaking and writing abilities with more advanced grammar concepts. Spanish V places a heavy emphasis on spoken communication for every day purposes. Students are expected to complete a variety of projects and assignments in Spanish. Students will continue to study cultural themes relative to Central America, South America, and the United States.

Homework Frequency: varies by instructor

Supplies Students Provide: binder

Technology Used: TV/VCR, computers (at home or in the library), DVD's.

Exams and/or Evaluations: quizzes, written reports, projects in varying subjects, final project and class participation

HEALTH

Weeks: 20

Credit: ½

Prerequisites: None

Course Objectives: The goal of this course is to provide students with the information necessary to make healthy decisions throughout their lives. From exercise and nutrition to drugs and sexuality, this course enables students to see that the decisions they make today could impact their lives substantially in the future. The focus of this course is to design individual goals. The achievement of these goals rests upon the ability to make decisions that will positively affect these goals. In addition, this course helps students to see that the choices we make in life are ultimately our own and thus we, as individuals need to accept the consequences that may come when those decisions are made. Lastly, students will analyze the influence of culture, media, technology and other outside factors in the decision making process.

Homework Frequency: Worksheets daily, 2-3 long-term projects including a four-hour community service requirement and paper.

Supplies Students Provide: Pen, 3 ring binder, folder

Course Cost: None

Technology Used: Students are also expected to use computers for word processing and Internet research. Also, students will be asked to select and review a variety of media sources in which health topics are discussed and analyzed.

Exams and/or Evaluations: Students will complete a variety of projects, class work/homework assignments, and participation. Exams will include unit tests consisting primarily of vocabulary as well as a written final exam and a course evaluation essay.

MATH

Fundamentals Algebra C
Fundamentals Algebra D
Consumer Finance – Fall
Personal Finance – Spring
Integrated Algebra
Fundamentals of Geometry
Geometry
Geometry 9

Bridges From Algebra to Geometry
Fundamentals Algebra 2 & Trigonometry
Algebra 2 & Trigonometry
Algebra 2 & Trigonometry 10
Math 115
Pre Calculus
Calculus
Academic Intervention Services - Math

FUNDAMENTALS OF ALGEBRA C

Last offering will be school year 2010-2011

Weeks: 20

Credit: ½

Prerequisites: Fundamental Algebra B

Course Objectives: Fundamental Algebra C is the third of four semester courses leading to the Integrated Algebra regents Examination, which is required for graduation. The goal of this course is to provide students with the knowledge and understanding of the mathematics necessary to function in a world very dependent upon the application of mathematics. The curriculum focuses on building a strong foundation. It is based on the Process Strands of Problem Solving, Reasoning and Proof, Communication, Connections and Representation. It highlights the Performance indicators found in the Content Strands of Number Sense and Operations, Monomials and Polynomials, Trigonometry, and Systems of Equations and Inequalities (Algebraically and Graphically).

Homework Frequency: Daily

Supplies Students Provide: Normal classroom supplies.

Technology Used: Scientific or graphing calculator (TI83/84 plus)

Exams and/or Evaluations: Tests, quizzes, homework, class-work, final exam.

FUNDAMENTALS OF ALGEBRA D

Last offering will be school year 2010-2011

Weeks: 20

Credit: $\frac{1}{2}$

Prerequisites: Fundamental Algebra C

Course Objectives: Fundamental Algebra D is the last of four semester courses leading to the Integrated Algebra regents Examination, which is required for graduation. The goal of this course is to provide students with the knowledge and understanding of the mathematics necessary to function in a world very dependent upon the application of mathematics. The curriculum focuses on building a strong foundation. It is based on the Process Strands of Problem Solving, Reasoning and Proof, Communication, Connections and Representation. It highlights the Performance indicators found in the Content Strands Algebraically Fractions, Quadratic Functions, Probability, and Statistics. Upon completion of Fundamental Algebra D, students will take the Integrated Algebra Regents Examination.

Homework Frequency: Daily

Supplies Students Provide: Normal classroom supplies.

Technology Used: Scientific or graphing calculator (TI83/84 plus)

Exams and/or Evaluations: Tests, quizzes, homework, class-work, final exam.

CONSUMER FINANCE ~ FALL

Weeks: 20

Credit: $\frac{1}{2}$

Prerequisites: 2 credits of Math and successful completion of the Integrated Algebra Regents exam.

Course Objectives: An extension of the Mathematics developed in previous courses, through problem solving situations. Topics that will be included are net wages, budgeting for food and other consumer goods, and saving/checking accounts.

Homework Frequency: Daily

Technology Used: Scientific or Graphing Calculator, videos, and computers.

Exams and/or Evaluations: Projects, Unit Exams, Final, Portfolio, Class work, Homework, and class presentations.

PERSONAL FINANCE ~ SPRING

Weeks: 20

Credit: ½

Prerequisites: 2 credits of Math and successful completion of the Integrated Algebra Regents exam. Consumer Finance ~ Fall is not a prerequisite for this class.

Course Objectives: This course will fulfill half of the third year math requirement for graduation. It is an independent semester course, not dependent upon completion of the fall semester course. Specifically, the curriculum is designed to accommodate students who are academically challenged and in need of real life math skills. Although not limited to, students may be IEP diploma candidates and/or RCT math eligible. Topics include Gross Income, Net Income, Record Keeping, Checking Accounts, Savings Accounts and Cash Purchases. These topics will prepare each student for the basic math challenges they will experience in the work place, home and community. Although not appropriate for college bound students, this may be applicable to some trade school or apprentice programs.

Homework Frequency: Daily

Technology Used: Scientific or Graphing Calculator, videos, and computers.

Exams and/or Evaluations: Projects, Unit Exams, Final, Portfolio, Class work, Homework, and class presentations.

INTEGRATED ALGEBRA

Weeks: 40

Credit: 1

Prerequisites: None

Course Objectives: Integrated Algebra is the first mathematics course in High School. It is a one year freshman level course. Students are expected to exhibit good daily work habits, be responsible learners, and be in regular attendance. The focal point of this course is the algebra content strand. This course will assist students in developing skills and processes to be applied using a variety of techniques to successfully solve problems in a variety of settings. Students taking this course are preparing for the NYS Integrated Algebra Regents Exam, and ultimately college entrance. The goal of this course is to provide students with the knowledge and understanding of the mathematics necessary to function in a world very dependent upon the application of mathematics. This curriculum uses Problem Solving, Reasoning and Proof, Communication, Connections, and Representations to highlight ways of acquiring and using the knowledge of Number Sense and Operations, Algebra, Geometry, Measurement, and Statistics and Probability, in order to develop Mathematical Proficiency

Homework Frequency: Daily

Supplies Students Provide: Normal classroom supplies.

Technology Used: Scientific calculator or graphing calculator

Exams and/or Evaluations: Tests, quizzes, homework, and class work.

GEOMETRY

Weeks: 40

Credit: 1

Prerequisites: Successful completion of Integrated Algebra Regents Examination. (Recommend an average of at least a 75%)

Course Objectives: *Geometry* is intended to be the second course in mathematics for high school students. Within this course, students will have the opportunity to make conjectures about geometric situations and prove in a variety of ways, both formal and informal, that their conclusion follows logically from their hypothesis. This course is meant to employ an integrated approach to the study of geometric relationships. Integrating synthetic, transformational, and coordinate approaches to geometry, students will justify geometric relationships and properties of geometric figures. This course will focus on the topics found in the Performance Indicators of Perpendicular and Parallel Lines, Quadrilaterals, Pythagorean theorem and Coordinate Proof, Ratio, Proportion and Similarity, Triangle Congruence, Locus, Transformations, Introducing Geometry and Coordinates, Geometric Inequalities, Geometry of the Circle, Volume and Surface Area, Triangles, Constructions, Proofs, Logic, and Quadratic Equations. The Geometry Regents Examination is taken upon completion of the Geometry course.

