

DEER PARK HIGH SCHOOL

COURSE CATALOG



2011 - 2012

DEER PARK HIGH SCHOOL
1 FALCON PLACE
DEER PARK, NEW YORK 11729

Principal's Message

Dear Students, Parents, and Guardians:

This course catalog is designed to provide you with information about courses and their availability, recommended sequences, and graduation requirements. As you will read, there is a wide selection of rigorous courses to consider. You must plan carefully to meet your individual needs. Taking the required courses and electives in varied academic disciplines will prepare you to graduate from Deer Park High School with a comprehensive education in preparation for your future endeavors.

You should carefully review your graduation requirements and the necessary courses and examinations for the Local, Regents and Advanced Regents Diplomas. Please see the assessment requirements in order to understand exactly what you will need in order to earn each diploma. Make sure you discuss all of your choices with your teachers and guidance counselor. Collaborating with them will ensure appropriate course selections. Remember to consider graduation requirements as well as your future aspirations.

Choose courses that will challenge you and broaden your horizons. I am confident that you will make informed and wise decisions for your 2011-2012 program.

Sincerely,

Mr. James R. Cummings
Principal

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GRADUATION CREDIT REQUIREMENTS & REQUIRED STATE ASSESSMENTS

*In order to earn a diploma, every student must earn a **minimum of 22 credits** in addition to meeting specific testing competencies. Only those students who successfully complete the diploma requirements will take part in the graduation exercises. Students Entering 9th grade as of September 2005 and beyond.*

GRADUATION CREDIT REQUIREMENTS

Required Subjects	Regents Diploma	Regents Diploma with Advanced Designation
English	4	4
Social Studies	4	4
Science	3*	3*
Mathematics	3	3
Language Other Than English (LOTE)	1**	3***
Health	.5	.5
Art/or Music	1	1
Physical Education	2	2
Electives	3.5	1.5
Total Requirements Credits Minimum	22	22

* Courses must include one from the physical sciences, one from the life sciences and a third may be from either life or physical sciences.

** Students must complete two units of study of Checkpoint A in a Language Other Than English (LOTE) and earn one high school credit by the end of grade 9. One unit of credit is earned either by passing the State LOTE Proficiency Exam in Grade 8 or by passing a foreign language course in Grade 9.

*** The 3 units of credit required in LOTE may also be met by completing 1 credit in LOTE and 5 units of credit in one of the following: Art, Music or Career and Technical Education.

REQUIRED STATE ASSESSMENTS

Entering Freshman Class	Regents Diploma	Regents Diploma with Advanced Designation
2005	Score 65 or above on 5 required Regents exams	Score 65 or above on 8 required Regents exams
2006	Score 65 or above on 5 required Regents exams	Score 65 or above on 8 required Regents exams
2007	Score 65 or above on 5 required Regents exams	Score 65 or above on 8 required Regents exams
2008	Score 65 or above on 5 required Regents exams	Score 65 or above on 9 required Regents exams
2009 and beyond	Score 65 or above on 5 required Regents exams	Score 65 or above on 9 required Regents exams
Required Exams	English Comprehensive Regents, Integrated Algebra Regents, Global History Regents, U.S. History Regents, and Science Regents	English Comprehensive Regents, Global History Regents, U.S. History Regents, Physical Setting Science Regents, Living Environment Regents, LOTE Regents, Integrated Algebra Regents, Geometry Regents & Algebra II/Trigonometry Regents

Upon entry into the high school, a student will be assigned to a guidance counselor who will assist him/her throughout high school. Counselors are here to answer student questions and to ease their concerns about their life and studies at Deer Park High School and to assist you in making plans for the future. The guidance counselors are a rich source of information on every aspect of career opportunities, visitations of colleges and vocational schools, admissions, news of scholarships, test dates, applications for financial aid, etc. Students and parents are encouraged to get to know their guidance counselor. The partnership you establish with your counselor will help ensure open lines of communication and success throughout high school.

HIGH SCHOOL ATTENDANCE

The Board of Education desires to work closely with parents and guardians to ensure regular attendance of all students. The school staff will discuss the importance of school attendance and offer assistance to parents and guardians of students who are excessively absent. Please consult the Deer Park High School Student Handbook to review the District Attendance Policy. The handbook will explain: procedures, class participation as it relates to the attendance policy, and disciplinary consequences. There will be an annual review of this policy to make updates and revisions, as needed.

GRADE LEVEL PROMOTION

Promotion to 10th grade:

For a 9th grade student to be promoted to 10th grade the student must have earned a total of 5 credits including: 3 combined credits: from English, Math, Science and Social Studies and a 1/2 credit in Physical Education. The student must pass at least 1 regents exam.

Promotion to 11th grade:

For a 10th grade student to be promoted to 11th grade the student must have earned a total of 11 credits including: 2 English credits, 2 Social Studies credits 1 Physical Education credit, and at least 3 credits in Math and Science. The student must pass at least 2 regents exams.

Promotion to 12th grade:

For an 11th grade student to be promoted to 12th grade they must have earned a total of 17 credits. If a student has 16 or less credits they will be retained and will not have senior privileges.

SENIOR PRIVILEGES:

Seniors who are in good standing may enjoy the following senior privileges: the ability to leave campus for lunch, parking on campus (if you are successful in obtaining a parking pass through the school's lottery), having up to three class periods not assigned to a class or IPP and all senior class activities. In order for a student to be rewarded senior privileges a student have must earned the following credits: 3 English, 3 Social Studies, 1 1/2 Physical Education, 5 of the 6 credits needed in Math and Science and 1 1/2 credits combined from the following group; Fine or Performing Arts, Health, and World Languages. The student must pass at least 5 regents exams.

Seniors who become ineligible as per the district's attendance, discipline and academic policies, at any point throughout the year for any reason WILL LOSE THEIR SENIOR PRIVILEGES. Seniors who are failing multiple classes may lose their senior privileges.

COURSE SELECTION & SCHEDULING POLICIES

During the second semester of the school year, guidance counselors will be meeting with students in small groups to review their course selections and graduation progress. Parents are encouraged contact their child's guidance counselor for scheduling questions. Final schedules will be mailed home in mid-to late August.

GUIDANCE

SCHEDULE CHANGE POLICY

Adding Courses

1. A student may only add a course(s) to his/her program after receiving a schedule if the course enrollment allows, and if the student is unassigned during the time the course is offered.
2. Course additions for first-semester and full-year courses can only be made during the first ten(10) school days or by permission of the appropriate teacher and building administrator.
3. Students who wish to add a course the second semester may do so after conferring with their counselor, but no later than the first five (5) school days of that semester or by permission of the appropriate teacher and building administrator.

Dropping Courses

Dropping courses will only be permitted under extraordinary circumstances after the school year has begun. Students who wish to drop a course(s) must have parental approval as well as the permission of the classroom teacher, guidance counselor, and the proper building administrator. **If a student drops a class after the first quarter, the report card and transcript will show a "WF" (withdrawn fail) for the quarter and final grade.**

Please be aware of the Schedule Change Policy when course selections and their alternates are made. Careful choices during the course selection process should eliminate the need for schedule changes. Schedule changes will **NOT** be made for such reasons as:

- **Change of Teacher**
- **To arrive to school later**
- **To leave school earlier**
- **Preference to take a different course**
- **Change of lunch period**

REQUEST TO CHANGE COURSE LEVEL

After the schedule change deadline, students may request to change the level (Regents, Honors, AP) of a course, if they feel that they are inappropriately placed in a course. To change a course level, a consensus must be reached by the student, parent/guardian, counselor, teacher, and building administrator.

In order to request a change of course level, a student must complete the following steps:

1. The student must meet with counselor to discuss his/her request.
2. The student and parent complete section I of the

"Request to Change Course Level" form.

3. The student must meet with his/her teacher and department director to discuss his/her request and obtain the necessary signatures.
4. Once sections 1, 2, and 3 are completed, the student should return the "Request to Change Course Level" form to his/her guidance counselor.
5. Final approval must be received by the building principal.

