



# Jericho High School

**2005-2006 Program Planning Guide**

## **Business Education**

### **Business Ownership & Entrepreneurship**

Are you interested in starting your own business? What about learning how to design and develop a business plan to help you on your road to success? This course is designed to provide students interested in business with the opportunity to discover what it takes to get started in a business venture. Students will work together to form businesses doing everything from researching start-up costs to promoting their products and services. E-Commerce will be utilized to help students contact business professionals, create PowerPoint presentations, create their own business web pages, design business cards, logos, letterheads and write their business plans. Guest speakers and field trips will be planned.

Elective Grades 9-12 - 1/2 credit

### **E-Commerce/Computer Applications**

The student will design internet Web pages for personal, business, and E-commerce. Hands-on experience will include business word processing, data base, Excel spreadsheet, and desktop publishing as they relate to stock market portfolios, real estate, family on-line newsletter, E-commerce Web page, business graphics and power point presentations.

Elective Grades 9-12 - 1/2 credit

### **Wall Street**

How to become a millionaire? Imagine yourself being able to achieve your dreams. This class will give you the opportunity to explore investment opportunities. Students will also be introduced to all types of investment classifications that are necessary to achieve a balanced portfolio. Including stocks, bonds, mutual funds, international investments, options, futures, real estate, and 401(k) plans as retirement options. This knowledge is applied to the challenges of investing. Students will participate in a number of hands on activities. Guest speakers and field trips will be planned.

Elective Grades 9-12 - 1/2 credit

## **College Accounting**

College Accounting is a first-year college accounting course. Topics covered include sole proprietorships, partnerships, corporations, financial statements (balance sheets, income statements, cash flow statements) analysis, interpretation, and current value accounting. Three to six college credits may be earned.

Elective Grades 11-12 - 1 credit  
(LIU-C.W. Post SCALE Program College-Level Course)

## **Personal Law I**

Students develop an understanding of the law as it relates to day-to-day activities. They explore criminal law, juvenile law, individual rights law, forensic science. Students apply their learning through an introduction to mock trials.

Elective Grades 10-12 - 1/2 credit

## **Personal Law II**

Students examine and analyze criminal law and civil law, expanding their understanding of mock trial procedures utilized in courtroom simulations.

Elective Grades 10-12 - 1/2 credit  
Prerequisite: Personal Law I

## **College Business Law**

College Business Law emphasizes text and case study of laws applicable to business, including the organization of courts and court procedures, the law of contracts, sales, agency, negotiable instruments, partnerships, and personal and real property. Students also gain experience in rendering decisions in cases. Students apply their learning through mock trials. Three to six college credits may be earned.

Elective Grades 11-12 - 1 credit  
(LIU-C.W. Post SCALE Program College-Level Course)

## **Introduction to Criminal Justice**

Philosophies, processes, and laws involved in the administration of criminal justice are presented. The emphasis is on New York State Law, and the roles of the police, district attorney, courts, probation, corrections and parole are delineated. Forensic Science is explored. Students apply their learning through mock trials. Three college credits may be earned.

Elective Grades 11-12 - 1/2 credit  
(LIU-C.W. Post SCALE Program College Level Course)

## **Sports, Entertainment, and Business Management**

The American market place can be an economic jungle. You need to know the rules to survive and become successful. Sports, Entertainment, and Business Management are designed to help you develop the skills and the confidence to manage a business successfully. The every day operations of athletic teams and stadium management, player contracts, agent representation, and athletic events require management skills. The production of movies, plays, and commercials involves strategies designed for each media. Making financial decisions and managing risks involve knowing how to use insurance, financial institutions, and the stock market to keep a business competitive. These management skills will enable your business to thrive even in the jungle!

Elective Grades 11-12 - 1/2 credit

## **Marketing/Advertising**

Marketing presents an overview of global marketing strategy starting with target market identification and ending with consumption. Using a variety of classroom activities, students participate in step-by-step methods of creating a marketing mix, pricing, designing appropriate advertising, creating new products, and professional selling of products and services. Case study analysis, computer programs, and videos enhance the content of this valuable course. A must for prospective college business majors.

Elective Grades 11-12 - 1/2 credit

## **English**

### **English I**

English I is the first year of a four-year sequence in English required of all students for high school graduation. Based on the theme Self and Others and on a variety of thinking skills. English I presents a wide range of activities designed to extend mastery in literature and reading, writing, grammar, word study, discussion, and study/research skills. Interdisciplinary activities with Global Studies I help students relate to a multicultural world. Literary works studied include *Old Man and the Sea*, *Antigone*, *To Kill a Mockingbird*, Shakespeare's *Romeo and Juliet*, and a wide selection of short stories, essays and poetry.

Required Grade 9 - 1 credit

### **Communication**

In this course students prepare extemporaneous, impromptu and manuscript presentations, with the help of computer and video technology. They use the Internet and video conferences to research topics. Then, they organize their ideas and information for interdisciplinary presentations, learning through these projects and literacy and thinking skills needed for both the Global History and English Regents.

Required Grade 9 - 1/2 credit

### **English II**

Students continue to develop and refine their language skills in English II. In writing they develop a sense of form and methods of discourse for descriptive, narrative and expository paragraphs and essays using the writing process. Gaining an awareness of sentence variety, transitions, and topic sentences, students increase their proficiency in editing and proofreading. In literature students focus on the theme Individual and Society as they read novels, short stories, drama, and poetry. Literary works include *The Catcher in the Rye*, *Lord of the Flies*, and *Julius Caesar*. Students expand their understanding of the nature and functions of language, develop listening habits, enlarge their vocabularies, and enhance their study skills.

Required Grade 10 - 1 credit

### **English III**

The points of view and themes of American writers comprise the major elements of this eleventh-grade English course. Specific literary works include *The Scarlet Letter*, *Adventures of Huckleberry Finn*, *The Great Gatsby*, and *Death of a Salesman*. In addition, students read the Greek tragedy *Medea* and the English tragedy *Macbeth*. As each piece of literature is read, its historical, psychological, and philosophical backgrounds are presented and discussed. Speaking and listening are important aspects of this learning process. The analytical and argumentative essays as well as narration and description are emphasized in students' writing. SAT preparation is included in the study of vocabulary and reading comprehension. Students taking this course complete the English Regents.

Required Grade 11 - 1 credit

### **English IV**

English IV is the required semester course of fourth-year English. Students trace the development of the hero through a survey of literature from the Greek Age to the Anglo-Saxon Period to the Modern Era. Literary works, such as *Oedipus Rex*, *Beowulf*, *Hamlet*, and *The Stranger*, are included as well as poetry. In addition, students research a topic of their own choice and use the resources of the library to locate information. In mastering the format of the research paper, students focus on unity and coherence in their writing and prepare for future academic work.

Required Grade 12 - 1/2 credit

### **Advanced Placement English: Language and Composition**

Students gain an understanding of the principles of effective writing. They read and analyze fiction, drama and various prose texts for use as models of effective writing styles. They complete a variety of writing assignments employing different styles for various purposes. They aim for rhetorical effects through diction and sentence patterns. AP Comp is designed for students with a high interest in reading, analysis, and writing. Students electing to take this course as juniors should have demonstrated an outstanding level of achievement in writing and in reading literature. The course requires a summer

reading and writing assignment as well as independent course work during the year. Students taking this course complete the English Regents. All students take the AP Exam at the conclusion of the course.

Elective Grade 11-12 - 1 credit

### **Advanced Placement English: Literature and Composition**

In this full-year college-level course, students are engaged in an intensive study of literature as they read short stories, novels, plays and poetry. A sampling of readings include Oedipus, Hamlet, Jane Eyre, Hedda Gabler, Heart of Darkness, The Stranger, The Sun Also Rises, short stories by J.D. Salinger and James Joyce, and poetry from Wordsworth to T.S. Eliot. Students write frequently and assignments are varied. Through conferences with the teacher, students develop recognition of their strengths and strategies to improve their writing. There is a summer reading and writing assignment. All students take the Advanced Placement Examination at the conclusion of the course.

Elective Grade 12 - 1 credit

### **College Freshman English SUPA**

These are the same courses offered to Syracuse University freshmen. Students who take SUPA English will be involved in the same work assigned to their counterparts taking the course at Syracuse. The course requires frequent writing and reading as well as commitment and self-motivation. There is one summer reading and writing assignment. SUPA English is divided into two distinct one-semester courses. Students are charged a tuition fee set by Syracuse University. The fee was \$486 for the 2000-2001 school year and is subject to increase in the future at the discretion of Syracuse University.

### **Writing Studio 105**

This fall-semester course concentrates on the process of writing formal argumentative essays and the more informal student generated essay. In three major units of study, students will move from personal writing to primary observation writing to primary observation writing, to research and finally to writing, to research and finally to writing about

literature. Upon successful completion of this course, students may earn three college credits.

### **English Textual Studies 141, Reading and Interpretation: From Language to Discourse:**

This spring semester course introduces students to the complex and significant issues at stake when they "read" in all kinds of settings and activities. Students will "read" a variety of literary and critical texts and write essays ranging from single-page reaction papers to fully-crafted and revised presentations. Upon successful completion of ETS 141, students may earn three college credits.

Elective Grade 12 - 1 credit

### **Humanities: The Creative Edge**

Students taking this semester course will comb through the history of the arts - including music, architecture, the visual arts and literature - to find great creative leaps and highly original moments. We will look at the psychology, the cultural factors and the utter strangeness of elements that often lead to creative work. We will study what makes particular works so original and how their influences and approaches are relevant today. We will examine such artists as Bosch, Michelangelo, Caravaggio, Van Gogh, Picasso; composers Bach, Beethoven, Tchaikovsky and Davis; architects Palladio, Gaudi and Wright; and authors Dante, Baudelaire and Kafka. The course will include field trips and numerous opportunities for students to express their own creativity.

Elective Grades 11-12 - 1/2 credit

### **Humanities: The Critic's Eye**

In this semester course students will learn to better appreciate works of art including music, architecture, the visual arts and literature. We will use a series of approaches, from classical to postmodern, to explore and examine works. We will break down elements, search for clues to understanding, discover patterns of meaning, and even watch how patterns can be destroyed. We will study what makes particular

works "good" or "bad" or "memorable" and how their influences and approaches are relevant today. Some of the works we will examine include works by artists Da Vinci, Velasquez, Rembrandt, Monet; composers Mozart, Mahler, and Nirvana; architects from Eastern, renaissance, baroque and modern periods; and authors Coleridge, Hesse and Rand. The course will include field trips and numerous opportunities for students to express their own critical views.