Homework Frequency: Daily

Supplies Students Provide: Normal classroom supplies.

Technology Used: Scientific or graphing calculator (TI83/84 plus)

Exams and/or Evaluations: Tests, quizzes, homework, class-work, final exam.

FUNDAMENTALS OF GEOMETRY

Weeks: 40

Credit: 1

Prerequisites: Successful completion of Integrated Algebra Regents Examination

Course Objectives: Fundamentals of Geometry is a foundational course intended for the student who may find the rigors and expectations of Geometry beyond the level of their current capabilities. The course will provide a solid basis for working with Coordinate Geometry as well as Informal and Formal Proofs. This course will use a pedagogy that uses the Process Strands of Problem Solving, Reasoning and Proof, Communication, Connections and Representation to build the necessary knowledge base to be successful in Geometry. Upon successful completion of this course, students may take the “Geometry” course. Fundamentals of Geometry culminates with a cumulative final exam.

Homework Frequency: Daily

Supplies Students Provide: Normal classroom supplies.

Technology Used: Scientific or graphing calculator (TI83/84 plus)

Exams and/or Evaluations: Tests, quizzes, homework, class-work, final exam.

BRIDGES FROM ALGEBRA TO GEOMETRY

Weeks: 40

Credit: 1

Prerequisites: Teacher Recommendation

Course Objectives: This course further develops the ability to apply fundamental algebra skills and processes to a variety of techniques to successfully solve problems in a variety of settings. Additionally, this course will provide a solid basis for working with coordinate geometry and the Geometry of angles. Upon successful completion of this course, students may take the “Geometry” course.

Homework Frequency: Daily

Supplies Students Provide: Normal classroom supplies

Technology: Scientific or * graphing calculator (TI 83/84 plus). *Graphing calculator is recommended.

Exams and/or Evaluation: Tests, quizzes, homework, class-work, final exam.

FUNDAMENTALS OF ALGEBRA 2 & TRIGONOMETRY

Weeks: 40

Credit: 1

Prerequisites: Integrated Algebra Regents and Fundamentals of Geometry (or Geometry)

Course Objectives: Fundamentals of Algebra 2 & Trigonometry is a foundational course intended for the student who may find the rigors and expectations of Algebra 2 & Trigonometry beyond the level of their current capabilities. The course will provide a solid basis for developing mathematical reasoning and problem solving abilities. Students will learn the fundamentals necessary to investigate, explore, discover, justify, explain, prove and apply their mathematical reasoning. Fundamentals of Algebra 2 & Trigonometry culminates with a cumulative final exam.

Homework Frequency: Daily

Supplies Students Provide: Normal classroom supplies.

Technology Used: Graphing calculator (TI83/84 plus)

Exams and/or Evaluations: Tests, quizzes, homework, class-work, final exam.

ALGEBRA 2 & TRIGONOMETRY

Weeks: 40

Credit: 1

Prerequisites: Successful completion of Integrated Algebra Regents and Geometry Regents (Recommend an average of at least 75%)

Course Objectives: Algebra 2 & Trigonometry is the third course in mathematics for high school students. Within this course, students will have the opportunity to Investigate/explore the following topics: Integers, Rational numbers, Real Numbers and Radicals, Relations and Functions, Quadratic Functions and Complex Numbers, Exponents, Logs, Trig Functions, Trig graphs, Trig Identities, Trig Equations, Trig Applications, Sequences and Series, 1 & 2 variable Statistics and Probability and Binomial Theorem. The Algebra 2 & Trigonometry Regents is taken upon completion of this course.

Homework Frequency: Daily

Supplies Students Provide: Normal classroom supplies.

Technology Used: Graphing calculator (TI83/84 plus)

Exams and/or Evaluations: Tests, quizzes, homework, class-work, Algebra 2 & Trigonometry regents Exam.

PRE CALCULUS

Weeks: 40

Credit: *Dual Enrollment:* 1 HS & 4 College (O.C.C.)

Prerequisites: Passed Algebra 2 & Trigonometry course and the Algebra 2 & Trigonometry Regents Exam.

Course Objectives: This course provides the opportunity and challenge for students in mathematics to perform at the college level. Students are eligible to earn 4 college credits. The course will better prepare students for a college experience while in high school. Topics include absolute value and quadratic inequalities, functions and their equations, use of matrices to solve linear systems, exponential and logarithmic functions and their applications, circular functions and their inverses, trigonometric identities and their equations, addition and multiple angle formulas, complex numbers, elementary theory of equations and binomial theorem.

Homework Frequency: Daily

Supplies Students Provide: TI-83 Plus Graphing Calculator – approx \$90 & normal classroom supplies.

Technology Used: Calculators.

Exams and/or Evaluations: Tests, quizzes, homework, class work, and projects.

MATH 115 – Modeling for Decision Making

Weeks: 40

Credit: *Dual Enrollment:* 1 HS & 3 Credits (O.C.C.)

Prerequisites: Algebra 2 & Trigonometry or Fundamentals of Algebra 2 & Trigonometry.

Course Objectives: The study of Linear systems, matrices, linear programming, mathematics of finance, counting procedures, sets probability, functions, and exponents. Good daily work habits, responsible and independent learner, average writing, problem solving, interpretation skills, and regular attendance.

Homework Frequency: Daily
Technology Used: Calculators and computers.

Supplies Students Provide: Graphing calculator (approximately \$90, check with the teacher for the recommended model). Normal classroom supplies.

Exams and/or Evaluations: Tests, quizzes, homework, class work, and final exam.

CALCULUS

Weeks: 40

Prerequisites: Pre Calculus

Credit: *Dual credit:* 1 high school credit with Optional 4 college credits (SU)

Course Objectives: The mathematical content of this program is typical of most traditional first-year college calculus courses. The concepts of limits, continuity, derivatives, anti-derivatives and definite integrals are developed. These are then applied to the traditional collection of functions, polynomials, rationals, trigonometry, exponentials, inverses, compositions, and algebraic combinations. Results are applied to a wide variety of problems from geometry, physics, and other sciences. Problems include maximum and minimum, related rates, areas, volumes and surfaces of revolution, arc length, work, fluid pressure, velocity and acceleration, and exponential growth and decay. Curve sketching is introduced at the very beginning and emphasized throughout. Graphing calculators are used regularly to explore numerous applications of the concepts.

Homework Frequency: Daily

Supplies Students Provide: TI-83 Plus or TI-84 Series Graphing Calculator (approximately \$90) and normal classroom supplies.

Course Cost: Student may opt to also receive 4 college credits through Syracuse University. See the instructor for current tuition costs.

Technology Used: Calculators.

Exams and/or Evaluations: Tests, quizzes, homework, and class work.