ACADEMIC INTERVENTION SERVICES (AIS)

Academic Intervention Services are intended to assist students who are at risk of not achieving the State Learning Standards in English Language Arts, Mathematics, Social Studies and/or Science, or who are at risk of not gaining the knowledge and skills needed to meet or exceed designated performance levels on state assessments. Academic Intervention Services are mandated, and will be provided when students, in grades nine to twelve, score below the state designated performance level on one or more of the state intermediate assessments. No credit is granted for AIS courses.

PROGRAM LEVELS

GUIDED LEARNING (G) These courses are designed to provide support to students. Students will earn a grade in these courses however the grade is not a part of their cumulative average.

NON-REGENTS (NR)

REGENTS (R) Designed to meet the needs of those students who can follow the regular New York State Education Department Syllabus, the Regents Program requires a Regents examination at the completion of specific courses.

HONORS (H) Honors programs are open to selected students. These courses cover the required content for the respective grades with in-depth exploration and enrichment. Students will study additional areas of personal interest or areas suggested by their teachers, evolving from expansion of the existing curricula.

ADVANCED PLACEMENT (C) Advanced Placement courses offer students an opportunity to take a course taught on a college level. Both enrichment and college credit are available to the dedicated student. Intensive classroom work and independent study and research are an integral part of

GUIDANCE

the program. The cost of taking AP Examinations is absorbed by the student. The examination is administered by the College Entrance Examination Board and a five-point college level scale is used. According to the College Entrance Examination Board publication, over 1,000 colleges and universities will grant advanced placement credit to candidates who have composite grades of 4 or 5. Students enrolled in an Advanced Placement course must sit for the A.P. exam. A.P. examinations **must** be taken to receive the weighting for student grade point average purposes and to receive A.P. credit from their college/university.

College (C) College level courses offer students an opportunity to take a course taught on a college level. Students enrolled in these courses have the opportunity receive credit from the specific university that sponsors that course.

GRADING

The grade point average is the average of all final grades, including summer school, earned by a student by September of senior year. A half-year course has half the value of a one-credit course. All credit bearing courses are counted. Grades of P or F are not counted. Students who repeat a failed course have the higher grade entered once, but do not earn an additional unit of credit.

WEIGHTING

The final grade in all courses as they appear on the transcript are un-weighted. At the completion of the eleventh grade year, a weighted grade point average (GPA) is determined for each student. The weighted GPA is calculated by multiplying the final grade for each course by the appropriate course credit and weighting factor and then averaging the resulting grades. The weighting system is as follows:

Students in grades 11 &12 for 2011-2012 refer to the weighting below.

<u>Course Type/Level</u>	<u>Weighting</u>
Advanced Placement/College (C)	1.3
Honors Courses (H)	1.2
Regents Level Courses (R)	1.1
Non-Regents Level Courses (N)	1.0

Students in grades 9 & 10 for 2011-2012 refer to the weighting below.

<u>Course Type/Level</u>	<u>Weighting</u>
Advanced Placement/College (C)	1.2
Honors Courses (H)	1.1
Regents Level Courses (R)	1.0
Non-Regents (NR)	1.0

REQUIREMENTS TO ENROLL IN AN ENGLISH OR SOCIAL STUDIES HONORS OR AP COURSE:

Enrollees in the Honor/AP program in Social Studies or ELA are chosen based on a review of student performance in ELA and Social Studies classes in middle school as well as high school. A student must maintain a final average of 90 in both subject areas in order to be considered for enrollment in either the Social Studies or ELA honors/AP program. In addition a student's performance on New York State ELA 8 exam and Social Studies 8 exam will be taken into consideration. Permission of the departmental supervisor is required.

Students enrolled in the Honors program must maintain a minimum average of 85 and have a final average of no less than 85 at the end of the year. Students who fail to maintain these grade standards will be removed from the program at mid-year or at the end of the year.

REQUIREMENTS TO ENROLL IN A MATH OR SCIENCE HONORS OR AP COURSE:

Enrollees in the Honors/AP program in Math or Science are chosen based on a review of student performance in Math and Science classes in middle school as well as high school. A student must maintain a final average of 90 in both subject areas in order to be considered for enrollment in either the Math or Science honors/AP program. In addition a student's performance on New York State Science exam and Math exam will be taken into consideration. Permission of the departmental supervisor is required.

Students enrolled in the Honors program must maintain a minimum average of 85, have a mid-year average of at least 85 and have a final average of no less than 85 at the end of the year. Students who fail to maintain these grade standards will be removed from the program at mid-year or at the end of the year.

HONOR ROLL/HIGH HONOR ROLL

SILVER HONOR ROLL - A student will be eligible for the Honor Roll if the student achieves a minimum un-weighted average of 85.

GOLD HONOR ROLL - A student will be eligible for the High Honor Roll if the student achieves a minimum un-weighted average of 95.

CLASS RANK

Class rank is a number assigned to seniors in the fall semester reflecting their academic standing in the class. This number (1 for the highest, etc.) is based on their weighted (see weighting) average of all high school credited courses taken through the summer of the junior year (**excluding** independent study and pass/fail courses). The weighted average is based upon the quality point average of the courses taken by the student. To arrive at this average, the final grade is multiplied by an arithmetic factor that is based on the academic difficulty of the course. All seniors (students with > 15 credits) who have been at DPHS **two full years** prior to the start of twelfth grade are included in the ranking.

EARNING A DIPLOMA WITH HONORS

Students may earn a Regents Diploma with Honors or a Regents Diploma with Advanced Designation with Honors by achieving an average of 90 percent or higher on all Regent's Examinations, or their equivalent, required for the Diploma. Averages below 90.0 percent shall not be rounded upward to 90 percent.

REPEAT REGENTS EXAM GRADES

By state regulation, a student is entitled to repeat any Regents exam in order to raise his/her examination grade.

If a student retakes a Regent's Exam, only the higher score will be reported on the transcript. The new Regents exam grade **WILL NOT** affect the course grade. In order to change a failing course grade, the course, itself, must be repeated.

FOUR YEAR COURSE-EXAM REQUIREMENT PLAN

Four Year High School Plan with Minimum Requirements

Period	Grade 9	Grade 10	Grade 11	Grade 12
1	English 9	English 10	English 11	English - two one semester courses
2	Global History 9	Global History 10	US History 11	Economics & Participation in Government (each one semester)
3	Living Environment	Earth Science	Chemistry	Science
4	Science Lab/ Physical Education	Science Lab/ Physical Education	Science Lab/ Physical Education	Science Lab/ Physical Education
5	Algebra	Geometry	Algebra II & Trigonometry	Math
6	Lunch	Lunch	Lunch	Lunch
7	World Language	World Language	World Language	Elective or AIS
8	Elective or AIS	Health/Elective	Elective or AIS	Elective or AIS
9	Elective or AIS	Elective or AIS	Elective or AIS	Elective or AIS

Students on an honors and/or advanced placement track should refer to department specific flow charts included in the course catalog.

REGENTS EXAMS

(X indicates when the student should take exam to be considered on track)

COURSE	9 TH GRADE	10 TH GRADE	11 TH GRADE	12 TH GRADE
ELA			X	
GLOBAL		X		
MATH	X			
SCIENCE	X			
US HISTORY			X	

DEPARTMENT OBJECTIVES: The world of business is waiting for you! All careers, professions, and jobs involve some area of business. The skills you learn at Deer Park High School will prepare you to enter the work force. The goals of the business department are:

1. To prepare our students to be responsible, thinking individuals who can make intelligent decisions about themselves and their careers, and who can apply the business knowledge and skills to their personal lives.
2. To provide a strong foundation in business-related courses for the college-bound students planning on majoring in business administration.
3. To give all students the opportunity to learn to use the computer for data base, spreadsheets, and word processing.

A 5-unit sequence in Career and Technical Education may be used as a substitute for the additional two units of World Language needed for a Regents Diploma with Advanced Designation.