Elective Grades 11-12 - 1/2 credit

### **Film Study**

Students view films ranging from the earliest to the most current experiment in the medium. With visual literacy as the goal of the course, students explore the methods of film communication, the techniques of the film, and the art of the film. As one course project, students submit a short paper.

Elective Grades 11-12 - 1/2 credit

### **Dramatic Arts**

The students acquire a general background in the various phases of dramatics. Through exercises and demonstrations, they become acquainted with the basics of acting, concentrations, blocking, movement, and voice projection. As the class engages in scene study, students may pursue their interests in make-up, lighting, set design, and directing. They present scenes varying from Charlie Brown to Shakespearean plays - before audiences and on videotape. Improvisation and theater games are emphasized throughout the course.

Elective Grades 11-12 - 1/2 credit

### **Journalism I**

Journalism I is designed for students to discover how newspapers function. As part of the course, students will report, write and edit news stories, editorials, columns, reviews, sports and features. In addition, students will learn how to layout and design newspaper pages on the Macintosh computer. The course will focus on the impact

of the media on society and how the media, including television news, tabloid shows like Inside Edition and A Current Affair, and such metropolitan newspapers as the New York Times, Newsday, and the Daily News, reports the news.

Elective Grades 10-12 - 1/2 credit

### **Creative Writing**

In this course students will express themselves in writing and get published using traditional media as well as new media technologies. Students will write in an atmosphere of empowerment and professionalism. They will become part of a writing group, giving and receive feedback on their original work. Students will keep writers' journals in which they track and analyze their writing processes and complete daily writing exercises designed to help them explore possible material. We will analyze published works from a variety of genres and model our writing after these. All major pieces will be "published" and shared with real audiences. Students will be encouraged to enter their work into various contests and teen publications.

Elective Grades 11-12 - 1/2 credit

### **College Prep Writing**

The goal of this course is to provide superior composition instruction for Jericho students - instruction that exceeds the minimal standards set by the State and prepares students for the writing demands of the most selective colleges. In this course, students write and present research reports, feature articles and thesis/support papers on a variety of topics related to all school subjects. Students practice such genres of writing as exposition, argument, description and narration-genres important to college writing as well as to the new English and Social Studies Regents and AP Examinations. Students learn effective prewriting and revision strategies and employ an increasingly apt vocabulary to write insightfully to a variety of audiences for a variety of purposes. College Prep Writing Lab is linked to English II and offered on an alternate day schedule.

Required Grade 10 - 1/2 credit

## **Introduction to Women's Studies**

Essentially a course in close reading that mainly relies upon feminist literary criticism, "Introduction To Women's Studies" will require that students use their critical skills in order to read and discuss, orally, and in writing, a diversity of texts that address issues relevant to the lives as women, as well as to their own lives. Students will encounter fictional genres, such as poetry, short stories, films, and television shows, as well as non-fictional genres, such as essays, editorials, theories, and news articles that engage women's issues from a diversity of perspectives.

Elective Grades 11-12 - 1/2 credit

## **Introduction to Environmental Literature ("Ecocriticism")**

This interdisciplinary course will explore how writers have imagined and explored the human relationship with the environment. How do human behaviors impact the environment? How has the environment impacted human behavior? How does the way we speak about the environment impact the way we behave toward it, and vice versa? What is the "proper" relationship between humans and the environment? What are our environmental responsibilities? Should we be discussing humans and environment as distinct or opposed entities, or would we be better off considering their interrelationships? Examples of texts that address course themes are novels such as *Silent Spring*, movies such as *The Matrix*, essays by Clifford Stoll, Aldo Leopold, and Lawrence Buell, and television programs such as "Smallville."

Elective Grades 10-12 - 1/2 credit

## **Myths and Legends from Homer to Harry Potter**

This course will examine the connection between ancient myths, legends and folk lore such as Norse, Greek and Roman mythology, Arthurian legends, American folk lore, and modern legend like the Harry Potter series and the Lord of the Rings books.

Elective Grades 9-12 - 1/2 credit

## **SAT Preparation - English**

This course is designed to prepare students for the new SAT: Students will be provided with instruction and practice in grammar, composition and critical reading skills. These areas are central to the new SAT examination. This course will be pass/fail.

Elective Grades 10-12 - 1/4 credit

## **Fine Arts**

### **Studio Art I**

Studio Art is the gateway and prerequisite for all other art courses in the High School. It will introduce and reinforce visual issues including line, color, texture, volume, value, perspective and composition. Through problem solving exercises and regular critiques, the student will acquire a wide-range of perceptual, technical and critical skills associated with both 2-D and 3-D art forms. The course will include field trips and numerous opportunities for students to display their artwork. This course is a prerequisite for AP Drawing Portfolio and Art Seminar.

Course fulfills partial Art/Music requirement for graduation.

Elective Grades 9-12 - 1/2 credit

### **Studio Art II**

This course offers the same opportunities as in Studio I with further means for students to develop basic artistic skills through the introduction of a variety of media and areas of art exploration. With the completion of Studio I and II, students will have enough work to enter in the NYSATA Arts Portfolio Assessment. This course is a prerequisite for AP Drawing Portfolio and Art Seminar.

Students majoring in Art must take Studio in Art I and II.

Course fulfills partial Art/Music requirement for graduation.

Grades 9-12 - 1/2 credit

## **Drawing I**

In this course students will develop drawing skills through exploration of a wide variety of techniques. Drawing from direct observation as well as subconscious participation, students will explore a variety of drawing mediums including pencils, charcoal, pastels, scratchboard and pen and ink. Subjects include the complex still life, mandala, figure drawing, drawing of personal fantasy and portraiture. We will view, discuss and utilize the concepts of such artists as Van Gogh, Escher, Dali, Magritte, Degas, Klimt, Chagall and the German Expressionists. The class will visit several museums and experience on-site field trips. Students maintain a sketchbook. This course is a prerequisite for Art Seminar and the AP Drawing or 2-D design Portfolio.

Elective Grades 10-12 1/2 credit  
Prerequisite: Studio in Art I or II

## **Drawing II**

Students will demonstrate an understanding of the elements and principals of art by creating unique drawings from real life or printed and visual material. Deeper levels of artistic challenges are explored through the introduction of color, the use of digital art and the technique of cropping to create abstraction and original compositional possibilities. The techniques of printing on linoleum and acetate etching are introduced. We will examine such artists as O'Keefe, Picasso, Duchamp, Warhol, Ringgold, Shapiro, Klimt, Schiel, and Munsch. Students on this level are encouraged to prepare more original works of art. Participation in the NYSATA Portfolio Assessment is encouraged. This course is a prerequisite for Art Seminar and the AP Drawing or 2-D Design Portfolio.

Elective Grades 10-12 1/2 credit

## **Painting I**

Students will learn the fundamentals of design, space and color relationships through a series of exercises and projects. The properties of various painting mediums such as acrylic, oil, watercolor, and tempera are explored. Through a series of spontaneous, subconscious exploration as well as direct observations, students will produce

designs, collages, still-life studies and landscape paintings. We will explore the works of figurative expressionists such as Van Gogh, Munch, Klimt and Chagall, as well as realist and surrealist artists such as Chuck Close, Dali, Magritte and Earnest. This is a pre-requisite for Art Seminar, AP Drawing or 2-D Design Portfolio.

Elective Grades 10-12 1/2/credit  
Prerequisite: Studio in Art I or II

## **Painting II**

Using the techniques learned in Painting I, students will further experiment with a variety of Medias to create self-portraits (accurate and expressive), figure studies, complex still-life studies and original paintings in acrylics and/or oils. A series of artists and certain periods in art history will be examined. The emphasis here is to encourage more individualistic and independent student choices of subject matter as opposed to teacher-directed projects. This course is a pre-requisite for Art Seminar, AP Drawing or 2-D Design Portfolio.

Elective Grades 10-12 - 1/2 credit  
Prerequisite: Studio in Art I or II

## **Art Seminar**

Art Seminar is an advanced drawing and painting studio course for the college bound and art career-oriented student. The emphasis is on advanced drawing and painting studio course for the college bound and art career-oriented student. The emphasis is on advanced drawing and painting skills in order to compile a comprehensive art portfolio. Teacher directed projects are emphasized in the first half of the year, and independent work is encouraged for the second half. Students must be committed to working on projects inside and outside of the classroom. Students should attend a museum exhibit each semester outside of the class visits to museums and they are required to take at least one session of life drawing at any local art school or university. It is encouraged that students attend a college portfolio review. A sketchbook is mandatory. Students considering this course must fulfill pre-requisites or obtain permission of the department through portfolio review:

Elective Grades 11-12 - 1 credit  
Prerequisite: Studio Art, Drawing, and Painting

## **AP Art**

In this course students will prepare an AP Drawing or AP 2-D Design Portfolio that meets the requirements for AP College credit. The portfolios consist of a body of 20 works, 12 of which are a concentration. Students should attend a museum exhibit each semester outside of class and are required to take at least one session of life drawing at any local art school or university. Students considering this course must fulfill pre-requisites and be interviewed by members of the Art department through a portfolio review. Portfolios will be reviewed in the beginning of the school year to determine if the student should enter an AP Drawing or 2-D Portfolio track.

AP Drawing Portfolio: Studio Art (1 credit), Drawing (1 credit), Painting (1 credit)

AP2-D Portfolio: Studio Art or Media Arts (1 credit), or Drawing (1 credit), Painting (1/2credit), Photography (1/2credit), Advanced Computer Graphics (1/2credit)

Grades 11-12 - 1 Credit

## **Media Arts**

Media Arts is a foundation level course that incorporates the New York State Standards for art education. This course will give each student an opportunity to explore the elements and principles of design through the use of electronic media. Students will utilize graphic programs, scanners, digital cameras and experiment with a wide variety of art materials. Within the Media Arts curriculum, students will develop aesthetic sensitivity, practical experiences, technical terminology and a multicultural and historical perspective on the Media Arts. Units in art history, computer graphics, film history, animation and photography will be explored throughout the year. Students successfully completing this course for one unit of credit satisfy the Art graduation requirement.