ACADEMIC INTERVENTION SERVICES

Weeks: 20

Credit: None

Prerequisites: Identified “at risk” of not meeting NYS math graduation mandate

Course Objectives: New York State Education Law requires school districts to provide academic intervention services to students who have been identified “at risk” of not meeting graduation requirements. AIS Math provides additional instruction that supplements the regular classroom instruction. The intensity of services may vary, but is designed to respond to the level of individual student needs. Students are assigned to classes that meet regularly 1 to 4 times per 4 day cycle throughout the semester. Students are evaluated at the end of each semester to determine needs. Instruction includes concentrated review, practice and drill, concepts and skills development, exam practice, test taking skill development, test preparation, and supplemental instruction.

Homework Frequency: None

Supplies Needed: Scientific calculator or a graphing calculator (preferred), check with teacher for recommended model. Normal classroom supplies.

Costs: Scientific Calculator approx. \$15.00, plus the cost of normal classroom supplies

Technology used: Scientific Calculators, computers, graphing calculators.

Exams and/or evaluations: Integrated Algebra Regents, computer assisted assessments, Math classroom teacher recommendations, AIS Math teacher recommendations, classroom performance, daily written work.

MUSIC

Concert Chorale
Chamber Singers
Symphonic Band
Concert Band
Wind Ensemble
Music in our Lives: Introductory Guitar and Keyboard
Music Theory
Music Theory II
Vocal Jazz Ensemble

CONCERT CHORALE

Weeks: 40

Credit: 1

Prerequisites: Open enrollment, primarily grades 9 and 10.

Course Objective: Ideal for students looking to gain an introduction to vocal and choral music at the high school level. Basic musicianship skills will be covered (music reading, music sight-singing) along with regular school performances and performances in the community. Repertoire covered will be of varied styles.

Homework Frequency: None

Supplies Students Provide: Pencils

Technology Used: Use of computers, software, and synthesizers as needed.

Exams and/or Evaluations: Evaluations based on class participation, vocal lessons, and a short quiz each marking period

CHAMBER SINGERS

Weeks: 40

Credit: 1

Prerequisites: Must have choral experience and/or audition with the instructor.

Course Objectives: Concert Chorale is designed to provide an opportunity to develop vocal technique, to learn and perform choral literature of varied styles and periods while nurturing an appreciation and enjoyment of vocal music. Performances are held throughout the year in and out of the school building.

Homework Frequency: None

Supplies Students Provide: Pencils

Technology Used: Some use of computers and synthesizers as needed.

Exams and/or Evaluations: Evaluations are based on class participation, vocal lessons, and a short quiz each marking period.

MUSIC IN OUR LIVES: Introductory Guitar & Keyboard

Weeks: 40

Credit: 1

Prerequisites: None

Course Objective: Students will have the opportunity to develop the knowledge and skills to play guitar and keyboard at a recreational level in both solo and ensemble formats. Students will master basic music notation reading on each instrument along with proper technique. Basic theory and appreciation concepts are integrated into the class.

The guitar will teach both classical and pick-style technique, ensemble playing and chords. The Keyboard unit will emphasize bass-chord accompaniment with melody playing.

Homework Frequency: Out of class practice is encouraged.

Supplies Students Provide: Notebook, pencils, computer disk, and music paper.

Technology Used: Various computer software and the keyboard.

Exams and/or Evaluations: Grades based on tests, listening assignments, notebooks and participation. Regular performance evaluations are on a sliding rubric scale.

SYMPHONIC BAND

Weeks: 40

Credit: 1

Prerequisites: Play a standard band musical instrument.

Course Objectives: The symphonic band is a high school entry-level band in which students will develop listening and performance skills as a follow-up to their middle school experience. The basics of music performance are emphasized and through the band experience students learn to perform music for concerts that include a Fall Concert, Winter Concert, Festival of Bands Concert, Cabaret Concert, and a Spring Concert. Through the Festival of Bands Concert all students will be able to experience the rewards of having a guest conductor to work with them in preparation for a concert. Various styles of band repertoire are rehearsed by various composers. Band music repertoire will include marches, pop and jazz style band arrangements for band, classic music, and standard band repertoire. Students are provided the opportunity to try-out for All-County and to prepare solos for festival. All students will be provided the opportunity to advance their level of performance through their band experience.

Homework Frequency: Students are expected to practice their instruments and attend lessons that are on a rotation schedule. Lessons are not intended to be another band music rehearsal but will be a time for students to work with the director and other students to develop their music skills such as playing better in tune, rhythmic accuracy, music reading and ensemble playing for example.

Supplies Students Provide: Appropriate supplies for playing their instrument.

Technology Used: Tuners, metronomes, synthesizers, and computers.

Exams and/or Evaluations: Four or five band concerts as scheduled per year. As per the handbook, all concerts are required performances. Lessons that are scheduled on a rotation basis in small group or ensemble fashion. Marking Period, Mid Year and End of the Year Playing Exams and band rehearsals.

CONCERT BAND

Weeks: 40

Credit: 1

Prerequisites: Play a standard band musical instrument and instructor recommendation.

Course Objectives: The Concert Band is made up of developing musicians who have demonstrated interest and ability in advancing their skill level as a band musician. Students can remain in Concert Band for several years through high school, since the music and rehearsal demands will be challenging, but will not deal with the level of music in which the Wind Ensemble performers will be expected to perform. The Concert Band will advance music skills as students will be expected to respond more sensitively to the demands of the music and the styles that are rehearsed. A more keen listening level and a better understanding and performance of the elements of music will occur as the elements are defined with a more careful regard to each instruments role in the band. The development of student's confidence in playing their instrument will be a goal of the Concert Band experience and musical selections will be chosen to expand the elements of music such as dynamics and tonality for example with careful attention to intonation and balance. Music performances will include the same requirements as the Symphonic Band and the Wind Ensemble in any given year. Various styles of band repertoire are rehearsed by various composers. Band music will include marches, pop and jazz style band arrangements for band, classic music and standard band repertoire. The level of music performed will be more advanced than the Symphonic Band. Students are encouraged to attend solo festival and to try out for All-County Band and NYSSMA. All students will be provided the opportunity to advance their level of performance through their band experience.

Homework Frequency: Students are expected to practice their instruments and attend lessons that are on a rotation schedule. Lessons are not intended to be another band music rehearsal but will be a time for students to work with the director and other students to develop their music skills such as playing better in tune, rhythmic accuracy, music reading and ensemble playing for example.

Supplies Students Provide: Appropriate supplies for playing their instrument.

Technology Used: Tuners, metronomes, synthesizers, and computers.

Exams and/or Evaluations: Four or five band concerts as scheduled per year. As per the handbook, all concerts are required performances. Lessons that are scheduled on a rotation basis in small group or ensemble fashion. Marking Period, Mid Year and End of the Year Playing Exams and band rehearsals.

WIND ENSEMBLE

Weeks: 40

Credit: 1

Prerequisites: Be in 10th grade or higher and meet the performance requirements of Wind Ensemble.

Course Objectives: The Wind Ensemble is designed to be an advanced placement ensemble for the students in the band program who are serious performers who have a desire to be challenged with serious music that will stretch the individual and group to the upper level of band literature and performance standards. Level 5 and Level 6 music will be the performance goal of the ensemble with the goal of the program being to perform at the festival level for NYSSMA. Students are challenged to prepare advanced

solos in preparation to attend NYSSMA events including All-State Festivals, All-County and Conference All-State. Musicianship skills are developed to a more advanced level that approaches the level of artistry for individuals and the ensemble. A variety of music styles by various composers will be explored as concerts are programmed. Repertoire will include marches, programmatic music, ballads, serious concert repertoire as well as lighter styles of music in order that students may be able to perform music of all types and genres. All students will be provided the opportunity to advance their level of performance through their band experience.