0639 ESSENTIALS OF COMPUTER APPLICATIONS

(1/2 Credit R)

Graduation Requirement for all Students

In this course, students will work on the development of the touch keyboarding skill with emphasis on proper keyboarding technique, keyboarding speed, and keyboarding accuracy. We will address the reinforcement of the keyboarding skill and development of basic computer applications skills with emphasis on proofreading/editing,

0651 CAREER & FINANCIAL MANAGEMENT I

(1/2 Credit R)

Offered to Grades: 9-10

Pre-requisite—Essential of Computer Applications

This course will provide students with a foundation in business systems and economics. Students will be introduced to topics such as management finance, technology integration, and human resources. Career planning and lifelong goals will be emphasized. Personal financial literacy will be stressed so that students will learn how to prepare their income taxes, learn how to budget, and understand how to manage bank and investment accounts. ***This is a required course for students graduating with an occupational or career & technical education sequence.***

0615/0617 ADVERTISING

(1/2 Credit R)

Pre-requisite—Essential of Computer Applications

Proctor & Gamble spends more on advertising than any other large corporation in the United States – currently more than \$300 millions each year! Why? It is proven that advertising sells products! Enter the exciting worlds of magazine, radio, TV, and other forms of advertising.

Learn about the history of advertising from both a theoretical and a practical prospective. Students in this course will make use of Microsoft's PowerPoint presentation software, Print Shop Ensemble III, Hollywood High, and Studio DV movie-making software. The skills acquired in this class are what businesses need to sell their products and what you need to be as a wise consumer.

0652 CAREER & FINANCIAL MANAGEMENT II

(1/2 Credit R)

Pre-requisite—Essential of Computer Applications

This course will expand upon Career & Financial Management I. Students will learn to work in and run a business. Business planning and entrepreneurship (starting your own business) will be focused on. Investing and retirement planning will be discussed.

This course can be used for students graduating with an occupational or career & technical education sequence.

0612/0667 BUSINESS COMPUTER APPLICATIONS (BCA)

(1/2 Credit R)

Offered to Grades: 9-10

Pre-requisite—Essential of Computer Applications

This course is designed to teach students how to integrate business concept such as finance and marketing with computer applications such as Microsoft Word, Excel, and Access. Students will use Word to create business correspondence, newsletters, logos, etc. Excel will be used to learn how to balance a budget and a checkbook, and Access will be used to keep track of business data. BCA is especially useful for college-bound students who want to obtain marketable job skills.

0648 CAREER PLANNING

(1/2 Credit R)

Offered to Grades: 10-11-12

Pre-requisite: Essentials of Computer Applications
What will you do with the rest of your life? Begin to plan your career through research and exploration activities. Create a career plan to lay the foundation for sound career decision-making. Explore “who you are” and what careers are best suited for you.

Class activities include:

- Self-assessment
- Researching careers
- Identifying high school courses & college majors
- Researching Long Island corporations
- Job forecasting/hot jobs for the future

All students in this class will participate in a shadowing experience to explore careers close up in a field of your choice. Students will use the Internet and E-mentors to help learn about specific careers. Field trips to local corporations, such as Computer Associates, will supplement classroom instruction so that students will see what *the world of work* is really like!

0629 FASHION MARKETING

(1/2 Credit R)

Offered to Grades: 9-10

Pre-requisite: Essentials to Computer Applications
This course is designed to introduce students to the fashion industry. Focusing on the current fashion trends, students will acquire an understanding of fashion terminology, the consumers of fashion, and the specific marketing strategies used to retail fashion in the new millennium.

0638 MULTI MEDIA BUSINESS APPLICATIONS

(1/2 Credit R)

This course is designed to introduce students to the art of developing multimedia skills for the creation of PowerPoint presentations requiring the use of various graphics, music/sound effects, animation, hyperlinks, and video clips, ending with the production of an educational CD Rom. Students will use Studio 8 to make movies that include titles, scene transitions and effective business projects. Students will create music, narration, special effects and more, culminating in the production of a public service announcement. The multimedia hardware peripherals will include a state-of-the-art computer lab containing recordable/rewritable DVD drives, laser printers, scanners and digital video cameras!

0647/0634 MULTI MEDIA BUSINESS

APPLICATIONS II

(1/2 Credit R)

Pre-requisite: Keyboarding/Computer Applications
Students will build on the foundation skills acquired in Multimedia I. Students will learn how to properly use high definition video cameras. Filming and interviewing techniques will also be covered. Students will also learn how to use Final Cut video editing software to produce content for MSG Varsity's website and television channel. Uploading of content using FTP will also be covered.

0618 SKILLS FOR SUCCESS I

(1/2 Credit R)

Offered to: Grades 9-10-11-12

Pre-requisite: Keyboarding/Computer Applications
Do you get test anxiety? Does time just seem to “slip through your fingers?” Are you floundering around with no clear-cut goals for your future? Is note taking a chore? If you answered “yes” to any of the above questions, this is the course for you. Your life is about to become easier! Learn the power of setting goals and positive thinking. To help you become a master student, you will learn an alphabetic note-hand, which will aid you tremendously in taking notes rapidly and accurately. Good note taking skills will enable you to succeed in college and is a skill valued highly by employers. Also, learn time management skills, test taking tips and strategies, master vocabulary and spelling “demons,” outlining and paraphrasing, study techniques and fine tune your listening skills. The more you learn, the easier your survival skills will become in high school and beyond.

0620 SKILLS FOR SUCCESS II

(1/2 Credit R)

Pre-requisite: Skills for Success I

A continuation of Skills for Success I course — efficient note taking skills, mastering using alphabetic note taking skills will enable the students to achieve success whether in lecture courses or on the job. Self-esteem and self-confidence will be gained learning the secrets of giving speeches, preparing for debates and research techniques.

0624/0625 SPORTS MARKETING

(1/2 Credit R)

Offered to Grades: 9-10

Pre-requisite: Essentials of Computer Applications

Would you like to be part of one of the most exciting and lucrative industries of the future? Would you like to join a fantasy sports team? Yes? Then this is the course for you. This course is designed for students with an interest in the sports field. Basic marketing principles will be studied and applied to this rapidly growing, dynamic industry. Topics that will be explored are: the sports industry, athletes making economic choices, professional sports trades, supply and demand, financial analysis of teams, the sports labor market, discrimination in sports, and sports promotion. Guest speakers, case studies, field trips, and on-line activities will broaden classroom learning. The students will actively use their skills to promote sporting events both on campus and within the community.

0603 STOCK MARKET

(1/2 Credit R)

Offered to Grades: 11-12

Pre-requisite: Essentials of Computer Applications

This course will provide students with the opportunity to learn about financial literature and facilities that are available as guides to proper selection of securities. The course is covered from the perspective of the individual investor. As such, a logical portfolio commensurate with the financial goals of the individual is stressed. Financial information available both in published and on-line format is covered. In addition, students will participate in the Newsday Stock Market Challenge, which is available during each semester.

0628 SCHOOL STORE

Earn Up To 1 Credit

Pre-requisite: Essentials of Computer Applications

The School Store Laboratory provides an opportunity to develop specific skills in advertising, display techniques, store management, pricing, inventory control, and handling the cash register. These skills are perfected through actual on-the-job experience in the School Store Lab. The lab is designed to give students the opportunity to practice the skills needed to manage a retail establishment.

0656 SCHOOL STORE COURSE

(1 Credit R)

The School Store Course will teach students how to operate and manage a retail store, through both theoretical and practical methods of education. The students will learn the business functions involved in running a successful school-based enterprise, as well as the skill-sets and attitudes required in any job. Students will learn accounting, research, promotion, planning, managing, and selling. Students will be required to attend class and participate in the School Store Lab, where they will manage Deer Park High School's store, The Falcon's Nest during assigned periods.

0657 SCHOOL STORE II

(1 Credit R)

This course is a follow up to the School Store Course. This course will explore skills and training necessary for sports and events planning and management. Students will continue to gain real world experience through hands on activities and projects.

0605 PERSONAL FINANCE

(1 Credit R)

This course is designed to help students understand the impact of individual choices on occupational goals and future earnings potential. Real world topics will include income, money management, spending and credit, as well as savings and investing. Students will be required to develop personal and household budgets; simulate the use of checking and savings accounts; demonstrate the knowledge of finance, debt, and credit management; and evaluate and understand insurance and taxes. This course will provide a foundation for making informed personal financial decisions.

0650 SPORTS MANAGEMENT

(1/2 Credit R)

Offered to Grades: 9-10

Pre-requisite: Essentials of Computer Applications

Sports Management is an introductory course designed to teach high school students basic business management principles within the sports industry. Students will interactively learn historical perspectives relating to major sport leagues and teams applying classroom learning in the area of management. League, team, event, and player management principles will be discussed and applied. Guest speakers and related field trips will complement classroom instruction.