Grades 9-12 - 1 Credit

## **Computer Art I**

This advanced level media class will encourage an in depth understanding of the role of computer technology as an art medium. Each semester students will produce an independent digital portfolio of artwork utilizing Photoshop 7.0, Flash MX, Dreamweaver, VR Worx and Pixela digital video editing software programs. This course will provide hands on training with digital camera, scanners, digital video cameras and other forms of electronic media.

Grades 9-12 - 1 Credit

Prerequisite: Studio Art or Media Arts 1/2 credits

## **Advanced Computer Art II**

Students taking this course will further explore the many design applications of the PC computer and advanced level graphic software programs. Semester projects will include: Color digital photography, Flash animated movies, Digital video films, Dreamweaver Web site design, VR Worx interactive photographic panoramas, CD cover design, poster designs and other related art projects. Students will create a digital CD ROM portfolio of completed assignments and produce poster size computer prints.

Elective Grades 9-12 - 1/2 credit

Prerequisite: Studio Art or Media Arts - 1/2 credit

## **Animation I**

This course teaches the basics of traditional animation production methods. Students will learn the origins and histories of the medium, as well as experience, firsthand, a wide array of technical approaches. Topics will include timing and spacing methods, overlapping and secondary actions, production design and other "principles of animation." Guest speakers from local studios will highlight the different phases of production covered in class. Students will complete several assignments, each designed to further comprehension of concepts covered in class. Finished assignments will be kept on computer CDs and brought home after the semester's end.

Grades 10-12 - 1/2 Credit

## **Animation II**

Taking off where Animation I leaves off, this course delves much more deeply into character development, staging methods, layout our camera moves within a 2-dimensional field, and other more advanced concerns to the experienced animator. Students will work on short "action analysis" projects in class, as well as create their own original short films, which they can bring home at the end of the semester on computer CDs.

Elective Grades 10-12 - 1 credit

## **Advanced Computer Animation**

This class is an Introduction to the principles of motion graphics using Adobe After Effects, the industry standard in two-dimensional computer animation software. Similar to Adobe PhotoShop, you will be capable of altering digital media with the use of filters, effects, and composition practices. You will learn design for motion graphics projects from concept through production to final delivery as a compressed movie. Students will incorporate digital (both video and still) camera work into their projects. You will also learn the specifics of creating After Effects projects - basics of key frame animation, building multi-layered compositions, designing with effects, transparency, motion typography, audio and rendering compressed movie files.

This class will prepare students who are interested in working the vast field of computer arts, including Web designer, compositor for film/video/television, special effects, and character animator.

Prerequisites: Animation I or II  
Elective Grades 10-12 - 1/2 credit

## **Photography I**

A beginning course of photography which is highlighted by instruction in the use of a 35 mm. camera and the development and printing of photographs you have taken. The class will also include a variety of photo printing techniques and field trips to interesting photo opportunity sites on Long Island or in New York City.

Each student will participate in activities which are centered around the computer and Photoshop software.

Elective Grades 9-12 - 1/2 credit

## **Photography II**

This course will provide the student with further exploration of new and advanced techniques in enlarging (double exposure photographs), color printing, and coloring black & white photos. They will experiment with toning, watercolors, pen & ink, along with special mounting techniques.

The student will also be introduced to the digital camera and its unique capabilities with the computer and the software package Photoshop. This course will enable the student to broaden his/her art portfolio.

Elective Grades 9-12 - 1/2 credit

## **Digital and Color Photography**

This photography course would be a follow-up of the basic photography course. Students would work with color film and negatives to create custom color enlargements. The course would include the use of special filters and camera features that all relate to color photography. In addition, a new feature for our students would be the inclusion of digital photography and the digital camera. The students will become familiar with downloading their photographic images to the computer enabling them to print large formatted color copies. This process is not attainable in the photographic lab.

Grades 10-12 - 1 credit

Prerequisite: Photo I or Media Arts

## **Design and Drawing for Production I & II**

Design and Drawing for Production encourages visual problem solving using a common graphic language to describe forms in the man-made environment. To enable the student to analyze, creatively design and critically evaluate these forms, the course requires researching for

historical precedents, cultural references, environmental impact and future vision.

The Design/Production Process section provides the student with steps a project goes through in industry, beginning with a need and ending with production. The teacher parallels the experiences of a Design Activity Brief to this real life process in order for the student to understand and relate the exercises.

Elective Grades 9-12 - 1/2 credit per semester  
Course fulfills Art/Music requirement for graduation.

### **Design and Drawing III**

This Design and Drawing course will explore the areas of product design, transportation design [automotive] and the field of architecture. A majority of the course will explore basic shelter types, area planning of these shelters, plot planning for the designed structures. A scale model of the designed structure will be submitted for a final portfolio project.

Elective Grades 10-12 - 1 credit

## **Home Economics**

### **Gourmet Basics 1**

Students will explore basic cooking and baking skills, as well as the relationship between food preparation and nutrition. In the foods laboratory, students work in small groups to develop planning, preparing, and evaluation skills. Product packaging, labeling, and advertising, catering projects, and garnishing will also be included.

Elective Grades 9-12 - 1/2 credit

### **International Foods (New International Food II)**

Students will span the globe, learn about many different countries, and understand the various ways of food preparation and seasoning. Students will appreciate how climate and geography affects the

different menus, and become familiar with the many different menus, and become familiar with the many different customs and festivals.

Elective Grades 9-12 - 1/2 credit

### **Fashion Design I**

This Home and Careers' course would utilize basic understanding of visual arts, analysis of past and present fashion trends, as well as textile characteristics affecting appearance and performance. Hands-on sewing, as well as utilizing the sewing machine, is treated as a creative art as well as a practical skill enabling the student to construct casual wear in line with current trends. Related career opportunities in the fashion industry will be addressed.

Grades 9-12 - 1/2 credit

### **Interior Design**

This Home and Careers' course will provide students with an opportunity to apply the principles of design to interior planning. Projects based on problem solving; decision making; and management of time, energy, and interior space will be included. A client or situation approach will help students to relate activities to career opportunities. The course will feature the designing and furnishing of an interior home or business space.

Grades 9-12 - 1/2 credit

### **Eat Lite! (New Course)**

This practical foods laboratory will explore the most appropriate fitness guidelines, including the possibilities to eat, while keeping calories at a minimum. In the foods laboratory, students will develop healthy meal-time choices.

Grades 9-12 - 1/2 credit

## **Mathematics**

### **Mathematics A Parts 1 and 2**

Students begin a three-year sequence that unifies the branches of mathematics. They focus on a study of selected aspects of algebra and geometry, analytic geometry, and statistics. Problem solving skills are emphasized. Math A Regents examination is required at the end of Part 3 of this course.

Grades 9-12 - 1 credit

### **Mathematics A Part 3**

Students continue their work begun in Mathematics A Parts 1 and 2. They will focus on finite math systems, algebra, geometry, locus, quadratic systems and probability. Math A Regents examination is required at the end of this course.

Grades 9-12 - 1/2 credit

### **Mathematics B Part 1**

Students continue their work begun in Mathematics A. They focus on the study of geometric proof, algebraic applications, analytic geometry, circles and transformations. Real-life applications and the graphing calculator are incorporated into the course. Math B Regents examination is required at the end of Part 3 of the course.

Grades 9-12 - 1/2 credit

Prerequisite: Mathematics A Part 3

### **Mathematics B Parts 2 and 3**

With this course, the students complete their three-year unified study of mathematics. They focus on complex numbers, relations and functions including exponential, logarithmic and circular functions. They also further develop their understanding of probability and statistics. The graphing calculator is an integral part of the Mathematics B course. Math B Regents examination is required at the end of this course.

Grades 9-12 - 1 credit  
Prerequisite: Mathematics B Part I

### **Precalculus**

This course will focus on trigonometric functions, identities, conic sections, polar coordinates, systems of equations, inequalities, rates of change, exponential and logarithmic functions, limits, sequences and series. This course is required for all students who intend to enroll in Advanced Placement Calculus.

Elective Grades 11-12 - 1 credit  
Prerequisite: Mathematics B

### **College Calculus**

This course affords students the opportunity to investigate calculus concepts through applications related to a variety of fields including business, science, engineering, and technology. Topics such as: limits and continuity, derivatives, maxima and minima, derivatives, definite integral, Fundamental Theorem of Calculus, and techniques for integration will be studied. The students will experience a hands-on approach through the use of the TI-89 graphing calculator and the Calculator Based Laboratory (CBL). Students will have the opportunity to earn three college credits by paying appropriate fees to Molloy College.

Elective Grades 12 - 1 credit  
Prerequisite: Mathematics B (Pre-Calculus is recommended)

### **Advanced Placement Calculus AB**

In this course, students study topics from analytic geometry and calculus. They study lines, conics, limits, derivatives, related rates, maxima and minima, curve sketching, slope fields, mean value theorem, differentiation of trigonometric, exponential and logarithmic functions, the indefinite integral, area under a curve, and formal integration. Students must take the Advanced Placement Examination in Calculus (AB level) in May.

Elective Grade 12 - 1 credit - Corequisite: Precalculus

## **Advanced Placement Calculus BC**

This course consists of a full academic year of work in calculus. In addition to the topics covered in Calculus AB, the BC course includes other topics such as infinite series, differential equations, logistic growth and vector functions. Students are required to take the Advanced Placement Examination in May. The AP exam will have both a BC score and an AB sub score.

Elective Grade 12 - 1 credit  
Prerequisite: Precalculus  
(Meets 7 1/2 periods/week)

## **Advanced Placement Statistics**

This course is designed to be comparable to a typical non-calculus-based-technology introductory statistics course taught in a college/university. The course emphasizes (1) exploring data, (2) planning a study, (3) anticipating patterns and (4) statistical inference. The graphing calculator & computer software will be the chief tools for data analysis. Students are required to take the Advanced Placement Examination in Statistics in May.

Elective Grades 10-12 - 1 credit

## **Advanced Placement Computer Science A**

An Introductory course in programming using the Java language. The course develops important concepts including: objects, classes, inheritance, data structures, methods, arrays and algorithms. Specific case study codes are used in order for students to support their learning through the application of these techniques.