Homework Frequency: Students are expected to practice their instruments and attend lessons that are on a rotation schedule. Lessons are not intended to be another band music rehearsal but will be a time for students to work with the director and other students to develop their music skills such as playing better in tune, rhythmic accuracy, music reading and ensemble playing for example.

Supplies Students Provide: Appropriate supplies for playing their instrument.

Technology Used: Tuners, metronomes, synthesizers, and computers.

Exams and/or Evaluations: Four or five band concerts as scheduled per year. As per the handbook, all concerts are required performances. Lessons that are scheduled on a rotation basis in small group or ensemble fashion. Marking Period, Mid Year and End of the Year Playing Exams and band rehearsals.

MUSIC THEORY

Weeks: 40

Credit: 1

Prerequisites: None, however, students should obtain advise or recommendation of instructor if unsure.

Course Objectives: This course is designed to provide the student with the fundamentals of music theory, which includes the learning of major and minor scales, key signatures, chord construction, music intervals, cadences, and analysis of a wide variety of musical excerpts.

Homework Frequency: None

Supplies Students Provide: Pencils and music (staff) paper.

Technology Used: Computer and software.

Exams and/or Evaluations: They include class work and homework, quizzes, comprehensive mid-term and final as well as a project.

MUSIC THEORY II

Weeks: 40

Credit: 1

Prerequisites: Successful completion of Music Theory I. An entrance exam will be given at the beginning of the year to determine any areas of study that the student needs to address to successfully master the requirements of Music Theory II.

Course Objectives: The study of MUSIC THEORY II is a continuation of the concepts brought forth in Music Theory I, plus an in-depth study of music concepts of various music eras and music styles. Emphasis will be on mastering concepts through compositional and performance projects. Students in this course will be expected to achieve mastery in the following areas of study:

1. Modulation
2. Diminished Triads/Seventh Chords
with leading tone functions
3. Musical Form
4. Orchestration
5. Diatonic 7th Chords
6. Chromatic Chords:
Neapolitan 6th, Augmented Triad
7. Augmented 6th Chords
8. 9th, 11th, 13th Chords
9. Jazz and contemporary
harmonization and orchestration
10. Improvisation
11. Introduction to 20th century music

Provide: Notebook (loose leaf type), Pencils, Computer disc, & Music (staff) paper

TECHNOLOGY COMPONENT: The use of music technology is today an integral part of all areas of music. Students need to develop a basic foundation in the use of music technology. Most units of study will have a technology component as part of the unit. Students will maintain a log of their technology work.

Exams and/or Evaluations: Grades will be generated from the average of quizzes and assignments and/or projects given during the marking period.

Final grade will be calculated from the following percentages:

30% from all quarterly grades

35% from the comprehensive final

35% from the final project

KEYBOARD STUDY

Continuance of keyboard skills to enhance the student's mastery of the course material.

PLAYING FOR 100'S (APPLICATION)

Students are required to demonstrate mastery of course material by applying it to their "major" instrument. Students will have a set of application assignments each marking period and must adequately perform the assignments by the end of the marking period to avoid a reduction in their grade.

VOCAL JAZZ ENSEMBLE

Weeks: 40

Credit: 1

Prerequisites: Permission of instructor, experience in vocal music (necessarily in jazz).

Course Objectives:

1. To perform ensemble music in the jazz idiom.
2. Students will learn the stylistic components in performing vocal jazz music.
3. Students will learn the art of scat singing.
4. Students will learn a repertoire of performance level material to perform both in the school community and the community at large.
5. Students will also have the opportunity to prepare and perform Concert Chorale repertoire.
6. Participation in this ensemble will ensure eligibility for All-County and All-State opportunities

Homework Frequency: Practice of material outside the rehearsal is a must.

Supplies Students Provide: Black 1-inch binder. Pencils.

Technology Used: Computers used for practicing songs and vocal skills.

Exams and/or Evaluations: Performances are mandatory for grade. Students will be evaluated on musicianship skills.

PHYSICAL EDUCATION

Weeks: 40

Credit: ½

Prerequisites: None

Course Objectives: The high school curriculum is the culmination of all that the students have previously learned. The major emphasis at this level is developing a positive attitude toward health, fitness, and wellness giving the students a variety of indoor and outdoor activities including lifetime fitness, individual and team sports.

Homework: Those students who have a physician's medical excuse for an extended period of time will be required to complete written work in place of their activity for a grade. Those students assigned to a study hall during their medical release are required to check in periodically with their core teacher for assignments.

Supplies Students Provide: Students are expected to participate and change into appropriate attire for each class. This consists of shirt, shorts or pants, and sneakers. A lock and locker are issued to each student for storage of their clothes and valuables.

Course Cost: Some elective units will meet off campus and a small fee may apply. Before students choose their activities they will be informed of the possible fee.

Exams and/or Evaluations: Grades will be given at the end of each marking period. Grades will be based upon participation, preparation, attendance, written and skill evaluation.

SCIENCE

Academic Intervention Services (Science)
Environmental Science
Earth Science
Earth Science Advanced Honors
Fundamental Biology
Biology
Biology Advanced Honors
Applied Chemistry

Chemistry
AP Chemistry
Physics
College/Regents Physics
Geology: Earth's Fury I
Meteorology: Earth's Fury II
Project Advance Forensic Science
AP Biology
ESF Global Environment

ACADEMIC INTERVENTION SERVICES SCIENCE

Weeks: 20 – 40 **Credit:** none

Course Objectives: To provide students with one-on –one assistance in meeting state standards.

Homework Frequency: none

Supplies Students Provide: paper, pen , pencil, notebook

Technology Used: Individualized computer programs

Exams and/or Evaluations: State assessments (one of following) – Earth Science, Biology, Chemistry, or Physics Regents exam

ENVIRONMENTAL SCIENCE

Weeks: 40 **Credit:** 1

Prerequisites: Passing average in 8th grade science.

Course Objectives: Environmental Science explores interactions among living things, cycles in nature and ways we can protect and conserve our resources. Many hands-on lab experiences are provided. This course may serve as a preparatory course for Regents Biology or Earth Science.

Homework Frequency: Infrequently. Most work is completed in class.

Supplies Students Provide: Folder and a notebook.

Technology Used: Computers and various lab equipment.

Exams and/or Evaluations: Unit Exams, midterm exam, and a final exam.

FUNDAMENTAL BIOLOGY

Weeks: 40

Credit: 1

Prerequisites: Course is restricted to Environmental Science students only.

Course Objectives: Basic Biology is a full year course that meets the objectives of a regents Living Environment course in a simplified fashion. Students taking this course will develop an understanding of the basic fundamentals of biology with a specific focus on topics covered on the Living Environment Regents Exam.

Homework Frequency: as needed

Supplies Students Provide: Review Book

Exams and/or Evaluations: Chapter exams modeled after the Regents exam and the Living Environment Regents exam in June. Midterm Exam.

EARTH SCIENCE ADVANCED HONORS

Weeks: 40

Credit: 1

Prerequisites: None

Course Objectives: This course will encompass the basic foundations of Regents Earth Science but will also include additions to the curriculum based on higher thinking skills, science application and a long term research project. This course will also have a pre-biology emphasis focusing on environmental concerns and awareness.

Homework Frequency: 3 - 5 graded assignments/week (1 - 2 labs assignments and 2 - 3 homework assignments.)

Supplies Students Provide: Calculator, 3 ring binder and a review book.