0611 COLLEGE SOFTWARE APPLICATIONS

(1 Credit C)

Offered to Grades: 11-12

This advanced course for juniors and seniors prepares students to be well rounded in all aspects of computer literacy. What's the difference between a Pentium and an AMD processor? Which one should I buy? How do I scan pictures, use a digital camera, and add video clips into my document? Students will learn the answers to these questions and many more. Students work on real world projects in order to learn the advanced functions of current software applications. We may make menus for a local restaurant or bookmarks for the public library; we may prepare spreadsheets logging the finances of the school store; or we may put together a literary magazine or an English class. Using Microsoft Office (Word, Excel, Access, PowerPoint,) Corel WordPerfect Suite, Adobe products and many other programs, students will become proficient in the use of every major software application that is used in college and business. We will also use the Internet.

0662 COLLEGE MARKETING I

(1/2 Credit C)

Offered to Grades: 11-12

This course is offered at the college level and gives students an introduction to the basics of the marketing mix product, price, place, and promotion. You will learn how major companies such as Ben& Jerry's, Holiday Inn, Wal-Mart and others target their markets, and use various marketing techniques and strategies to get your dollar. Students will use the Internet to research opportunities in this dynamic field, create ads and commercials, and have the opportunity to compete in national competitions through lifesmarts.com and DECA.

0668/0655 COLLEGE WEB SITE DESIGN

(1/2 Credit C)

The goal of the course is for students to learn how to thoroughly create web sites. Students are introduced to web site design through HTML coding and through web authoring programs such as Macromedia Dreamweaver, Macromedia Flash, and Microsoft Frontpage. They will learn how to make graphics for web sites in Adobe Photoshop. Students will also be introduced to inserting JavaScript into their web sites.

0660 COLLEGE ACCOUNTING

(1 Credit C)

Offered to Grades: 11-12

Accounting is the language of business and a necessary stepping-stone not only for students interested in accounting careers, but also for any career in business. Accounting stresses the principles and procedures needed to build a solid foundation in accounting fundamentals so that students will become thinkers, decision-makers, and problem-solvers, not merely recorders of information. This course will prepare students for introductory college accounting courses and can lead to entry-level positions in the fields of banking, bookkeeping, insurance and manufacturing. Simulations of the complete accounting cycle for all three types of businesses will be utilized in this course to provide "real life" applications.

0619 COOPERATIVE WORK EXPERIENCE

Earn Up To 2 Credits

12th GRADE ONLY

Preparing for Work or Job Related Course Cooperative Work Experience provides on-the-job training for both college bound and work-bound students. This is not a class. The Co-op Program can help you to find an “on-the-books” job and earn credit for it or earn credit for a job that you already have— as long as you are enrolled in a related course. The purpose of the program is to allow you to practice in the work world the skills you have mastered in high school. This experience will give you a much greater understanding of your talents and how to develop them in college or through further on-the-job training. To enroll in the program, you should be at least 16 years of age, have your working papers, and be able to provide your own transportation to jobs in Deer Park and surrounding towns.

5-Unit Occupational Education Sequence

The Preparing for Work class along with the 600-hour cooperative work experience (0619) satisfies 3 Regents credits of a 5-unit occupational education sequence.

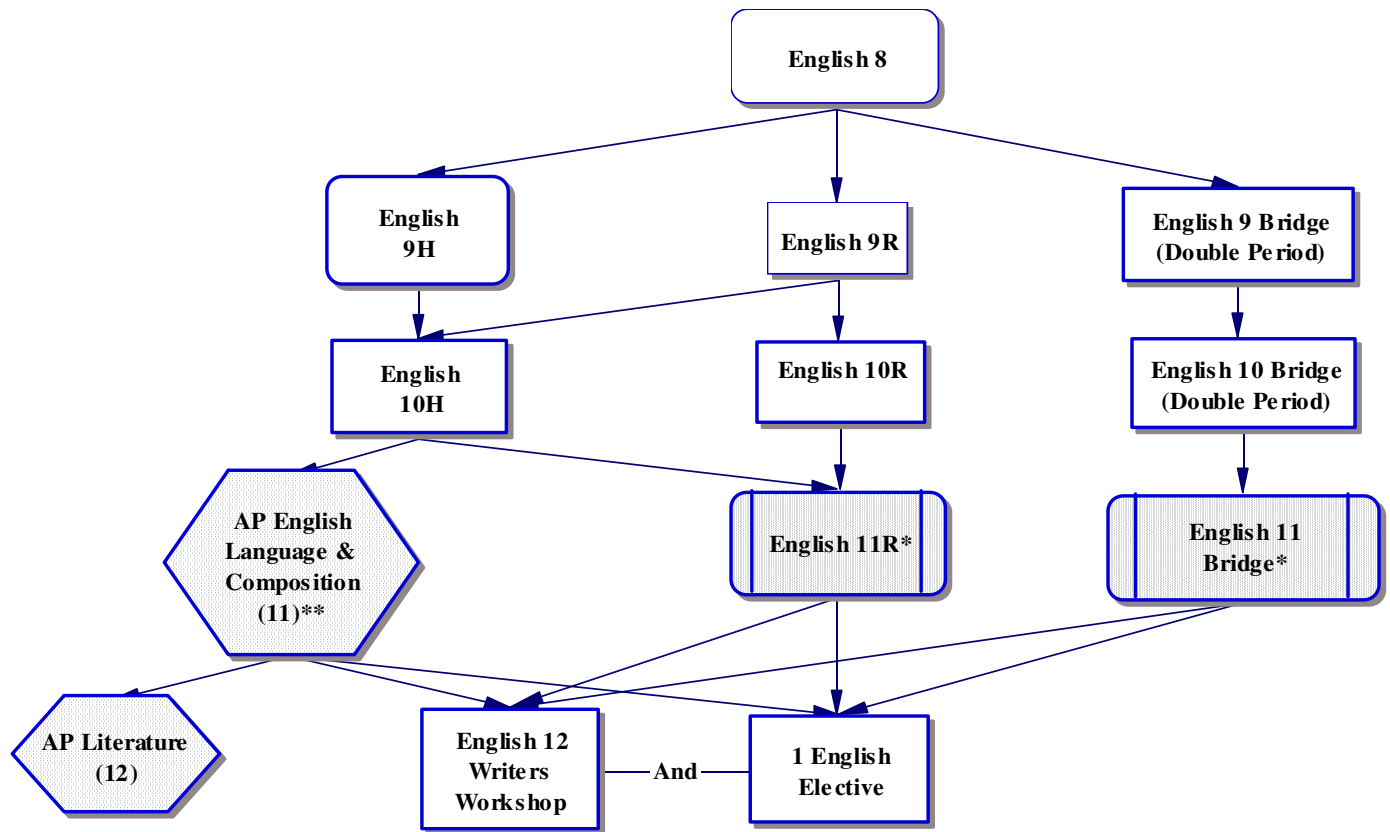
0661 COLLEGE E-COMMERCE

(1 Credit C)

Offered to Grades: 11-12

Pre-requisite: Essential to Computer Applications

The E-Commerce course provides students with a fun and exciting way to learn about E-Commerce and its role in today’s information-driven economy. Under the supervision of their instructors, students operate an online school information service using their own website and generate revenues by selling banner ads, patron messages, and by operating an online store or auction. The E-Commerce course is designed to develop the teambuilding, time management, communication, organization, critical thinking and decision-making skills necessary for students to progress toward future success in college level programs and gainful employment in a high-tech business environment. This course will help prepare students to meet the challenge of doing business in today’s technology-based environment. This course introduces students to the exciting world of E-Commerce and provides them with the opportunity to acquire basic business, E-Commerce and general career skills through traditional learning methods and the operation of their own E-Commerce business right from the classroom! Students become familiar with traditional business principles and learn how these principles are adapted to incorporate advances in technology and information transfer. By supplementing theory with hands-on application, students come out of the E-Commerce program with a better understanding of how business really works in an environment where efficient use of technology is critical and content is king.