Elective Grades 11-12 - 1 credit  
Prerequisite: Mathematics B

## **SAT Preparation - Math**

This course is designed to prepare students for the new SAT. Students will be provided with instruction and practice in number and operations, algebra functions, geometry, statistics, probability and data analysis. Mathematical reasoning skills will be emphasized throughout this course. These areas are central to the new SAT examination. This course will be pass/fail.

Elective Grades 10-12 - 1/4 credit

## **Performing Arts: Music and Dance**

### **Art of Dance - Techniques I**

The students participate in a workshop which combines modern jazz and tap dance techniques. The students practice limbering exercises, stretches, body isolations, free-style movement and dance combinations. They learn the basic terminology of tap and practice its techniques such as shuffle, ball changes, and time steps. They learn to use the upper body and arms for stylistic purposes.

Elective Grades 9-12 - 1/2 credit

Course fulfills partial Art/Music requirement for graduation.

### **Art of Dance - Techniques II**

The students participate in a workshop which combines the art of classical ballet and the techniques of modern dance. They stress correct body placement posture and carriage. They practice arm and body positions and develop improved coordination through basic combinations and patterns. Classes include an elementary barre, centre, port de bras, adage, and allegro.

Elective Grades 9-12 - 1/2 credit

Course fulfills partial Art/Music requirement for graduation.

### **Art of Movement I - Dance III**

The students participate in a workshop which introduces them to a cross section of dance techniques developed by pioneer and

contemporary dance innovators. The students participate in a variety of approaches to dance which stress both technical facility and the pleasure of moving gracefully.

Elective Grades 10-12 - 1 credit

### **Art of Movement II - Dance IIIA**

In this workshop which combines techniques and choreography, the students develop individual creativity through personal discovery of movement and movement-related resources. Their exploration of basic compositional studies culminates in fully developed dances. They develop individual and group projects and participate in the school's Choreo Concert. Three to six college credits may be earned.

Elective Grades 10-12 - 1 credit

Prerequisite: Art of Movement I - Dance III and/or a qualifying audition.

Adelphi University (Dance 175/271)

### **Jazz Band**

In this weekly, full-year course, students become acquainted with the elements of Jazz and its production. They study improvisation and perform suitable literature. The jazz band performs at various school functions.

Elective Grades 9-12 - 1 credit

Prerequisite: Audition and membership in large ensemble.

### **Vocal Jazz**

A weekly, full-year course affords students an opportunity to become acquainted with and perform music in the vocal jazz idiom. Vocal independence and complex chordal structures necessitate a strong musical background.

Elective Grades 9-12 - 1 credit

Prerequisite: Audition and membership in a large music ensemble.

## **Chorus**

The chorus provides a vocal experience for students. They sing music of varying styles, languages, and difficulty.

Elective Grades 9-12 - 1 credit

Course fulfills Art/Music requirement for graduation

## **Symphonic Band**

Members of the band study and perform music of symphonic calibre. They provide the music for concerts, football games, parades, and school musicals.

Elective Grades 10-12 - 1 credit

Prerequisite: Sufficient instrument training

Course fulfills Art/Music requirement for graduation

## **Orchestra**

As members of the orchestra students who play string instrument study and perform mature orchestra literature. They participate in concerts, assemblies, and musicals.

Elective Grades 9-12 - 1 credit

Prerequisite: Sufficient previous training.

Course fulfills Art/Music requirement for graduation.

## **Concert Band**

Members of the concert band perform music of medium difficulty. They perform at concerts, football games, parades, and musicals.

Elective Grade 9 - 1 credit

Prerequisite: Some instrumental training.

Course fulfills Art/Music requirement for graduation.

## **Music Theory I and II**

The study of the element of music melody, harmony, rhythm, chords, vocabulary, and notation all lead to an understanding of how to compose music and how music is constructed. This computer assisted course is designed for those with intermediate to advanced musical training. Music Theory I (diatonic) may be repeated one time as Music Theory II (chromatic) and both courses satisfy the three year and five year sequence requirements for music leading to Regents Diploma.

Elective: Grades 10-12 - 1 credit

Prerequisite: Sufficient Musical training

## **Music In Our Lives - I and II**

Music In Our Lives is the New York State mandated course for non-musicians designed to satisfy the Regents requirement for Music and/or Art leading to a Regents Diploma. The course includes the study of music from all periods in history, some musical composition, the "world-of-work" in music and a general knowledge of music and musicians. Music In Our Lives - I is offered in the fall semester and Music In Our Lives - II is offered in the spring semester. Either may be combined with Studio In Art to fulfill the 1 credit needed.

Elective: Grade 9 - 1/2 credit per semester

## **Physical Education - Health**

### **Physical Education (9-12)**

The Physical Education Program contains a variety of physical and cognitive activities with an emphasis on, fitness, a healthy lifestyle, lifetime activities and games through the development and refining of skills and strategies to achieve and maintain a high degree of physical fitness. Special attention will be given to the development of cardio vascular endurance, muscular strength, flexibility, nutrition and personal appearance.

Student attitudes and behaviors towards health and wellness will be explored and developed. Regardless of the activity, the self reliance, socialization skills, cooperative skills, work ethic, respect for others

and integrity of each students can be readily observed, taught, assessed and modeled. The curriculum reflects the stated outcomes of the New York State Learning Standards in Physical Education.

Students in grades 9-12 have the opportunity of selecting course activities of their choice in each semester that will encourage them to discover and broaden capacities through experiences that allow for maximum development. Groupings of three activities will be offered each semester from the following courses: Aerobics, Badminton, Baseball, Basketball, European Handball, Flag Football, Golf, Lacrosse, Personal Fitness, Pickleball, Ping Pong, Project Adventure, Self Defense, Softball, Speedball, Swimming, Tennis, Track and Field, Ultimate Frisbee, Volleyball and Water Polo. Participants must wear sneakers and appropriate clothing to insure safe and comfortable participation.

Two credits required for graduation  
1/2 credit per year

### **Health Education**

In an atmosphere conducive to discussion, students express their feelings and attitudes and discuss behavior patterns. They focus on the individual personality; health problems of social significance; disease prevention and control; community health, and family life. Ultimately each student further develops the ability to make reasonable decisions based on available information.

Required Grade 10 1/2 credit

### **Emergency First Aid**

The students receive cardiopulmonary resuscitation training (CPR) and gain practical and technical first aid knowledge. On completion of this accredited course in standard FIRST AID and CPR, the student receives Red Cross cards awarding certification.

Elective Grades 10-12 - 1/2 credit

## **Emergency Medical Technician**

The student will receive training in emergency, pre-hospital patient care. This course is given under the supervision of the New York State Department of Health and the Nassau County Vocational Education Extension Board. In addition to classroom work, the student must spend ten hours in a hospital emergency department and six hours in outdoor vehicle extrication training. (Arrangements will be at the mutual convenience of the student, hospital and fire department). The student must be 18 years of age by December 31, 2000, and satisfactorily pass a New York State Health Department Practical and Written Exam in order to be certified as a New York State Emergency Technician. As an EMT, the student will have the knowledge and ability to conduct an efficient and organized patient assessment, design a plan of action, institute emergency treatment, and make triage and transport decisions necessary for the patient's survival. A New York State certified Emergency Medical Technician has the options of working with volunteer ambulance and fire departments throughout the state, working in hospitals. The student who successfully certifies will be eligible for 6 college credits. Many colleges also issue tuition discounts to students who are EMT's working with the campus ambulance corps. The EMT certification is reciprocal in many states, some without an additional exam.

Elective Grade 12 - 1 credit  
Jericho High School Library's First Aid Links

## **Introduction to Sports Medicine**

This is an introductory course for a sports medicine program. The topics that will be covered in this course are: the concept of the sports injury, the sports medicine team, the law of sports injury, nutritional considerations, emergency plan, anatomy, recognition and evaluation of common injuries to the body, skin conditions, thermal injuries, taping and bracing and First Aid-CPR/AED.

Elective Grades 10-12 - 1/2 credit

## **American Red Cross**

This course will provide the teaching of the necessary skills for the fulfillment of requirements to be certified in: First aid and lifeguard training, CPR for the professional rescuer and AED certification. Completion of this course will enable the student to take the Nassau County Lifeguard Certification Test.

Elective for P.E. credit 10-12 (must be 15 years of age) 1/2 credit

## **Science**

### **Physical Setting/Earth Science**

This course marks the beginning of the Regents Science sequence and will prepare students for the physical setting-earth science assessment. In addition to the regular daily class period, students meet for an additional laboratory period every other day. Regents Earth Science is an inter-disciplinary course that builds up on the background in science acquired in the earlier grades. Matter, Energy, Space and Time are put into perspective through an inquiry-centered study of the student's environment on Earth. This framework attempts to relate all areas of science. Biology, chemistry, mathematics and physics are basic to understanding the process, which shape our planet and the universe of which it is a component. Although not dealt with as "separate units," elements of astronomy, geology, meteorology and oceanography are strongly interwoven throughout the course. Laboratory activities form the core of this curriculum. Successful completion of laboratory assignments is required for admission to the Regents Examination. All students take the Physical Setting/Earth Science Regents exam at the conclusion of course.

Elective Grades 9-12 - 1 credit  
(Meets 7-1/2 periods per week)

### **Living Environment**

This course prepares students for the NYS Living Environment Assessment. Students develop scientific attitudes, explore inquiry, and develop an understanding of the basic concepts of modern biological science. Although introductory in nature, emphasis on molecular

genetics, ecological relationships and environmental issues, prepare students to understand issues critical for the 21st century life. Laboratory work is a major part of the course. Successful completion of laboratory assignments is required for admission to the Regents examination.

All students take the Living Regents exam at the end of the course.

Elective Grades 9-11 1 credit

(Meets 7-1/2 periods a week)

Elective Grades 10-11 - 1 credit

(Meets 7-1/2 periods a week)

### **Advanced Placement Biology**

Advanced Placement Biology is designed to be the equivalent of the two-semester Biology course required of pre med and other life science majors. Students will gain a thorough understanding of biological systems and receive hands on practice in cutting edge technology. Some of the areas of emphasis include human anatomy and physiology, molecular biology, genetics, cytology, thermodynamics, evolution, gene therapy and recombinant DNA technology. Laboratory work deals with the advanced application of biological procedures and techniques. These protocols range from inserting genes into bacteria to genetic examination of fruit flies. Several molecular biology experiments are performed by students on field trips to the Cold Spring Harbor Laboratories. In addition, all A.P. Biology students will have the opportunity to participate in the Cold Spring Harbor Molecular Honor Colloquium, where they will be invited to the labs to listen to top scientists discuss their latest findings. Students must have successfully completed Regents Chemistry to manage this challenging level of study. All students must take the Advanced Placement Examination at the conclusion of this course.