Technology Used: Computer and the Internet

Exams and/or Evaluations: Tests, quizzes and assignments are used. Students are required to pass the Regents examination in Earth Science. Portfolios may also be used as an evaluation tool.

BIOLOGY ADVANCED HONORS

Weeks: 40

Credit: 1

Prerequisites: Earth Science.

Course Objectives: This course will emphasize the basic foundations of Biology but will also include additions to the curriculum based on higher thinking skills, application problems and scientific research.

Homework Frequency: 3-5 assignments per week.

Supplies Students Provide: Calculator, notebook, binder, and a review book.

Technology Used: Computers, various lab equipment

Exams and/or Evaluations: Research projects, chapter/unit tests and quizzes, homework and lab activities. Midterm exam. Students will take the Living Environment Regents in June.

AP CHEMISTRY

Weeks: 40

Credit: 1

Prerequisites: Seniors only. Earth Science, Biology is required. Chemistry is strongly recommended. A minimum average of 90 in the current Science course and on a minimum of 90 on all past Science Regents exams is required. A minimum of 80 on all Past Math Regents exams is required. Algebra 2/Trigonometry can be taken concurrently. This is a rigorous upper level science class that requires strong math skills and a willingness to study independently.

Course Objectives: AP Chemistry is a one-year college survey course looking at all important topics in Chemistry including an emphasis on chemical calculations and the mathematical formulation of principles.

Homework Frequency: Daily

Supplies Students Provide: Calculator, notebook, binder, and a review book.

Technology Used: Computers and lab equipment.

Course Cost: Payment of approximately \$90 for AP exam is due in the fall.

Exams and/or Evaluations: Unit exams, midterms, and final AP exam in May (required). Students are also required to take the New York State Regents examination in Chemistry in June.

COLLEGE/REGENTS PHYSICS

Weeks: 40

Credit: 1 High school credit with Optional College Credit

Prerequisites: Juniors or Seniors only. Earth Science, Biology, and Chemistry (can be concurrent). Pre-calculus, minimum of 90 on past science Regents exams, and a minimum average of 80 on past math Regents exams. Students must have an average of 90 in their current science class. This course is a rigorous upper level/college level science class that requires good mathematical skills and a willingness to study independently.

Course Objectives: This is a one year college survey course looking at all important topics in physics, including kinematics, Newton's Laws, Thermodynamics electrostatics, magnetostatics and more. Students will also use algebra and trigonometry in the solution of physics problems.

Homework Frequency: Daily

Supplies Students Provide: Scientific calculator, notebook, and a review book.

Technology Used: Scientific calculators, computer simulations, computer-aided laboratories, and Internet simulations

Exams and/or Evaluations: Frequent exams and quizzes, graded labs and homework and a midterm. Each student will take the NY State Regents exam and may also take the college level final exam for college credit.

EARTH SCIENCE

Weeks: 40

Credit: 1

Prerequisites:

Course Objectives: This course is intended to provide students with an understanding and appreciation for the Earth. Content covered in class is Geology, Meteorology, Astronomy and Climate. This course is an excellent introduction to the Regents Science Program at P. V. Moore as it provides a foundation in laboratory and research skills. Classroom activities tend to be student centered, requiring a high degree of individual and group participation.

Homework Frequency: 3 - 5 graded assignments/week (1 - 2 lab assignments and 2 - 3 homework assignments.)

Supplies Students Provide: Calculator, 3 ring binder, and a review book.

Technology Used: Weather station, computers (tutorial, Photo Shop, etc.).

Exams and/or Evaluations: Topic exams approximately every 4 - 5 weeks. Each exam consists of: (1.) 30 - 40 multiple choice questions (2.) Calculation and short answer (3.) skills and performance. Midterm in January; Regents exam in June.

BIOLOGY

Weeks: 40

Credit: 1

Prerequisites: Passing average in either earth science or environmental science.

Course Objectives: Biology is the study of living things. Students are provided with an awareness of the natural world, basic scientific concepts, stimulation of inductive reasoning and a basic understanding of biological processes and generalizations.

Homework Frequency: 3 - 5 assignments per week.

Supplies Students Provide: Folder, notebook, and a review book.

Technology Used: Computers, various lab equipment, microscopes, videos, and films.

Exams and/or Evaluations: Unit exams, Midterm Exam, Regents Exam in Living Environment in June

APPLIED CHEMISTRY

Weeks: 40

Credit: 1

Prerequisites: Passing course grades and Regents exam grades in Earth Science and Biology.

Course Objectives: Applied Chemistry is a basic overview of chemical principles.

Homework Frequency: As needed

Supplies Students Provide: Calculator, in addition to normal classroom supplies

Technology Used: Computers, lab equipment

Exams and/or Evaluations: Exams, quizzes, graded labs and homework. A local midterm and final exam will be given. Successful completion of this course results in a local science credit.

* There is no lab component required for this course

CHEMISTRY

Weeks: 40

Credit: 1

Prerequisites: A grade of 75 in Earth science in addition to passing the Earth Science Regents examination. A grade of 75 in Regents Biology and passing the Biology Regents examination. The student should have passed the Integrated Algebra Regents exam, Geometry Regents exam and be taking Algebra 2/Trigonometry. This course is a rigorous upper level science class that requires good mathematical skills and a willingness to study independently.

Course Objectives: Regents Chemistry is a rigorous college preparatory course. It emphasizes study skills along with higher-level abstract thinking. Extra laboratory work is scheduled in addition to the regular “lecture” classes.

Homework Frequency: Homework is assigned every day. Students are expected to read both the textbook and the laboratory manual in preparation for each lecture session and laboratory period.

Supplies Students Provide: Students are required to purchase a review book and a calculator, in addition to normal classroom supplies.

Exams and/or Evaluations: Exams, quizzes, graded labs and homework. At the completion of the course, each student will take the New York State Regents examination in chemistry.

GEOLOGY: Earth’s Fury I

Weeks: 20

Credit: ½

Prerequisites: Passing grade on either Earth Science or Biology Regents.

Course Objectives: This course is designed to explain and discuss various earth processes while relating them to geological events such as volcanoes, earthquakes, floods, landslides and other local events. Students will also be expected to comprehend current geologic issues.

Homework Frequency: As needed to complete assignment.

Supplies Students Provide: Notebook, folder, and a calculator.

Course Cost: Field trips (approximately \$5 – 10).

Technology Used: Computers, binoculars, and TV/VCR.

Exams and/or Evaluations: Projects, unit exams, and final exam.

METEROLOGY Earth's Fury II

Weeks: 20

Credit: ½

Prerequisites: Passing grade on either Earth Science or Biology Regents

Course Objectives: This course is designed to explain different weather variables and relate them to past weather events such as hurricanes, tornados, wild fires, blizzards and other types of storms. Students will also explore current climate issues such as greenhouse gas emissions and El Nino/La Nina.

Homework Frequency: As needed to complete assignment

Supplies Students Provide: Notebook, folder, and a calculator.

Course Cost: Field trips (approximately \$5 – 10).

Technology Used: Computers, Internet, P. V. Moore Weather Station, and TV/VCR.

Exams and/or Evaluations: Projects, unit exams, and final exam.