Electives
 For a full list of English Electives please refer to the course descriptions
 Not all courses are offered every year
 Applied English 11 or 12
 Regents Prep Course

* Course culminates with a Regents Exam
 ** Course culminates with a Regents and AP Exam
 *** Course culminates with an AP Exam

...

English Graduation Requirements
 4 Course Credits
 &
 1 Regents Exam
 ELA Regents Exam - January of 11th Grade

ENGLISH LANGUAGE ARTS

DEPARTMENT OBJECTIVES: The English Department offers a wide variety of courses designed not only to meet the students' needs but also to encourage them to explore their fields of interest. The program in grades nine, ten, eleven, and twelve consists of courses designed to work with students on various levels. We urge students and their parents to read course descriptions carefully, taking particular note of prerequisites and objectives.

New York State has identified four standards in English for students to achieve.

- Students will read, write, listen, and speak for**
- 1) information and understanding**
 - 2) literary response and expression**
 - 3) critical analysis and evaluation**
 - 4) social interaction.**

Every English course offered addresses all of these standards.

NOTE: Please read the honors/AP requirements in the Guidance section of this book.

0131 FOUNDATIONS OF READING AND WRITING

(1/2 Credit R)

Foundations in Reading and Writing will give selected students an opportunity to examine all skills necessary to become effective readers and writers. Instruction will focus on the reading and writing process. The course will require students to read literature in all genres and write for many audiences. Ultimately, this course will help students gain skills they will use in their full year English courses.

CORE COURSES

NINTH YEAR COURSES

0148 ENGLISH 9 REGENTS

(1 Credit R)

Prerequisites: Successful completion of English 8.

This is the first year in a 4 year program in English Language Arts (ELA). Students will study non-fiction and literary works including *Lord of The Flies*, *Romeo and Juliet*, *The Hobbit*, *Fahrenheit 451*, *Anthem*, and *Speak*. An emphasis will be placed on the development of students' reading and writing skills with an eye toward preparation for the tasks that will appear on the ELA Regents assessment, which students take in January of their junior year.

0101 ENGLISH 9 HONORS

(1 Credit H)

This is the first year in a 4 year program in English Language Arts (ELA). Students will study philosophical, non-fiction, and literary works including *The Princess Bride*, *The Hobbit*, *Tristan and Iseult*, *Antigone*, *Lord of The Flies*, and *Romeo and Juliet*. An emphasis will be placed on the development of students' critical analysis and writing skills with an eye toward preparation for tasks that will appear on the English Language Arts (ELA) Regents, which students will take in January of their junior year.

NOTE: Enrollees in the Honors program are chosen based on a review of student performance in ELA classes in grades 6,7 and 8 as well as student performance on New York State ELA 8 exam. Permission of the departmental supervisor is required. Students enrolled in the Honors program must maintain a minimum average of 85 in **each** quarter, have a mid-year average of at least 85 based on their averages for the first two quarters as well as the midterm examination, and have a **final average of no less than 85** at the end of the year. Students who fail to maintain these grade standards will be removed from the program at mid-year or at the end of the year.

ENGLISH LANGUAGE ARTS

TENTH YEAR COURSES

0149 ENGLISH 10 REGENTS (1 Credit R)

Prerequisites: Successful completion of English 9.

This is a continuation of the English Language Arts (ELA) course begun in Grade 9. Students will study non-fiction and literary works including *Tuesdays With Morrie*, *Animal Farm*, *The Catcher In The Rye*, *Macbeth*, *A Raisin In the Sun*, and *Curious Incident of A Dog in the Night-time*. An emphasis will be placed on the development of students' reading and writing skills, with an eye toward preparation for the tasks that will appear on the English Language Arts (ELA) Regents, which students will take in January of their junior year.

0106 ENGLISH 10 HONORS (1 Credit H)

Prerequisites: Successful completion of English 9H.

This is a continuation of the English Language Arts (ELA) course begun in Grade 9. Students will study philosophical, non-fiction, and literary works including *Frankenstein*, *The Great Expectations*, *A Raisin In the Sun*, *Curious Incident of A Dog in the Night-time*, and *Macbeth*. An emphasis will be placed on the development of students' critical analysis and writing skills, with an eye toward preparation for tasks that will appear on the English Language Arts Regents, which students will take in January of their junior year.

ELEVENTH YEAR COURSES

0150 ENGLISH 11 REGENTS (1 Credit R)

Prerequisites: Successful completion of English 10.

This is a continuation of the English Language Arts (ELA) program. The emphasis of the course will be on the study of American literature as an expression of American culture, and how this expression has changed throughout American History to reflect changes in American values and society. Readings for the course include both literary and philosophical works; a partial list of works to read includes *Of Mice and Men*, *The Crucible*, *The Great Gatsby*, *To Kill A Mockingbird*, *A Lesson Before Dying*, *The Taming of The Shrew* and *Julius Caesar*. An emphasis will be placed on the development of students' reading and writing skills, with an eye toward preparation for the tasks that will appear on the English Language Arts (ELA) Regents, which students are required to take in January.

0114 ADVANCED PLACEMENT ENGLISH LANGUAGE & COMPOSITION (1 Credit C)

Prerequisites: Completion of English 10 Honors with a grade of 90 or better OR completion of English 10 Regents with grade of 92 or better.

This college level course features advanced composition and research skills. The syllabus concentrates on English literature. Students will study a variety of prose pieces to notice variations in style and purpose, ultimately understanding both the implicit and explicit relationships among diction, syntax, tone and content. Through a variety of writing activities, they will apply such conventions and language resources to their own expository, analytical and argumentative writing. Multiple impromptu and formal essays are required. *A research paper is required. Students must take the ELA Regents and the Advanced Placement English Language and Composition Examination.*

ENGLISH LANGUAGE ARTS

TWELFTH YEAR COURSES

Seniors must choose one senior elective in conjunction with English 12 Writers Workshop to satisfy their 4th English credit. Only classes with the title ENGLISH 12 will satisfy the credit.

0159 ENGLISH 12: WRITERS' WORKSHOP (1/2 Credit R)

This course offers all seniors (except students enrolled in AP English Literature) a full semester of college writing. Students will examine and learn writing techniques that will help them succeed on college papers, in college writing courses, and for the demands of the 21st century. The course will cover the following skills: understanding and controlling the essay form, personal essay writing, narrative and non-narrative elements of writing a personal essay, the ability to peer edit and the writing of peer criticism, demonstrate an understanding of style in response to literature read, the effectiveness of creative writing, and the understanding of a college paper's requirements.

0113 ADVANCED PLACEMENT LITERATURE & COMPOSITION (1 Credit C)

The AP English Literature and Composition course is designed to engage students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students can deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students should consider a work's structure, style, and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. It is important to distinguish among the different kinds of writing produced in an AP English Literature and Composition course. Any college-level course in which serious literature is read and studied should include numerous opportunities for students to write. Some of this writing should be informal and exploratory, allowing students to discover what they think in the process of writing about their reading. Some of the course writing should involve research, perhaps negotiating differing critical perspectives. Much writing should involve extended discourse in which students can develop an argument or present an analysis at length. In addition, some writing assignments should encourage students to write effectively under the time constraints they encounter on essay examinations in college courses in many disciplines, including English.

0141 ENGLISH 12: JOURNALISM (1/2 Credit R)

Students will read a variety of newspapers to learn about the arrangement and content of newspapers and their role in society. They will be responsible also for writing every type of article found in a newspaper and for producing their own in-class publication. A small portion of the course will be devoted to television and radio news and its role in society today. *Writing for our school newspaper is a required portion of this course.*

0126 ENGLISH 12: PUBLIC SPEAKING (1/2 Credit R)

Students who opt for this class will be exposed to many aspects of speech making, including debate, panel discussion, and oral interpretation of literature. These areas will foster a wide range of speaking experiences and will serve to improve and reinforce students' skills in reading, writing, listening and thinking, as well as oral delivery.

0152 ENGLISH 12: LITERATURE (1/2Credit R)

This literature course will give students an opportunity to have a voice in the literature selected for the class. Using the chosen works of literature, students will be able to use the skills learned in the Writers' Workshop course taken the first semester to read and write in response to authors' writing, class instruction, and literary discussion. The literature in the class will be used as a vehicle to prompt students to critically think about all elements used in literature.