Elective Grades 11-12 - 1 credit

Prerequisite: Regents Chemistry

(Meets 7-1/2 periods a week)

## **Physical Setting/Chemistry**

The student learns to observe and describe experiences, to organize facts, to generalize relationships, and to predict future experiences. Students gain a modern view of the fundamental concepts of chemistry. This course includes the following topics: matter and energy, atomic structure, bonding, the periodic table, the mathematics of chemistry, kinetics and equilibrium, acids and bases, redox and electrochemistry, organic chemistry, applications of chemical principles, and nuclear chemistry.

Laboratory work is a major part of the course. Successful completion of Laboratory assignments is required for admission to the Regents Examination.

All students take a Regents Examination at the end of the course.

Elective Grades 11-12 - 1 credit  
(Meets 7-1/2 periods per week)

## **Physical Setting/Physics**

The students use scientific measurement to investigate mechanics, transfer of energy by wave motion, electricity, magnetism and nuclear energy. Through extensive lab work, the students refine their understanding of the real world. Through discussions and problem solving, students develop patterns and habits of logical thinking. Laboratory work is a major component of the course. Successful completion of laboratory assignments is required for admission to the Regents Examination.

All students take the Physical Settings/Physics Regents examination or comparable exam at the end of the course.

Elective Grades 11-12 - 1 credit

(Meets 7-1/2 periods per week)

## **Environmental Chemistry: Chemistry in Our Community**

If you are what you eat, how really safe is your food? Do x-rays pose a threat to our health? Is nuclear power a panacea or a plague? The earth's atmosphere gives earth its benign climate. Are we destroying its protective ozone layer with our hair spray? Will the great incubator of life be irreparably damaged as we continue to burn down our rain forests? What is in the water we drink? These are only samples of the topics to be investigated in this laboratory course designed primarily for those students who plan to pursue non-science careers. Chemistry plays an important part in our personal lives. Decisions we make today concerning our environment will have long-term, possible catastrophic effects on our future. Each unit will cover the basic principles of chemistry and allow students to investigate critical scientific and technological issues.

Electives Grades 10-12 - 1 credit  
Prerequisite: Earth Science, Biology  
(Meets 7-1/2 periods per week)

## **Forensic Science**

Forensic Science is a unique and interesting forum to incorporate many different areas of science with real world technology and the criminal justice system. This challenging course will expose students to many new technological advances in forensic medicine and crime solving techniques like DNA Fingerprinting, serology, toxicology, and organic analysis intertwined with "tried and true" scientific processes. This hands-on course will focus on scientific inquiry, logical thinking skills and problem solving procedures to understand how science can be crucial in solving crimes and how this information is gathered and used in a Court of Law. This course will combine many types of teaching strategies including scientific inquiry, hands-on laboratories, use of the Internet and libraries for research papers, field trips, guest speakers, and "murder mystery" scenarios that encourage students to utilize their knowledge learned in class to "solve a crime."

Electives Grades 11-12 - 1 credit  
Prerequisite: Living Environment/Biology (Regents Biology)  
(Meets 7-1/2 periods per week)  
Forensic Science Research Page

## **Advanced Placement Environmental Science**

Advanced Placement Environmental Science is designed to be the equivalent of an introductory college course in Environmental Science. Environmental science is the study of the natural sciences in an interdisciplinary context that always includes people and how they influence the system. It includes many aspects of biology, earth science, fundamental principles of chemistry and physics. This course will provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and man-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Topics include scientific analysis, interdependence of earth systems, human population dynamics, renewable and nonrenewable resources, environmental quality, global changes and their consequences, environment and society. Field and laboratory investigations are an integral part of curriculum. Students must have successfully completed Regents Earth Science, Regents Biology, and Regents Chemistry. All students take the Advanced Placement Examination at the conclusion of the course.

Elective Grades 10-12 - 1 credit

Prerequisite: Regents Earth Science, Regents Biology, and Regents Chemistry.

(Meets 7-1/2 periods per week)

## **Advanced Placement Chemistry**

The advanced Placement Chemistry course is designed to be the equivalent of the General Chemistry course usually taken during the first year of college. The course stresses the development of student abilities to think clearly and logically and to express their ideas orally and in written form. Topics include structure of matter, kinetic theory of gases, chemical equilibria, chemical kinetics, the basic concepts of thermodynamics, and descriptive chemistry. Laboratory work is an important component of the course requirement. Students must have successfully completed Regents Chemistry to manage this level of study. All students take the Advanced Placement Examination at the conclusion of the course.

Elective Grades 11-12 - 1 credit

(Meets 7-1/2 periods per week)

Prerequisite: Regents Chemistry  
AP Chemistry Research Page

### **Advanced Placement Physics**

AP Physics (B) is a course which is equivalent to a full year of non-calculus based college physics (Physics I and II). College credits may be earned based upon the score achieved on the AP Exam. AP Physics covers more topics than Regents Physics and moves at a faster pace. Subject matter is treated in a highly mathematical and conceptual manner and is discussed in greater depth than in Regents. Topics covered include vectors, kinematics, dynamics, circular motion, energy, momentum, torque, heat, thermodynamics, fluid dynamics, electricity, magnetism, waves and optics, and modern and nuclear physics. Laboratory work is integrated throughout the course to supplement the concepts discussed in class. Successful completion of the laboratory assignments is a requirement for admission to the Regents Exam (or comparable examination given at the end of the year). All students enrolled in AP Physics will be required to take the AP Exam in May in addition to the Regents Exam (or comparable final exam) in June.

Meets 10 periods per week.

Prerequisite: Completion or concurrent Chemistry and Math B

### **"Current Topics" in Science**

Current Topics in Science is a lab science elective for juniors and seniors. Past, present and future inventions and their impact on society will be the main focus of the course. This course is an integrated study of earth science, biology, chemistry, physics, technology, and engineering. It provides an arena for discussions/debate in areas of humanities, natural sciences, physical sciences and social sciences, as well as unique and in-depth lab experiences.

Potential topics may include stem cell research, food science, cloning, human genome project, pharmaceuticals, new physics research, space exploration, global warming, deforestation, Long Island geology and our future, understanding major weather events - hurricanes, tornadoes, etc., ethics, and much more. Since this course has an emphasis on new developments in science, it will be constantly changing.

Elective Grades 11-12 1/2 credit

## **Social Studies**

### **Global History I**

The first of a two year course of study which culminates in the required Global History Regents in June of the sophomore year. The course is designed to challenge students to define culture and civilization as they examine how geographically distinct societies developed over time. The students investigate the various components of culture and civilization including social customs, norms, values, and traditions. The emphasis is on the examination of political systems, economic systems, religions and spiritual beliefs. The course examines the development and connectedness of Western Civilization with civilizations and cultures in South and East Asia, Latin America and Africa.

Required Grade 9 - 1 credit

### **Global History II**

The second year of the two year Global History sequence culminates in the Global History Regents in June of the sophomore year. The Enlightenment and the global developments that emanated from the French Revolution begin this year long examination of our modern world. The world-wide Age of Revolution, the Industrial Revolution, the expansion of Europe overseas with its concomitant nationalist reactions and the violent termination of empires, dynasties and tyrannies in Asia, Europe and Latin America permit students to study the effects economic dislocations, racism, political extremism and totalitarianism have had on political and social institutions. The course challenges students to consider varying viewpoints, to analyze, interpret and evaluate primary sources and to integrate economic geography as a causal factor in our study of the past.

Required Grade 10 - 1 credit

### **Advanced Placement European History**

The students explore the major themes of European history. Through an exploration of primary and secondary materials, the student will have an opportunity to sense the flavor of an era, to assess the complexities of issues, and to discover how historians reach

conclusions about the past. Students must take the Advanced Placement Examination, and Regents Examination in Global History I-II. Following the AP Examination students prepare and review for the Global History Regents Exam.

Elective Grades 10-12 - 1 credit

### **United States History and Government**

Beginning with a survey of United States history and intellectual forces from 1607-1865, this course proceeds through five units focused on the United States since 1865. They are: the Industrialization of the United States; At Home and Abroad; Prosperity, Depression and War, 1917-1940; United States in an Age of Global Crisis: Responsibility and Cooperation; A World in Uncertain Times: 1950-Present; and, Looking Backward.

Throughout the course enduring constitutional issues will be studied. They include: National Power limits and Potentials: Federalism the Balance between Nation and State; The Judiciary - Interpreter of the Constitution or Shaper of Public Policy; Civil Liberties - the Balance between the Government and the Individual; Criminal Liberties - Rights of the Accused and Protection of the Community; Equality - its Definition as Constitutional Value; The Rights of Women Under the Constitution; The Rights of Ethnic and Racial Groups under the Constitution; Presidential Power in Wartime and in Foreign Affairs; The Separation of Powers and the Capacity to Govern; Avenues of Representation; Property Rights and Change and Flexibility. At the end of the course students must take the United States History and Government Regents.

Required Grade 11 - 1 credit

### **Advanced Placement American History**

The Advanced Placement Course in American History is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials in American history. The course prepares students for intermediate and advanced college courses by making demands upon them equivalent to those of full-year introductory college courses. Students learn to assess historical materials - their relevance to a given interpretive

problem, their reliability, and their importance and to weigh the evidence and interpretations presented in historical scholarship. Students must take the Advanced Placement Examination in United States History and Government. Following the AP Examination students prepare and review for the United States History and Government Regents Examination.

Elective Grade 11-12 - 1 credit

## **Economics**

This one semester course introduces students to the workings of the American economic system through the use of current and historic newspaper articles. It will emphasize how economic decisions are made and how they affect our daily lives. Topics will include supply and demand, the business community, consumer activities, the role of government, and international trade.