PROJECT ADVANCE FORENSIC SCIENCE

Weeks: 40

Credit: *Dual credit offered:* 1 High School & 4 College (SU)

Prerequisites: Chemistry (can be concurrent), Biology, Earth Science

Course Objectives: This course is intended for college bound students who are not necessarily science majors. This course should not be taken in place of chemistry for college bound students. It is based on understanding the science behind the techniques used in evaluating physical evidence. Topics included are blood analysis, microscopic investigations, hair analysis, DNA, drug chemistry and toxicology, fiber comparisons, and arson investigations.

Homework Frequency: As needed

Supplies Students Provide: Notebook and a binder.

Technology Used: Computers and various lab equipment.

Course Cost: See instructor for current tuition costs. Tuition is required for college credit.

Exams and/or Evaluations: Exams, class work, homework and lab work may be used to determine grade. Students will also take a midterm and final exam.

Other: Course enrollment may be limited due to staff availability.

AP BIOLOGY

Weeks: 40 **Credit:** 1 **Prerequisites:** Seniors only; Regents Chemistry, Regents Biology and Regents Earth Science.

Course Objectives: Students will demonstrate skills in using various types of biological instrumentation and scientific methodologies, practice finding and using patterns in collected data to solve scientific problems, exhibit mastery of the major principles of biology, and apply biological knowledge and critical thinking to environmental and social concerns.

Homework Frequency: As this is a college-level course, students will be held to high expectations and mature responsibilities similar to college freshman. As such, homework in the form of readings and/or writing will be assigned every class throughout the year.

Supplies Students Provide: A 3 ring binder, composition book, calculator, paper, pen, highlighter, and pencil

Course Cost: Approximately \$90 for the AP exam is due in the fall.

Technology Used: Biological laboratory equipment will be utilized throughout the year. The computer lab will also be used extensively for research, interactive online labs, and tutorials.

Exams or Evaluations: All students must take the Advanced Placement exam that is given in May. Assignments, quizzes, exams, midterm and final exam.

ESF Global Environment

Weeks: 40 **Credit:** *Dual credit offered:* 1 High School & 3 College (SUNY ESF)

Prerequisites: Earth Science, Biology, Chemistry (may be concurrent)

Course Objectives: This course provides students with an overview of global environmental problems, current rates of global change and potential impacts on human populations and the quality of life. Students will be investigating linkages among human social systems and biophysical systems within the broad, global context of environmental change. This course prepares students to describe how the Earth's biophysical environment has changed over time, to explain the history of human population growth, to critically appraise the strengths and weaknesses of human economic, political and cultural systems for conserving environment resources.

Homework Frequency: Daily

Supplies Students Provide: Notebook

Course Cost: See the instructor for current tuition costs. Tuition is required for college credit.

Technology Used: Computers/ videos

Exams and/or Evaluations: Topic/Unit Exams, projects, midterm, and final exam.

PHYSICS

Weeks: 40

Credit: 1

Prerequisites: Algebra 2/Trigonometry (pre or concurrent). Passing class averages in both Earth Science and Biology. Passing Regents exam scores in Earth Science and Biology. This course is a rigorous upper level/college level science class that requires good mathematical skills and a willingness to study independently.

Course Objectives: Physics investigates the interaction of matter and energy. Topics covered include mechanics, energy waves, ray optics, electricity and magnetism, quantum theory and nuclear physics. Laboratory is a required component of the physics experience. Philosophical perspectives of physics are introduced. The main objective is to provide a basic knowledge of the main concepts of physics and to develop a systematic approach to solving problems.

Homework Frequency: Generally 2 - 3 assignments per week.

Supplies Students Provide: Scientific calculator, notebook, and a review book.

Technology Used: Scientific calculators, computer simulations, computer-aided laboratories, and Internet simulations

Exams and/or Evaluations: Frequent exams and quizzes, graded labs and homework and a midterm. Students will have the option to take the NY State Regents exam for Regents credit or a local exam for local credit.

SOCIAL STUDIES

Global History 9
Global History 9 Advanced Honors
Global History 10
Advanced Placement World History
United States History and Government
Advanced Placement United States History
Advanced Placement Government and Politics
Economics
Participation in Government
Psychology
Sociology
Local History
Academic Intervention Service – Global History & Geography
Academic Intervention Service – U.S. History

GLOBAL HISTORY 9

Weeks: 40

Credit: 1

Course Objectives: Global History 9 is the first part of a two-year course that culminates in a Regents examination. The curriculum focuses on the common themes that occur throughout world history and geography from early civilizations to the mid-1700s. For each historical era, students will investigate events from multiple perspectives and make global connections and linkages.

Homework Frequency: Daily assignments.

Supplies Students Provide: 3-ring binder.

Course Cost: None.

Technology Used: Computer and the Internet.

Exams and/or Evaluations: Tests, quizzes and assignments are given. A midterm that covers the first half of the year is given in January. There is a locally prepared final exam.

GLOBAL HISTORY 9 Advanced Honors

Weeks: 40

Credit: 1

Prerequisites: Above average performance in Grade 8 Social Studies

Course Objectives:

Global History 9 is the first part of an intensive two-year course that culminates in a Regents examination. The curriculum focuses on the common themes that occur throughout world history and geography from early civilizations to the mid-1700s. For each historical era, students will investigate events from multiple perspectives and make global connections and linkages. There are required reading assignments, extensive writing tasks, as well as in depth research assignments. This course requires significant time and effort on the part of the student.

Homework Frequency: Summer assignment, daily assignments, including extensive reading, writing and research

Supplies Students Provide: A 3-ring binder.

Course Cost: None

Technology Used: Computer and the Internet.

Exams or Evaluations: A midterm that covers the first half of the course is given in January. There is a locally prepared final examination in June.

GLOBAL HISTORY 10

Weeks: 40

Credit: 1

Prerequisites: Global History 9

Course Objectives: Global History 10 continues the study of world history and geography begun in Global History 9. The historic eras focus on the years from 1750 to the present.

Homework Frequency: Regular assignments.

Supplies Students Provide: 3-ring binder.

Course Cost: Students may be required to obtain a review book.

Technology Used: Computer and the Internet.

Exams or Evaluations: Tests, quizzes and assignments are used. A midterm given in January covers 9th grade and the first half of the 10th grade course. Students are required to pass the Regents Examination in Global History and Geography for Regents credit.

ADVANCED PLACEMENT WORLD HISTORY

Weeks: 40

Credit: Dual credit: 1 high school credit and Possible college credit

Prerequisites: Global History 9

Course Objectives: This one-year course is a rigorous, chronological study of eras in world history. It is designed to provide students with the analytic skills and factual knowledge necessary to analyze historical events worldwide. There are required reading assignments, extensive writing tasks, as well as in depth research assignments. This course requires significant time and effort on the part of the student.

Homework Frequency: Summer assignment, daily assignments, including extensive reading, writing and research

Supplies Students Provide: A 3-ring binder.

Course Cost: Payment of approximately \$90.00 for AP exam is due in the fall.

Technology Used: Computer and the Internet.

Exams or Evaluations: All students must take the Advanced Placement exam that is given in May and determines how much credit a college may offer the student. Students are required to pass the Regents Examination in Global History and Geography for final exam/Regents credit.

UNITED STATES HISTORY AND GOVERNMENT

Weeks: 40

Credit: 1

Prerequisites: Global History 9, Global History 10

Course Objectives: This one-year course is a chronological study of eras in American history, with an emphasis on the structure and function of American government. Each unit focuses on the significant events, individuals and constitutional principles that have had an impact on American society.

Homework Frequency: Regular assignments.

Supplies Students Provide: A 3-ring binder.