ELECTIVE COURSES

0154 SPEECH AND DRAMATIC ARTS

INTRODUCTION

(1/2 Credit R)

Offered to: Grades 11-12

This course presents an introduction to the art of speaking and dramatization. The basics of mime, diction, and acting will be covered. Students will be active in classroom projects in each of these areas; written reviews of two stage productions will also be required.

0146 INTRODUCTION TO PHILOSOPHY

(1/2 Credit R)

Students will be introduced to the history of thought, as well as the mechanics of deductive and inductive reasoning. An emphasis will be placed on the refinement of critical thinking skills. Readings for the course will include: *The Republic*, *Walden*, and assorted writings of Descartes, Emerson, and Nietzsche. Reaction papers and a research paper will be required.

0147 PHILOSOPHY II

(1/2 Credit R)

Pre-requisite: Introduction to Philosophy

Philosophy II will follow the arguments of Plato and Descartes, covered in *Introduction to Philosophy*, with the idea of philosophical skepticism put forth by Hume and Kant. Using this epistemological framework, students will explore language philosophy and analytical philosophy. A number of Eastern and Western philosophical works will be incorporated into class discussion and projects. Grades will be based on written assignments and tests, as well as group work.

0119 COLLEGE DRAMATIC ARTS

(1/2 Credit C)

Pre-requisite: Speech and Dramatic Arts Introduction

This course will be open to students who wish to continue their study of speaking and participating in drama projects. Emphasis will be placed on reviewing and building the skills of character creation, diction, acting, and speaking. Students will learn and practice acting exercises and speaking techniques, and will be required to show their knowledge by preparing and presenting speeches, dramatic readings, and scenes.

0151 MEDIEVAL LITERATURE

(1/2 Credit R)

This course will examine medieval Literature as an expression of the cultural values, as well as the political and social climate, of Western and Northern Europe during the period AD 1200-1400. Readings for the course include: *Le Morte D'Arthur*, *The Canterbury Tales*, *Sir Gawain and the Green Knight*, and Dante's *Inferno*. Emphasis will be placed on the close reading and analysis of the text. Students will be assessed through papers and tests.

0125 SOCIAL ISSUES IN LITERATURE

(1/2 Credit R)

Literature is packed with the social issues we face in society on a daily basis. Students will study literature, film, media, and presentations that address issues such as drug/alcohol abuse, prejudice, racism, and violence. Students will be able to develop a critical perspective in which they will question and discuss the relationship between the work and the social issue presented. Finally, using this analysis, students will be able to assess their position in society.

0120 CREATIVE WRITING

(1/2 Credit R)

This course is for those who wish to weave words cleverly into short stories, sketches, poetry, skits and essays. By producing their own works and examining the literary works of other authors, students will be encouraged to delve deeply into themselves and the world around them for original insights. Both literature and writing will be blended. The focus will be extensive self-expression.

0119 COLLEGE DRAMATIC ARTS ADVANCED

(1/2 Credit C)

Offered to: Grades 11-12

Pre-requisite: Speech and Dramatic Arts Introduction

This course will be open to students who wish to continue their study of speaking and participating in drama projects. Emphasis will be placed on reviewing and building the skills of character creation, diction, acting, and speaking. Students will learn and practice acting exercises and speaking techniques, and will be required to show their knowledge by preparing and presenting speeches, dramatic readings, and scenes.

0160 FILM AS LITERATURE

(1/2 Credit R)

This course will prompt students to develop analytical and compositional skills through the study of films and directors. Students will view full feature films as well as short clips from other films of various genres ranging from narratives to musicals to dramas to westerns. Students will develop visual literacy by offering a range of tools to study both film and literature. Students will write essays, create daily film journals, write critical reviews of recent films, and complete a final film project in which students will script, direct, and create their own mini-film.

0124 ENGLISH SAT PREPARATION

(1/2 Credit R)

Offered to: Grade 11 Only

This course is geared to preparing eleventh-year students for the SAT examination. Students will be trained for successful mastery in word analysis, reading comprehension, and sentence completions. This SAT prep course **may not** be taken in lieu of English 11. Every junior is expected to take this course in conjunction with its math component. College essay writing as well as placement examinations will be covered.

0136 MYTHOLOGY

(1/2 Credit R)

The course will begin with a general overview of the creation of earth and man based on *Hesiod's Mythology*. Students will use note taking skills to interpret the reading and gain an understanding of the language that is commonly used in mythology. As the course progresses from the Greek and Roman through the Arthurian Legend, into the more modern mythology of J.R.R. Tolkien, students will compare the subtle similarities as well as the obvious differences. The following writing tasks may be incorporated to assess students' understanding of the readings: creative writing/projects, reflective writing, writing response, and a comparative essay using two different works discussed throughout the course.

0803 CHILD PSYCHOLOGY & DEVELOPMENT I (1/2 Credit NR)

Early childhood education will launch students on a career pathway. Content will provide a foundation in child development theory and provide students the opportunity to integrate knowledge, skills, and practices of careers in childhood education and child-related professions. A project-based approach that utilizes higher order thinking communication, leadership, and authentic application through service learning is applied. The focus is on exploring researched-based parenting and nurturing practices and skills, including brain development that supports the positive development of children. Topics include parenting challenges, sexuality, adolescent pregnancy, prenatal development and birth, child nurturing, accessing parental resources and career awareness.

0804 CHILD PSYCHOLOGY & DEVELOPMENT II (1/2 Credit NR)

Pre-requisite: Child Psychology and Development I
This course is designed to focus on identifying concepts of responsible child rearing. The potential parent will become aware of the need to begin caring for personal health, practicing informed decision making about personal lifestyles, forming positive ways to meet physical, psychological, and emotional needs, and developing an awareness of the kind of parent he or she wants to be.

0807 GLOBAL FOODS (1/2 Credit NR)

Take a trip around the world with Global Foods. This course introduces students to the way that the culture and traditions of regions and countries influence food and food choices. Students identify and prepare international foods to compare cuisines, ingredients used and cooking methods. Students will also examine food availability, quality, production, and consumption in the global market to better understand and appreciate diverse cultures. Career paths in international food fields will be examined to assist students in gaining knowledge skills necessary for success within these career fields.

0813 INTRO-CULINARY ARTS (1/2 Credit NR)

An exploratory course for students considering career pathways related to culinary arts. A project-based approach that utilizes higher order thinking, communication, leadership, and management processes will be integrated into the course. Topics include safety, sanitation, storage and recycling process in the industry, basic food preparation skills; and culinary arts career pathways. Laboratory experiences that emphasize industry practices and develop basic industry skills are required components of this course.

0805 INDEPENDENT LIVING I (1/2 Credit NR)

This course identifies challenges facing all adolescents as they prepare for their future. Areas of study include the home environment, food preparation, money management and insurances, and general skills necessary for an independent lifestyle.

0825 INDEPENDENT LIVING II (1/2 Credit NR)

Pre-requisite: Independent Living I
This course is designed to advance the basic skills developed in Independent Living I. Money management, advanced cooking skills, and clothing construction will be emphasized. Career options in these areas are discussed.

0809 INTERIOR DESIGN (1/2 Credit NR)

Students will study the principles and elements of design to gain a better understanding of interior design and their own personal style. Students will learn how to create rooms with different styles and moods, draw room layouts, design a color board, select furniture for a room, and how to personalize with accessories and details.

Department Objectives: Deer Park High School strives to provide an expansive array of Art course offerings. High school students have the opportunity to take advanced studies in the fine arts of drawing and painting, ceramics and sculpture, and fashion design, as well as technology based programs such as computer graphics, advertising and design, photography and cartooning.

Our faculty members are all professional artists with specific areas of specialization. Skills learned in the visual arts courses are applicable to hundreds of careers in our highly visual world.

To fulfill the graduation requirement of one credit of Art or Music, students may take AP Art History or Studio in Fine Art.