Required Grade 12 - 1/2 credit

## **Advanced Placement Economics**

This ONE YEAR course of study will prepare students for both the macro and the micro economics exams administered by the College Board in May. The basic themes essential to all economics courses (scarcity, opportunity costs, the structure of the U.S. economy, demand, supply and market equilibrium, the price system and market elasticity) are followed by an examination of micro economics (consumers and firms, market imperfections, the role of government, and current micro economic issues including public finance, taxation and labor markets). The third component of the course focuses on macroeconomic theory (measuring national output and income, unemployment, inflation and growth; discussing aggregate expenditure and equilibrium output monetary and fiscal policy as well as aggregate demand and aggregate supply, stabilization, the labor market and inflation).

The two exams in advanced placement economics are offered by the College Board of one fee; each exam is administered in two rather than the traditional three hour time period.

Students are required to take the advanced placement exams. Course meets state graduation requirement in economics.

Elective Grade 12 - 1 credit

### **Economic Ideas and Issues: Project Advance Syracuse University**

This one semester course begins with a presentation of the scientific method and model building which is then used to analyze the question: How do individuals and societies make choices when they are faced with scarcity? Beginning with the individual in the simplest of situations, a one-person society, the course moves step by step to develop a model of a complex society based on division of labor and exchange through markets. The process takes students from the microeconomic to the macroeconomic level, emphasizing the connection between these two perspectives. Students examine the benefits, as well as the problems, inherent in a market-oriented economy. The course prepares students to analyze and understand the ongoing economic policy debate between interventionists and non-interventionists.

Tuition fee required to be enrolled in the course and to receive credit through Syracuse University.

Elective Grade 12 - 1/2 credit

### **Participation in Government**

This is a culminating course that relates the content and skills components of the K-11 social studies curriculum, in particular, and the total educational experience, in general, to the individual student's need to act as a responsible citizen. Then content is drawn from the broad range of experience the student has encountered throughout his/her educational experience. Content in the form of data, facts or knowledge related to problems or issues addressed by the students and the intellectual processes or operation necessary for dealing with the data generated from the problems or issues addressed will be the substance of the course.

Required Grade 12 - 1/2 credit

## **Public Affairs 101 Introduction to the Analysis Public Policy Syracuse University Project Advance**

Offered for three college credits. Satisfies State Required Government Course. Public Affairs 101 is designed to introduce students to basic skills of public policy analysis. These include the ability to define and identify the components of public policy issues; communicate ideas and findings with respect to public policy issues; use library facilities to collect information on public policy issues; use graphs, tables, and statistics in the analysis of public policy; examine the use of surveys; identify a social problem and propose a public policy to deal with that problem; design a study to evaluate the impact of a proposed public policy; and analyze the political factions affecting the implementation of a proposed public policy. The course consists of five modules: Introduction to Basic Concepts Required in the Analysis of Public Policy; Acquiring Information: Surveys, Use of the Library; Introduction to the Use of Graphs, Tables, and Statistics; Formulating and Evaluating Public Policy; Implementing Public Policy.

The primary text for the course is Public Policy Skills by Coplin and O'Leary.

Tuition fee required to be enrolled in the course and to receive credit.

Grade 12 - 1/2 credit

### **Exploring Childhood I (with Lab)**

Students study child development and work with young children on a regular basis; thus, they develop a competence for working with young children and framework for understanding the forces that shape the development of a child. They also gain a sense of their own identity, a better understanding of their own identity, and a better understanding of their families.

Elective Grades 11-12 - 1 credit

### **Exploring Childhood II (with Lab)**

Students who have successfully completed Exploring Childhood I and who select this course as a senior will continue with their on-site experience working with young children. They may also fulfill their

Participation in Government requirement by researching, writing and presenting a paper on a public policy issue that affects childhood development. This must be done with the approval of the teacher.

Elective Grades 11-12 - 1 credit

Prerequisite: Exploring Childhood I

## **Leadership**

This one term course is intended for seniors to meet the government requirement for graduation.

The course examines different leadership theories and analyzes those in positions of leadership in order to ascertain the effectiveness of their practices. Carefully devised classroom activities and community activities (in and out of school) are pursued along with an instructional program adopted from the National Association of Secondary School Principals' LEADERSHIP CURRICULUM GUIDE to form the core of the instructional program. In addition, selected readings on leadership and guest speaker presentations connect theory to practice.

Elective Grade 12 - 1/2 credit

## **Facing History & Ourselves**

This course provides students the opportunity to examine the decisions individuals and governments make which can lead to human rights violations and in extreme cases, genocide. The Holocaust provides the historic background for the course. Students may then choose to use this case as a basis to explore other historical examples of genocide and social injustice such as the Armenian genocide, ethnic cleansing in the Balkans and Rwanda, treatment of Native Americans, and the Trans-Atlantic slave trade. The Nazi "final solution" is examined in depth to explore the social and political milieu in which the Nazi Party came to power. The course examines the means by which the Nazis manipulated stereotypes, legalized discrimination and segregation and removed and eliminated those whom it deemed less than human. The course compares and analyzes decisions in the American political environment that produced the eugenics movement, the relocation of Japanese Americans at the beginning of World War II, and the role that idealism and democracy have played to move our government to

actively oppose and fight discrimination. At its heart this is a course which deals with human behavior. It will require students to look at themselves and the decisions that individuals make that impact others and which influence historical events.

Meets Grade 12 Requirements for Participation in Government.

Elective Grade 12 - 1/2 credit

### **Psychology: Project Advance Syracuse University**

This one semester course provides the student with a college-level introduction to psychology, the scientific study of behavior. The course content has been selected to cover the basic areas of psychological study, areas which will be a foundation on which students may wish to build later by taking other courses in psychology. Opportunities are provided to pursue areas of personal interest in addition to required course materials. Students must register for three college credits through Syracuse University.

Tuition fee required to be enrolled in the course and to receive credit.

Elective Grade 12 - 1/2 credit

### **Advanced Placement Psychology**

A.P. Psychology, which is a year long course, offers students an option to include a research component in the introductory psychology course and, in addition, extends the study of the material to include units not taught in the one term course, including sensation, intelligence, and measurement.

All students must take the Advanced Placement examination at the conclusion of the course.

Elective Grade 12 - 1 credit

## **Tournament Debate**

Tournament Debate teaches students to organize their ideas, and present them to an audience. Being able to evaluate a debate argument is an invaluable skill that students will be able to use throughout school and life. Students combine philosophical arguments with historical facts and current events to construct their arguments. In Lincoln-Douglas Debate, students receive a topic approximately ten days prior to the tournament, and research both sides of an issue. On the Saturday of the tournament, they compete in four rounds of debate, two rounds on each side of the issue. They are judged on the quality of their argumentation. Students also participate in class debates.

Elective Grades 9-12 1/2 credit

## **Technology**

### **Video/Television Production 1 & 2**

This course teaches the basics of electronic news gathering (ENG) and television production. Students will be part of the JET-TV (Jericho Educational Television) team as reporters, camera operators, and editors. The new "state of the art" television studio offers students an opportunity to help produce shows (with our own commercials) that are broadcast on cable. Students will learn the techniques of a four camera shot, directing, scripting, interviewing, advanced editing, and audio mixing. "Everybody is a star at JET-TV", either in front or behind the camera. Many interdisciplinary projects and opportunities are also available. Student work will be entered in various local and national competitions. Guest speakers and related field trips are planned to give students an opportunity to experience "real world" productions.

Elective Grades 9-12 - 1/2 credit per semester - Video 1 is a prerequisite for Video 2

## **Principles of Engineering 1 & 2**

This "hands on" course teaches real world applications of math, science, and technology. Students will work together to produce solutions to various problems. Students learn to design, model, and optimize their creations. Various systems are built, tested, and analyzed. Inventing, machine automation, Rube Goldberg, auto design & safety, structures, and ergonomics are some of the activities of this popular course. The engineers of this class will enter their creations in various local and national competitions, including the prestigious National Junior Engineers Competition. Various guest speakers and related field trips are planned. Students can take this as either a half year or full year elective. It is recommended that students have at least 2 years of regents' math and/or regents' science.

Elective Grades 9-12 - 1/2 credit per semester - POE 1 is a prerequisite for POE 2

## **Principles of Engineering III**

Principles of Engineering is designed to expose the students to the many different disciplines covered in the engineering field to better enable them to make a good decision on the specialty they will pursue in college. POE III is the third in succession of course offered at Jericho High School. Students must have taken POE I, POE II, Algebra, or by teacher recommendation to enroll in the class. This class is designed to work toward entering local and national youth engineering competitions. Students are expected to work to their highest potential.

Elective Grades 11-12 - 1 credit  
Prerequisite POE I & II

## **Introduction to Webpage Design**

This course offers industry-wide recognition of an individual's Internet and Web knowledge and skills. Learn to create and manage Web Sites with Macromedia Dreamweaver, Flash, Frontpage, Dynamic HTML and various multimedia standards. Students will also implement the latest strategies to develop third-generation Web Sites, evaluation design tools, discuss future technology standards, and explore the incompatibility issues surrounding current browsers. Focus on theory, design, and Web construction, along with information architecture

concepts Web project management scenario development and performance evaluations. Students will be involved in update the Jericho High School Web site.

Elective Grades 11-12 - 1/2 credit

## **World Language**

### **American Sign Language I**

This course will provide instruction on the practical use of American Sign Language in addition to information of deaf culture. Students will learn to communicate with the deaf and hearing impaired. It will be language focused and based on the New York State Syllabus for American Sign Language.

Grades 9-12 - 1 credit

This course does not fulfill language requirement for graduation or Regents diploma.

### **American Sign Language II**

This course will provide continued instruction in learning American Sign Language and knowledge of deaf culture. Students will learn to communicate with the deaf and hearing impaired. It will be language-focused and based on the New York State Syllabus for American Sign Language, spiraling on content from ASL I and progressing into more advanced material.

Grades 10-12 - 1 credit

Prerequisite: ASL I

### **Chinese Language and Culture**

Students will begin to develop proficiency in listening to and speaking the Chinese language. They will learn proper pronunciation and engage in simple conversations. Themes will include topics from the New York State Syllabus, such as personal identification, education, travel, health and welfare, etc. There is extensive emphasis on vocabulary acquisition. Chinese culture will be explored through readings, projects,

and interactive activities. Chinese characters will be introduced to allow for visual/written expression. This course does not fulfill the requirements for a 3 year sequence in a World Language.