Course Cost: Students may be required to obtain a review book.

Technology Used: Computer and the Internet.

Exams and/or Evaluations: A midterm that covers the first half of the course is given in January. Tests, quizzes and assignments are given. Students are required to pass the Regents Examination in U.S. History and Government for Regents credit.

ADVANCED PLACEMENT UNITED STATES HISTORY

Weeks: 40

Credit: Dual credit: 1 high school credit with possible college credit

****Prerequisites:** Global History 9, Global History 10

Course Objectives: This one-year course is a rigorous, chronological study of eras in American history. It is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in United States history.

Homework Frequency: Summer assignments, daily assignments, including extensive reading, writing and research.

Supplies Students Provide: A 3-ring notebook.

Course Cost: Payment of approximately \$90.00 for AP exam is due in the fall.

Technology Used: Computer and the Internet.

Exams and/or Evaluations: All students must take the Advanced Placement exam that is given in May and determines how much credit a college may offer the student. Students are required to pass the Regents Examination in U. S. History and Government for final exam/Regents credit.

****Note:** Seniors are eligible to take this course pending satisfactory completion of U. S. History and Government as a junior. An additional credit can be earned toward graduation.

ADVANCED PLACEMENT GOVERNMENT AND POLITICS ECONOMICS

Weeks: 40

Credit: 1 high school credit with possible college credit

****Prerequisites:** Global History 10, U.S. History and Government

This class satisfies the senior graduation requirement of Participation in Government and Economics.

Course Objectives: This one-year course is a rigorous, analytical perspective on government and politics in the United States. It includes the study of general concepts used to interpret U.S. politics and the analysis of various institutions, groups, beliefs and ideas that constitute U.S. politics. It is designed to be the equivalent of a college introductory course in government and politics. In addition, the principles and concepts of economics, including major elements of economic systems and the components of those systems are examined.

Homework Frequency: Summer assignments, daily assignments, intensive reading, writing and research

Supplies Students Provide: 3 ring notebook

Course Cost: Payment of approximately \$90.00 for AP exam is due in the spring.

Technology Used: Computer and internet

Exams and/or Evaluations: All students must take the Advanced Placement exam that is given in May and determines how much credit a college may offer the student. Exams are given periodically throughout the course. A local final exam or portfolio will be required.

ECONOMICS

Weeks: 20

Credit: ½

Prerequisites: Global History 9, Global History 10, U.S. History and Government.

Course Objectives: This semester course, which is required for graduation, deals with basic principles and concepts of economics, the major elements of economic systems and the components of those systems. The course emphasizes the development of effective and intelligent economic decision making by citizens.

Homework Frequency: Regular assignments.

Supplies Students Provide: A 3-ring binder.

Technology Used: Computer and the Internet

Exams and/or Evaluations: Students take a locally prepared final exam.

PARTICIPATION IN GOVERNMENT (PIG)

Weeks: 20

Credits: ½

Prerequisites: Global History 9, Global History 10, U.S. History and Government.

Course Objectives: This semester course, which is required for graduation, emphasizes the importance of citizen participation in a democratic society. Students will be asked to analyze public issues at the federal, state or local level. Defining, analyzing, monitoring and discussing issues and policies is a major focus of the course.

Homework Frequency: Regular assignments.

Supplies Students Provide: A 3-ring binder.

Technology Used: Computer and the Internet

Exams and/or Evaluations: The final exam is a portfolio.

PSYCHOLOGY

Weeks: 20

Credit: ½

Prerequisites: Senior class standing

Course Objectives: This elective course focuses on the study of human behavior. It is designed to give students a survey of major psychological theories. Students should develop greater self-awareness and self-regulation.

Homework Frequency: Regular assignments are required, including two sets of journal entries and one project, for each marking period.

Supplies Students Provide: A composition book or a spiral notebook for journal.

Technology Used: Computer and the Internet.

Exams or Evaluations: Tests and/or quizzes are given. The final exam grade is a research project or portfolio, which counts for 1/7 of the final grade in the course.

SOCIOLOGY

Weeks: 20

Credit: ½

Prerequisites: Senior class standing

Course Objectives: This elective course focuses on the study of human interaction with other humans as well as human interaction with the world around them. It is designed to give students a survey of major sociological theories. Students should develop greater self-awareness and a broad social perspective on major issues.

Homework frequency: Regular assignments

Supplies needed: a 3-ring binder.

Technology used: Computer and internet

Exams and/or evaluations: Tests and quizzes are given. The final exam is a portfolio.

LOCAL HISTORY

Weeks: 20

Credit: ½

Prerequisites: None

Course Objectives: Students will examine the local history of the towns and villages of the Central Square School District by using a variety of resources e.g. primary source documents, past and present historical literature, architecture, photographs, oral histories and local field trips.

Homework Frequency: Regular assignments

Supplies Students Provide: 3-ring binder.

Technology used: Computer and internet

Exams and/or Evaluations: The evaluation tools used for the course will Evaluation tools used for the course will be project and portfolio based. There will be at least one major project due each marking period. The final portfolio will consist of a cross-generational interactive presentation that includes tales of local folklore, live interviews of local citizens, a collage of pictures that represents the past, a historical walking tour of a specific place and a historic web page that highlights the village or town.

ACADEMIC INTERVENTION SERVICE Global History & Geography

Weeks: 20-40

Credit: None

Course Objectives: Global History & Geography Academic Intervention Service provides additional instruction that supplements the general curriculum. The goal is to assist students who have not or may not meet designated performance levels on the Global History & Geography Regents exam.

Homework Frequency: as needed

Technology Used: Computer and internet

Exams and/or Evaluations: Global History & Geography Regents exam.

ACADEMIC INTERVENTION SERVICE U. S. HISTORY

Weeks: 20-40

Credit: None

Course Objectives: U.S. History & Government Academic Intervention Service provides additional instruction that supplements the general curriculum. The goal is to assist students who have not or may not meet designated performance levels on the state U. S. History & Government Regents exam.

Homework Frequency: as needed

Technology Used: Computer and internet

Exams and/or Evaluations: U. S. History & Government Regents exam.

TECHNOLOGY

Computer Aided Design (CAD)
Design and Drawing for Production
Material Processing
Pre-Engineering
Residential Structures
Production Systems I
Manufacturing Productions II
Transportation Land
Transportation Systems
Video Editing
Video Broadcasting

COMPUTER AIDED DESIGN

Weeks: 40 **Credit:** *Dual credit offered:* 1 high school credit and 3 college credits (OCC)

Prerequisites: Successful completion of Design and Drawing for Production or permission of the instructor.

Course Objectives: College CAD at P. V. Moore High School is the equivalent of Onondaga Community College's GPH/MET 261 INTRODUCTION TO CAD worth 3 college credit hours.

(Advanced CAD or the equivalent of GPH 262 is also available for 3 additional college credits.) An introductory course in CAD (Computer-Aided Drafting) utilizing AutoCAD, Inventor, and Chief Architect software. Topics to include the manipulation of the basic drawing commands to construct detailed multi-view drawings with printer/plotter hard copy output. Time will also be spent on architectural design, starting with floor plans to creating elevations and doing interior room layouts using models.

Homework Frequency: None

Supplies Students Provide: Normal classroom supplies.

Course Cost: Student may opt to also receive 3 college credits through Onondaga Community College. Current cost is \$135 for 3 college credits; the amount is subject to change.

Technology Used: Computers, scanner, and plotter.