0701 STUDIO IN FINE ART (1 Credit R)

Studio in Fine Art is a course in the fundamentals of the fine arts which will allow you to experience a whole world of creative self expression. A student taking Studio in Fine Art will learn about and experiment with the basic design elements such as line, shape, color, texture, and value. Students develop or sharpen their art skills while handling such media as watercolor and acrylic paint, pencil, India ink, block print ink, charcoal, pastel, and ceramics. *This full-year course is a **prerequisite** for all other art courses, and satisfies the one credit of Art or Music required for graduation.*

0763 STUDIO IN COMPUTER ART I (1/2 Credit R)

Prerequisite: Studio in Fine Art

This course introduces students to ways to use computers to create and design. The class focuses on how to use the computer and peripherals to create art and logos. This course meets in the art computer lab. Careers in graphic art are also explored. Students may take either semester independently, but it is recommended to take both semesters in sequence.

0764 STUDIO IN COMPUTER ART II (1/2 Credit R)

Prerequisite: Studio in Fine Art

This course continues to explore ways to use computers to create and design. This class focuses on using digital cameras and integrating fine art, computer art and digital images. This course meets in the art computer lab. Students may take either semester independently, but it is recommended to take both semesters in sequence.

0705 STUDIO IN DRAWING & PAINTING (1 Credit R)

Prerequisite: Studio in Fine Art

This is a full year course in which students learn different techniques of drawing and different styles of painting. Students work on drawings in pencil, pastels and charcoal that can be used as part of their college admission portfolios and also learn how to paint in tempera, acrylic and other media.

0726 STUDIO IN FASHION DESIGN & ILLUSTRATION

(1 Credit R)

Prerequisite: Studio in Fine Art

Do you love watching Project Runway and reading all of the fashion magazines? Learn how to draw like a Fashion Designer and Fashion Illustrator. Students will be introduced to the exciting field of Fashion Design. The class focuses on illustrating the figure and correctly drawing and designing beautiful and creative fashions. Start building your portfolio for college and a career in the Fashion Industry with more than 750 vocational choices. Field trips to colleges, museums and design centers are an integral part of this course.

0765 STUDIO IN MURAL PAINTING (1 Credit R)

Pre-requisite: Studio in Fine Art

Students will learn about the history of painting and how to design and execute large-scale works, applying composition skills and the use of light and dark to create depth. Students will then transfer their designs to designated high school walls and paint them. Students are expected to complete two large-scale murals over the course of the school year.

0712 STUDIO IN PHOTOGRAPHY

(1/2 Credit R)

Prerequisite: Studio in Fine Art

Students will learn how to use a camera and how to develop and print black and white photographs. They will also learn about the composition of good photographs and the history of photography. Photography is an exciting course where students learn all about black and white photography. If you choose this course, get ready to learn a skill which will last you the rest of your life and bring you enormous pleasure and self satisfaction. You will learn how to shoot and create well-balanced, well-composed photographs. You will learn about photographic equipment, develop your own black and white negatives and prints, and analyze your own work as well as the work of others. During the second semester, more time is spent in the darkroom. As your skills develop you will have the opportunity to make larger prints, to use contrast filters, and to refine your printing techniques.

You will learn about portraiture, photojournalism, and produce portfolio-level matted prints. Students are responsible for the purchase of the film they use during the semester.

0713 PHOTOGRAPHY WORKSHOP

(1/2 Credit R)

Prerequisite: Studio in Fine Art and Studio in Photography.

Advanced darkroom and camera techniques are introduced in this course. Students work independently under the direction of the teacher. Students must have their own cameras. This course may be repeated for credit

0706 STUDIO IN SCULPTURE & CERAMICS

(1 Credit R)

Prerequisite: Studio in Fine Art

Students in this course will explore both modern sculpture and great works of the past. Modeling in clay and wax, carving in stone, working with wire, and making constructions using foam board and wood will be explored. Ceramics will play a key role in this course, including the use of the potter's wheel.

0745 CARTOONING I

(1/2 Credit R)

Prerequisite: Studio in Fine Art

Do you like cartoons, comic books, comic strips, or anime? Discover the way professionals do it! Learn the entire process of creating a comic, from concept to finished product. See your ideas develop from thumbnail sketches and breakdowns, to finished penciling, inking. Learn character design and development. Explore different methods of storytelling as you create your own comic book or comic strip series. We will also have drawing lessons that will cover such topics as bodies, faces, backgrounds, movement, etc. Learn how to put your book together and design covers for your creations.

0746 CARTOONING II

(1/2 Credit R)

Prerequisite: Cartooning I

Learn advanced storytelling techniques. Study great cartoonists from the past. Refine your cartooning skills with advanced lessons in anatomy, realistic backgrounds, etc. Experiment with coloring your creations. Design posters for your comic. Learn how to get published.

0707 FASHION PORTFOLIO

(1 Credit R)

Prerequisite: Studio in Fashion Design & Illustration

This course is designed for the serious fashion design and illustration student. All students will create and complete a professionally designed portfolio required by fashion programs at colleges, universities and the world of work. Develop your own advanced style in drawing designs. Students will learn how to design, construct, deconstruct and sew garments, hats, shoes and accessories. Create costume designs for the high school musical. Field trips to colleges, museums and design centers are an integral part of this course.

0762 ADVANCED PLACEMENT STUDIO IN ART (1 credit C)

Prerequisite: Studio in Fine Art, Studio in Drawing & Painting plus one additional high school art class.

Students in this class will work in the artistic medium of their choice to prepare a portfolio to be submitted to the College Testing Service, where experts will grade it. Students planning to study art in college or applying for art scholarships should take this course.

0732 ADVANCED PLACEMENT ART HISTORY (1 credit C)

Recommended for: Students interested in a career in the Visual Arts. One credit of Art or Music is necessary for graduation. Students meeting this requirement may use this course for a Regents Diploma.

Prerequisite: None

Learn about the visual arts from its inception to today. Through lectures, class discussions, and museum visits, students will learn about all types of art from around the world and its place in the human experience. This course is open to all students, regardless of artistic talent, who are interested in the fine arts, history, and the humanities. It will help students who are planning on applying to a liberal arts college and will also help students prepare for the Global History and Geography Regents, if they have not already taken it. Students who take the Advanced Placement exam can earn up to six college credits.

HEALTH

HEALTH DEPARTMENT OBJECTIVES:

The New York State Department of Education requires all students to complete one semester of Health Education at the senior high school level in order to meet NYS graduation requirements and receive a diploma.

Health is required for graduation.

1208.1209 HEALTH

(1/2 Credit NR)