Elective Grades 9-12 - 1 credit

### **French Level I**

Students begin to develop proficiency in listening and speaking the French language. They learn proper pronunciation and engage in simple conversations. There is extensive emphasis on vocabulary acquisition. Simple grammatical structures are learned and gradually, with the use of authentic materials, the students develop basic reading and writing skills. Focus is also on the culture and contributions of France.

Elective Grades 9-12 - 1 credit

### **French Level II**

The students continue to develop their proficiency in the four basic skills of listening, speaking reading, and writing. They expand their vocabulary, improve their pronunciation, and learn more complex grammatical structures in order to communicate in a variety of real-life-situations. The students further develop their knowledge of French culture and civilization.

Elective Grades 9-12 - 1 credit

Prerequisite: French I

### **French Level III**

The students continue to develop the four basic language proficiencies in a communicative setting. Emphasis continues to be on the acquisition of an extensive active vocabulary that will enable them to communicate in a wide variety of real-life-situations. The objective of the course is to fulfill all the requirements for Checkpoint B as outlined in the New York State Syllabus for Foreign Language. Extensive preparation is made for the Comprehensive Regents Examination in French that is administered at the end of the course.

Grades 10-12 - 1 credit

Prerequisite: French II

### **French Level IV**

The students continue to develop communicative competence as they read and discuss selections of well known literary works. Film study adds a new component to learning about history as well as contemporary culture. Students discuss a variety of contemporary topics gathered from authentic materials including Internet sites, newspapers, and magazines. They expand their vocabulary, learn advanced grammatical structures and improve their writing skills. Those students wishing to enroll can take this course for college credit through Adelphi University. Three to six college credits may be earned.

Grades 11-12 - 1 credit

Prerequisite: Successful Completion of French III (Regents)

(Adelphi French 121-122)

### **French Level V**

The students continue to improve communicative competence as they read literary selections from the French-speaking world and study the historical and social settings of these selections. Film study continues to be an integral part of the course work. The students expand their active vocabulary and learn advanced grammatical structures as they improve their conversation and writing skills. Those students wishing to enroll can take this course for college credit from Adelphi University. Three to six college credits may be earned.

Grades 11-12 - 1 credit

Prerequisite: Successful Completion of French IV

(Adelphi French 131-132)

Advanced Placement French

This course of study will prepare students to take the rigorous AP exam. The students in this course will work to reach a high skill level in listening, and reading as well as a high level of self-expression in speaking and writing. Emphasis is placed on intensive grammar study and the acquisition of an expanded literary vocabulary. Extensive preparation is required. Literary selections from the French speaking world and the study of significant films are part of the curriculum.

All students take the Advanced Placement Exam at the conclusion of the course.

Grades 11-12 - 1 credit

Prerequisite: Successful Completion of French IV

### **Advanced French Conversation**

Students become facile in general conversation and in conversation for the traveler. They develop vocabulary and expressions around selected topics and practice them both in full class and small group discussion. Using a variety of media and methods, the students further develop skills as they examine cross-cultural issues. Only French is used in the classroom.

Grades 11-12 - 1 credit

Prerequisite: Successful Completion of French III (Regents)

### **Italian Level I**

Students begin to develop proficiency in listening and speaking the Italian language. They learn proper pronunciation and engage in simple conversations. There is extensive emphasis on vocabulary acquisition. Simple grammatical structures are learned and gradually, with the use of authentic materials, the students develop basic reading and writing skills. They begin to explore Italy's culture and its contributions to our civilization.

Elective Grades 9-12 - 1 credit

## **Italian Level II**

The students continue to develop their proficiency in the four basic skills of listening, speaking, reading, and writing. They expand their vocabulary, improve their pronunciation, and learn more complex grammatical structures in order to communicate in a variety of real-life situations. The students further develop their knowledge of Italian culture and civilization.

Grades 9-12 - 1 credit

Prerequisite: Italian I

## **Italian Level III**

The students continue to develop the four basic language proficiencies in a communicative setting. Emphasis continues to be on the acquisition of an extensive active vocabulary that will enable them to communicate in a wide variety of real-life situations.

The objective of the course is to fulfill all the requirements for Checkpoint B as outlined in the New York State Syllabus for Foreign Language. Extensive preparation is made for the Comprehensive Regents Examination in Italian that is administered at the end of the course.

Grades 10-12 - 1 credit

Prerequisite: Italian II

## **Italian Level IV**

This course of study will further develop the skills of listening, speaking, reading and writing, with special emphasis on the development of conversational competence. Through the use of short stories, poetry selections, television and films the students will broaden their knowledge and appreciation of Italian culture. They develop a more enhanced vocabulary through their study of literature and film. The students learn more advanced grammatical structures as they improve their speaking and writing skills. Those students wishing

to enroll can take this course for college credit through Adelphi University Three college credits may be earned.

Grades 11-12 - 1 credit

Prerequisite: Successful Completion of Italian III (Regents)

Adelphi Italian 121

### **Italian Level V**

This course of study is designed to further enhance the skills which the students have already acquired. In this course students read and analyze selections of literature, organized thematically. The literature is integrated with film studies, selections of Italian music and television broadcasts in order to broaden the students' knowledge and love for Italian culture. They develop vocabulary and expressions based on the topics and practice them in class discussions. Use of the computer lab, both for research and projects, is an essential part of this course. Students review previously learned grammatical structures. In addition, new grammatical topics are presented and practiced. Those students wishing to enroll can take this course for college credit from Adelphi University. Three college credits may be earned.

Grades 11-12 - 1 credit

Prerequisite: Italian IV

Adelphi Italian 122

### **Latin Level I**

The students begin their study of the fundamental structures of classical Latin through extensive readings in the language. Emphasis is on the acquisition of a large active and passive vocabulary. Through intensive study of word derivation and word building, the students expand their English vocabulary and their understanding of the English language. They begin to explore the historical and cultural contributions of the Greco-Roman civilization to our Western civilization.

Grades 9-12 - 1 credit

### **Latin Level II**

The students broaden their knowledge of the structure of Classical Latin through reading original and adapted passages from selected Roman authors. The students increase their proficiency in English through word study, word derivation, vocabulary expansion, and the study of Latin phrases and abbreviations in English. They deepen and expand their knowledge of Greco-Roman culture and its effect on and presence in Western culture.

Grades 9-12 - 1 credit

Prerequisite: Latin I

### **Latin Level III**

The students continue to broaden and deepen their understanding and appreciation for the Greco-Roman language and culture. They read selections from Roman authors. Emphasis is given to the expansion of the student's proficiency in English through extensive derivation from Latin vocabulary. The objective of the course is to fulfill all the requirements for checkpoint B as outlined in the New York State Syllabus for Foreign Language. Extensive preparation is made for the Comprehensive Regents Examination in Latin that is administered at the end of the course.

Grades 10-12 - 1 credit

Prerequisite: Latin II

### **Latin Level IV**

The students read excerpts from famous Latin authors. They learn basic concepts of the Roman art of rhetoric, the development of the Indo-European family of languages, and the development of English vocabulary from Latin and Greek roots. Emphasis is placed on the historic development of Rome and its influence in the modern world. Students prepare for the Latin SAT II.

Grades 11-12 - 1 credit

Prerequisite: Successful Completion of Latin III (Regents)

### **Advanced Placement Latin**

In this course, students will read and analyze more than 1,800 lines of poetry drawn from the writings of two Roman authors, Catullus and Ovid. Students will further develop their critical thinking and analysis skills through the use of rhetorical and poetic devices and "Swimtag" techniques. Expansion of their Latin vocabulary is essential as well as their awareness of this historical and cultural time period, The Golden Age of Latin literature. In May, students will sit for the Advanced Placement Examination in Latin.

Prerequisite: Successful Completion of the New York State Comprehensive Examination in Latin.

### **Spanish Level I**

Students begin to develop proficiency in listening and speaking the Spanish language. They learn proper pronunciation and engage in simple conversations. There is extensive emphasis on vocabulary acquisition. Simple grammatical structures are learned and gradually, with the use of authentic materials, the students develop basic reading and writing skills. They begin to explore the culture and civilization of the Spanish-speaking world.

Grades 9-12 - 1 credit

### **Spanish Level II**

The students continue to develop their proficiency in the four basic skills of listening, speaking, reading, and writing. They expand their vocabulary, improve their pronunciation, and learn more complex grammatical structures in order to communicate in a variety of real-life situations. The students further develop their knowledge of the culture and civilization of the Spanish-speaking world.

Grades 9-12 - 1 credit

Prerequisite: Spanish I

### **Spanish Level III**

The students continue to develop the four basic language proficiencies in a communicative setting. Emphasis continues to be on the acquisition of an extensive active vocabulary that will enable them to communicate in a wide variety of real-life situations. The objective of the course is to fulfill all the requirements for Checkpoint B as outlined in the New York State Syllabus for Foreign Language. Extensive preparation is made for the Comprehensive Regents Examination in Spanish that is administered at the end of the course.

Grades 10-12 - 1 credit

Prerequisite: Spanish II

### **Spanish for Language and Culture**

The students will continue to develop their skills in the four language skills, emphasizing oral communication, reading for language in context, writing on a variety of topics, and listening in authentic situations. The topics, functions, situations, and proficiencies are based on the New York State Syllabus. Grammar is presented and reviewed in context. The students expand their understanding and awareness of Spanish culture through a variety of authentic documents and realia. This course cannot be taken for college credit. This course cannot be repeated for credit.

Grades 11-12 - 1 credit

Prerequisite: Successful completion of Spanish III (Regents)

### **Spanish Level IV: Literature**

The students read selections from various Spanish authors which provide a basis for extensive oral communication. They discuss a variety of contemporary topics gathered from authentic materials, including video tapes, magazines and newspapers. The students expand their active vocabulary and review grammatical structures.

Those students wishing to enroll can take this course for college credit from Adelphi University. Three to six college credits may be earned.

Grades 11-12 - 1 credit

Prerequisite: Successful Completion of Spanish III (Regents)

(Adelphi Spanish 232)

### **Advanced Placement Spanish Language**

This course of study will prepare students to take the rigorous AP exam. The students read selections from famous Spanish authors. They discuss the social and historical settings of the selections, and examine and compare different styles of writing. The students research cultural and literary topics and make presentations of their reports. Emphasis is placed on intensive study of grammar and the acquisition of an expanded literary vocabulary. Audio-visual materials are used for cultural enrichment. Intensive preparation is made for the required Advanced Placement examination.