Exams and/or Evaluations: Written and computer based quizzes and examinations.

DESIGN AND DRAWING FOR PRODUCTION

Weeks: 40

Credit: 1

Prerequisites: None

Course Objectives: This course has two parts. The first part, ½ unit, introduces the student to basic drafting. The students learn the six major areas in technical drafting: orthographic projection, pictorial drawing, sections, auxiliaries, revolutions, and transitions. This is accomplished by having the student draw in each major area. The student will not only gain a command of the drawing process but a thorough understanding of how to communicate through their drawings. The second part of the course concerns itself with design. The students are provided with opportunities to experience critical thinking, problem solving and decision-making. A student will gain an understanding of the design process from conception to final product as is used by industry. Sketching, technical drawing and final drafts of class or individual ideas are developed with the goal of a project. This course satisfies the one unit of credit of art and/or music required by any student for graduation.

Homework Frequency: Occasionally

Supplies Students Provide: Mechanical pencil, eraser, and scales.

Course Cost: \$10 on average for all project supplies

Technology Used: Some computer use

Exams and/or Evaluations: Quizzes, projects, and exam.

MATERIAL PROCESSING

Weeks: 20

Credit: ½

Prerequisites: None

Course Objective: This course introduces students to the basic use of woods, metals, and plastics in project creation. Students will be drawing, problem solving, and working with the three main types of materials. Drawing is a major part of planning projects and understanding blueprint style instructions. Therefore, we will spend the first four weeks on technical drawing. The rest of the semester will be spent working on projects in the three major areas.

Homework Frequency: Rarely

Supplies Students Provide: Notebook, folder, and pencil or pen

Technology Used: Computers

Exams and/or Evaluations: Quizzes, project grades, and a final exam.

RESIDENTIAL STRUCTURES

Weeks: 20

Credit: ½

Prerequisites: None

Course Objectives: This course is a study of the many systems and skills involved in constructing residential buildings. Course content includes resources (i.e., planning, materials, supplies, finances), processes (i.e., framing, roofing, plumbing, insulation) and outputs and effects (quality assurance, environmental impact, economic consequences).

Homework Frequency: Rarely

Supplies Students Provide: Notebook, folder, and pencil or pen

Technology Used: Computers

Exams and/or Evaluations: Projects, quizzes, and the final exam.

PRODUCTIONS SYSTEMS I

Weeks: 20

Credit: ½

Prerequisites: None

Course Objectives: One of the key activities of society is that of production. Production can be defined as the processing of materials and knowledge to make products. Production can be divided into two major categories: manufacturing and construction. If an object is produced in a factory, the procedure is considered to be manufacturing. If it is produced or assembled on site, it is considered to be construction. Each has its unique concepts and techniques in our technological society.

Homework Frequency: Rarely

Supplies Students Provide: Notebook, folder, and pencil or pen

Technology Used: Computers

Exams and/or Evaluations: Quizzes, projects, and the final exam.

MANUFACTURING PRODUCTIONS II

Weeks: 20

Credit: ½

Prerequisites: None

Course Objectives: This course emphasizes the significance and procedures of the research and development processes when used in the production of material goods, the improvement of industrial processes, and the acquisition of new knowledge.

Homework Frequency: Rarely

Supplies Students Provide: Normal classroom supplies.

Technology Used: Computers

Exams and/or Evaluations: Quizzes, project graphs, and a final exam.

Pre-Engineering

Weeks: 20

Credit: ½

Prerequisites: Design & Drawing

Course Objectives: This course will help students understand the field of engineering/engineering technology. Exploring various technology systems and manufacturing processes help students learn how engineers and technicians use math, science and technology in an engineering problem solving process to benefit people. The course also includes concerns about social and political consequences of technological change. Students will also be using modeling software to create computer models

Homework Frequency: rare

Supplies Students Provide: Pencil, eraser, scales and \$10 for project supplies

Technology Used: Computer, plotters

Exams and/or Evaluations: Quizzes and exams.

VIDEO EDITING

Weeks: 20

Credit: ½

Prerequisites: None

Course Objectives: In this course, students will learn how to operate a variety of video cameras, including: VHS, High-8, and Digital. Students will have an opportunity to work in front of and behind the scenes of an actual in-house television studio. Students will learn how to take raw video footage that's been recorded, download it onto the computers in the lab and edit their final product. Students will learn how to take photographs and transfer them onto video tape and then put music to their finished production.

Homework Frequency: Occasionally.

Supplies Students Provide: Video tapes – will be used to record their final product.

Camera (optional) – used to capture raw video footage outside of school.

Technology Used: Video cameras – VHS, High-8 and Digital

Edit devices – iMac (imovie II software), G4 (iMovie II Software, Final Cut Pro software).

Exams and/or Evaluations: Students will receive a grade based on attendance, work accomplished during class, homework assignments turned in on time, and completion of assigned projects.

VIDEO BROADCASTING

Weeks: 20

Credit: ½

Prerequisites: None

Course Objectives: TV Production is designed to be a project-based course to familiarize students with the inner working of an actual television station. Students will have the opportunity to run an in-house television station that will be broadcast throughout the school. While learning the proper production steps, students will be given the chance to experience the different roles such as; Talk show host, news or weather castor and or Director, Sound Crew/Music Editor, Costume and Set Designer, Computer Based Digital Editor/Picture Editor, Voice over Actor, Anchor, and Camera and Special Effects/Lighting Crew for TV. As part of the learning, students will create segments to air on the in-house TV station. Students will broadcast the morning announcements and make pre-recorded shows for advisement. This class is meant to be an engaging experience to familiarize students with the expectations of a real-life occupation in Television Production

Homework Frequency: Occasionally.

Technology Used: Online Computer, Video Mixer/Special effects generator, Title Maker, TV/DVD/VCR Combo, Digital Camcorder, 12 Channel Mixer w/ Effects

Exams and/or Evaluations: Students will receive a grade based on attendance, work accomplished during class, homework assignments turned in on time, and completion of assigned projects

TRANSPORTATION LAND

Weeks: 20

Credit: ½

Prerequisites: None

Course Objectives: This course consists of routine care, maintenance, and minor tune up of automobile engines, theory of automobile operations and an investigation of the various systems needed to operate a land vehicle. Some of these include: Electrical Power Systems, Ignition Systems, Charging and Starting Systems, Fuel Systems, Emission Control Systems, Lubrication Systems, Cooling Systems, Electrical Lighting Systems, Brake Systems, Suspension Systems, Power Trains, Fluid Power Systems.

Homework Frequency: Rarely

Supplies Students Provide: Normal classroom supplies, a 1:25 model car or truck with paint & non-toxic glue, and a New York State Driver's Manual.

Technology Used: Computers

Exams and/or Evaluations: Quizzes, project graphs, and the final exam.

TRANSPORTATION SYSTEMS

Weeks: 20

Credit: ½

Prerequisites: None

Course Objectives: The development of land, air, marine, and space transportation systems throughout the world has had a tremendous impact on the intellectual and economic growth of societies. Transportation systems allow people to move not only themselves, but also durable and non-durable goods in increasingly fast and efficient ways. Students will perform maintenance on a push mower (blades, oil change and timing its engine). This course will allow students to study and experiment with these systems. A focus on the routine care and maintenance will make up the first half of the course.

Homework Frequency: Rarely

Supplies Students Provide: Pencil or pen, notebook and folder

Technology Used: Computers

Exams and/or Evaluations: Quizzes, projects, and a final exam.