Grades 12 - 1 credit

Prerequisite: Successful Completion of Spanish for Language and Culture or Spanish Literature.

### **Spanish V: Advanced Spanish Conversation**

The students master topical vocabularies, grammar, idioms, and practical expressions on an advanced level. Newspapers, magazines, television and films are used to stimulate discussion. This course stresses aural comprehension and oral proficiency. Only Spanish is used in the classroom.

Grades 11-12 - 1 credit

Prerequisite: Successful Completion of Spanish III (Regents)

Three college credits may be earned  
(Adelphi University 251)

## **Nassau Tech Programs**

### **Technical and Vocational**

The Technical and Trade School (Nassau Tech) will provide, in addition to the Jericho academic courses, occupational education for all students recommended by their guidance counselor after a conference with parents. The school offers a wide selection of vocational programs and supplies the tools and equipment necessary to meet course requirements. These courses may be of one, two or three years' duration. Students uncertain of their vocational interest may enroll for a year in any occupational exploration course before choosing a definite course. Students enrolled in B.O.C.E.S. are encouraged to attend the A.M. (8:00-10:40) session and take their required academic courses at Jericho in the afternoon.

The Technical courses are worth four credits per year and may be applied as a sequence towards graduation.

Elective Grades 10-12 - 4 credits

### **Cultural Arts**

The Cultural Arts program at B.O.C.E.S. is a half-day program (8:00-10:30 A.M.) designed for students wishing to excel in the areas of drama, musical theater, playwriting, art, instrumental and vocal music. Admission to all areas is by audition and any student wishing to attend must demonstrate expertise. Upon successful completion of the program, four credits will be awarded.

Elective Grades 10-12 - 4 credits

For major sequence two years in program required.

## **Special Study Opportunities**

### **9th Grade Introduction to Research Seminar Course**

This seminar course provides introductory information about: the nature of research; the scope and methods of science research, the scope and methods of social science research, and the scope and

methods of mathematics research; the structure of the Jericho High School Research Program; expectations of students who join the program. The goal of this course is to allow students to effectively choose one of the three fields of research to pursue in the tenth grade and beyond, and to develop, in the students, appropriate expectations of the level of commitment necessary for full participation in a research program.

One semester, Fall or Spring; Meets every day - 1/2 credit

### **10th Grade Beginning Research Course in Science**

### **10th Grade Beginning Research Course in Social Science**

### **10th Grade Beginning Research Course in Mathematics**

The student will opt for a Beginning Research course in the sciences, or social sciences or mathematics. The instructional component of the course will focus on research methods and practices, including, but not limited to such topics as: the literature search, bibliography development, choosing a research question, developing hypotheses, research paradigms, data collection, data analysis, and communication of results. The hands-on component of the course will involve the development, by the student, projects suitable for entry into a variety of competitions. This course is a prerequisite for remaining in the Research Program.

Full year; meets every day - 1 credit

### **11th Grade Intermediate Research Course in Science**

### **11th Grade Intermediate Research Course in Social Science**

### **11th Grade Intermediate Research Course in Mathematics**

The instructional component of the eleventh grade course would focus on: advanced research design, advanced data analysis and statistics, and research ethics. The hands-on component will be geared toward the design and execution of a project idea for investigation by the student, and hopefully lead to an "Intel level" research project. As appropriate, time will also be spent in the establishment of connections between students and professional mentors who will assist

in the guidance of students as they perform their research. Eleventh grade students will be encouraged to enter their research projects in research fairs and contests. The Intermediate Research course is a prerequisite for continuing in the Research Program.

Full year; meets every day plus 2 second-period lab periods per week.  
- 1 credit

### **12th Grade Advanced Research Course in Science**

### **12th Grade Advanced Research Course in Social Science**

### **12th Grade Advanced Research Course in Mathematics**

Students will complete their research projects and then write their research paper and prepare presentation materials. They will enter the senior level contests appropriate to their area of study, such as the Siemens-Westinghouse Science and Technology Competition, the Intel Science Talent Search, St. John's Junior Science and Humanities Symposium, Long Island Science and Engineering Fair, Long Island Science Congress, Al Kalfus Long Island Math Fair, and Shipley Ronal Invitational Science Fair.

Fall Semester; meets every day -1/2 credit

### **12th Grade Presentation of Research Course in Science**

### **12th Grade Presentation of Research Course in Social Science**

### **12th Grade Presentation of Research Course in Mathematics**

Students will concentrate primarily on the communication of their project results, through oral and visual displays which they will prepare and present at the various contests and symposia for seniors.

Spring Semester; flexible scheduling; - 1/2 credit

## **Work Study Program**

This program is designed for the student who either has a job or is willing to get one outside of school. The job becomes the basis for a learning experience whereby topics relevant to that particular employment situation are researched. Insight is also gained by understanding general employment practices, conditions and labor department regulations. The amount of credit and student work necessary are determined by contract with the advisor/coordinator.

Elective Grades 11-12 - Credit to be determined

## **Senior Initiative Program**

Comprised of three learning strands, research, service, and internships, Jericho High School's Senior Initiative Program strives to have Seniors implement independent learning plans to explore an area of interest. The program provides an important transition from high school to college by having students extend their learning beyond the school's walls.

This program teams students, individually and in groups, with teacher mentors to establish and pursue an area of inquiry. Together with community mentors, students establish partnerships, employ strategies and develop projects.

Although the program is unique for each Senior, all must be involved in research, journal-keeping, portfolio development and presentation of accomplishments or projects as a culminating assessment. In addition to regular contact with the teacher mentor, each participant must be involved in a series of Senior seminars which are held throughout the year. These seminars focus on common issues to facilitate a successful internship and project. Topics range from interview and networking skills to time management issues to presentation development. Ethical and legal concerns are also addressed.

Areas presently being explored include the Humanities, Science and Medicine, Politics and Social Issues, Publishing, Journalism, Marketing, Sports, Education and the Law.

Elective Grade 12 - 1/2 credit

## **College Credit Possibilities at Jericho High School**

Jericho students have the opportunity to take college credits while at Jericho High School. There are many ways of accomplishing this.

### **PROJECT ADVANCE SYRACUSE UNIVERSITY**

Syracuse University offers to Jericho seniors four college-level courses: Psychology, Government, and Economics, for which they offer three college credits. Freshman English (a full-year course) is offered for six credits. Tuition fee required to be enrolled in these courses and to receive credit.

Elective Grade 12 - 1/2 credit

### **ADELPHI UNIVERSITY COLLEGE COURSES**

Adelphi University offers to Jericho students college level courses in foreign languages, dance and child development for which they offer three college credits. Tuition fee required.

### **LIU-C.W. POST COLLEGE COURSES**

LIU-C.W. Post College offers to Jericho students college-level courses in Accounting, Business and Criminal Justice for which they offer three - six college credits. Tuition fees required.

### **N.Y. INSTITUTE OF TECHNOLOGY COLLEGE COURSE**

Seniors at Jericho High School have the opportunity to enroll in college courses given by N.Y. Institute of Technology by their instructors on their campus. These courses can be used for high school credit as well as for future transferable college credit. The student is advised to check with the admissions department of their intended college for credit transferability. Students must indicate in the scheduling process their intention to take courses at N.Y. Tech. There is NO charge for any courses taken and transportation is provided to and from the Old Westbury N.Y. Tech campus.

## **ADVANCED PLACEMENT COURSES**

Jericho High School offers Advanced Placement courses for college credit in English Literature, English Language and Composition, European History, American History, Psychology, Economics, Biology, Chemistry, Physics, Environmental Science, Calculus AB, Calculus BC, Computer Science, French, Spanish, Statistics and Government. Students who pass the exam with the required mark may receive advanced placement and/or from 3 to 8 credits, depending upon the college.

Students enrolled in A.P. courses are required to take A.P. Exam.

## **COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)**

The College Entrance Examination Board offers college-level examinations in many subject areas. Students passing these exams may receive from 3 to 8 college credits, depending upon the college. There is no special course work at Jericho for this test.

## **INDEPENDENT STUDY**

An opportunity for students to pursue study in subject areas not offered within the regular curriculum under the guidance of a teacher appropriately certified. While the independent study will be recorded on the student's transcript, no grade or credit will be awarded. Students will apply for an independent study by developing a proposal. Proposal needs to be submitted to the appropriate curriculum associate for review. Students will be notified by the principal whether the independent study proposal has been approved.

## **Student Support Services**

### **Counseling**

Counseling services are available for every student in the school. These services include assistance with educational planning, career information, study skills, home, school and/or social concerns, or any question the student would like to discuss with the counselor.

Students wishing to visit a counselor should contact the secretary in the Guidance Office to arrange for an appointment.

Parents are welcome to call the Guidance Office. They may also set up a specific guidance appointment by telephone (681-4427, 681-4248). Counselors are also available on specific evenings from 7:00 to 9:00 p.m. for individual appointments.

In addition to the counselors, the Guidance Office has a number of other resources that will be of help. There is information on occupations and careers, on colleges and on technical training programs. The Guidance Office also posts dates of important examinations such as College Boards and important meetings on the guidance bulletin board in the Guidance Office. Information on colleges and scholarship programs is also posted there.

### **The Psychologist**

The school psychologist is available to meet with students who are experiencing difficulties with social and family issues. Often the student is referred by the guidance counselor; however, at times the student may wish to initiate the contact directly with the psychologist.

The psychologist counsels students individually and in groups, and also in meetings with parents. All meetings with the psychologist are confidential.

### **School Social Worker**

The School Social Worker invites students to join discussion groups on a regular basis to express concerns about problems they might be experiencing and/or speak to the counselor on a one-to-one basis. Services also include substance abuse information and parent education programs.

### **The Learning Center**

The Learning Center is designed to help students with disabilities develop strategies in organizational skills, study skills and test taking skills. Students also receive services from Reading and Speech teachers. They instruct students in decoding, comprehension,

expressive and receptive language skills. Services are provided as per a student's IEP.

### **English as a Second Language**

Students with limited English proficiency receive instruction in English language skills. They may also receive content area instruction through an ESL approach.

### **Academic Support Class**

Support classes assist students on the Regents level in all academic areas, as well as address academic needs and organizational skills. Services are provided as per a student's IEP, or as per a description of being "at risk" for success in Regents level courses and/or examinations.