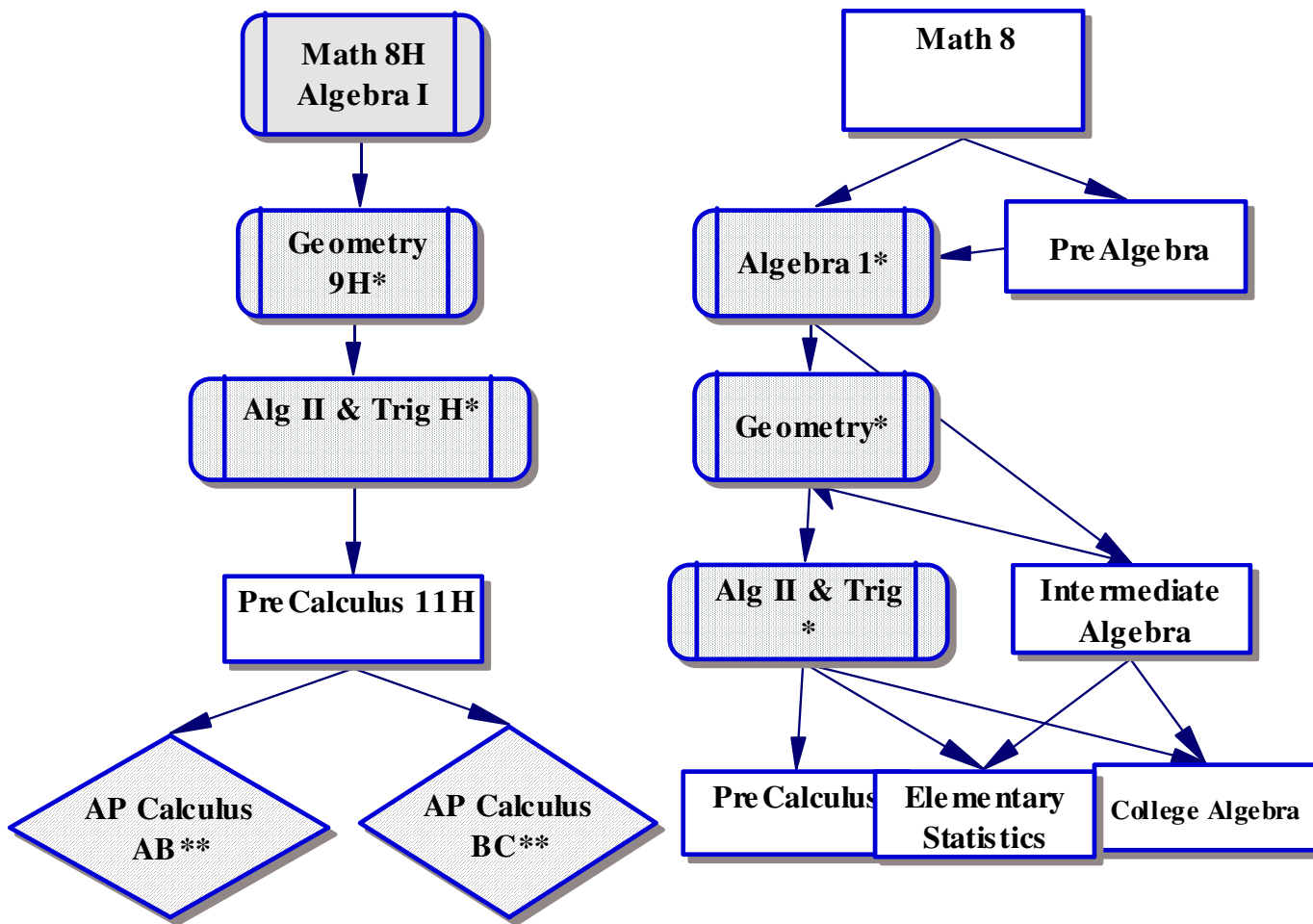
This course is required for all juniors. It includes units in mental health stress management, drugs, alcohol, consumer health, family health, ecology, family life, safety, initiative, leadership, trust and respect, AIDS, food and nutrition, current health problems and possible solutions.

All students are required to pass this course in order to graduate.

REGENTS DIPLOMA REQUIREMENTS FOR MATHEMATICS

REGENTS DIPLOMA REQUIREMENTS			
Students First Entering Grade 9 in:	Mathematics Units of Credit	Course/Regents Examination Options	Mathematics Regents Examinations
2006	3	Mathematics A, Mathematics B	1
2007	3	Mathematics A, Mathematics B ----- Integrated Algebra, Geometry, Algebra 2/Trigonometry	1
2008	3	Integrated Algebra, Geometry, Algebra 2/Trigonometry ----- Mathematics A** Mathematics B**	1
2009 and Thereafter	3	Integrated Algebra, Geometry, Algebra 2/Trigonometry	1

REGENTS DIPLOMA WITH ADVANCED DESIGNATION				
Students First Entering Grade 9 in:	Math Units of Credit	Course/Regents Examination Options	Mathematics Regents Examination	Regents Examination Options
2006	3	Mathematics A, Mathematics B	2	Mathematics A and Mathematics B
2007	3	Mathematics A, Mathematics B ----- Integrated Algebra, Geometry, Algebra 2/Trigonometry	2 or 3	Mathematics A and Mathematics B or Algebra 2/Trigonometry ----- Integrated Algebra or Mathematics A and Geometry, and Algebra 2/Trigonometry
2008	3	Integrated Algebra, Geometry, Algebra 2/Trigonometry ----- Mathematics A** Mathematics B**	3 or 2	Integrated Algebra or Mathematics A and Geometry, and Algebra 2/Trigonometry ----- Mathematics A** and Mathematics B** or Algebra 2/Trigonometry
2009 and Thereafter	3	Integrated Algebra, Geometry, Algebra 2/ Trigonometry	3	Integrated Algebra and Geometry and Algebra 2/Trigonometry



Electives
 Math SAT Prep offered 11th grade ONLY

Academic Support Classes
 Math Tutorial or AIS

* Course culminates with a Regents Exam
 ** Course culminates with an AP Exam

MATHEMATICS

Mathematics is for everyone! The Mathematics Department believes that there is a level of mathematics study available to every student. The mathematics program emphasizes computational skills, problem-solving techniques, and mathematical structure. Students learn skills and concepts and practice analytical and critical thinking. They study the uses of the computer, statistics and measurement. In addition, algebraic and geometric structure, logic, and analysis provide a sequential program for the college-bound. The decisions made about the courses taken in high school affect each student for the rest of their lives. All students are required to complete successfully three credits of mathematics and demonstrate a minimum level of proficiency on a New York State exam. We expect all students to take four years of mathematics.

NOTE: Please read the honors requirements in the Guidance section of this book.

0356 AIS MATH (0 Credit G)

Academic Intervention Services are designed to support your child's academic development and to assist your child in gaining the knowledge and skills necessary to meet the Regents requirement in Mathematics. Students who are registered in Algebra I and having difficulty with the course are also eligible for this course.

0346 PRE ALGEBRA (1 Credit R)

Prerequisite: Score below 75 in 8th Grade Mathematics

This course is the first year of a two year program to prepare students for the Integrated Algebra regents. Students will demonstrate mathematical reasoning in a variety of ways when solving problems. They will utilize the graphing calculator to enhance their study of mathematics. The topics covered through problem solving will be operations of monomials and polynomials, factoring, techniques of graphing, solving linear and quadratic equations, and coordinate geometry.

0347 ALGEBRA I (1 Credit R)

Prerequisite: Successful completion of Mathematics 8

This course prepares students for the Integrated Algebra Regents exam. Students will demonstrate mathematical reasoning in a variety of ways when solving problems. They will utilize the graphing calculator to enhance their study of mathematics. The topics covered through problem solving will be operations of polynomials, factoring, techniques of graphing, solving linear and quadratic equations, operations with radicals, patterns relations and functions, coordinate geometry, statistics and probability. The Integrated Algebra Regents Examination will be given at the end of this course.

0355 GEOMETRY HONORS (1 Credit H)

Prerequisite: Successful completion of Algebra I

Honors and meet requirements in the Guidance section of this catalog.

This accelerated course for ninth grade students prepares them for the Geometry Regents which will be administered in June. Enrichment activities will also be integrated into the curriculum. Students will continue using a graphing calculator to enhance their study of mathematics. The topics covered will include informal and formal proofs, constructions, locus, transformational geometry, and coordinate geometry.

0364 GEOMETRY (1 Credit R)

Prerequisite: Successful completion of Algebra I and a grade of 65 or better on the Integrated Algebra Regents.

Students will be required to use the graphing calculator throughout this course. This course culminates in a regents exam. The topics covered will include informal and formal proofs, constructions, locus, transformational geometry, and coordinate geometry.

MATHEMATICS

0365 ALGEBRA II AND TRIGONOMETRY HONORS

(1 Credit H)

Prerequisite: Successful completion of Geometry Honors and meet requirements in the Guidance section of this catalog.

This accelerated course for tenth grade students prepares them for the Algebra 2 and Trigonometry Regents which will be administered in June. Enrichment activities will also be integrated into the curriculum. Students will continue using a graphing calculator to enhance their study of mathematics. The topics covered will include rational expressions, complex numbers, exponential and logarithmic functions, probability and statistics, development of circular functions (trigonometry), and sequences and series.

0331 ALGEBRA II AND TRIGONOMETRY

(1 credit R)

Prerequisite: Successful completion of Geometry and a grade of 65 or better on the Geometry Regents. Students will continue using a graphing calculator to enhance their study of mathematics. This course culminates in a regents exam. The topics covered will include rational expressions, complex numbers, exponential and logarithmic functions, probability and statistics, development of circular functions (trigonometry), and sequences and series.

ALGEBRA II AND TRIGONOMETRY SUPPORT

(0 Credit G)

Algebra II and Trigonometry Support is designed to support students' academic development and to assist students in gaining the knowledge and skills necessary to meet the Regents requirement in Algebra II and Trigonometry. This course is mandated for all students who have scored below a 75 on the Geometry Regents and/or below 75 in the Geometry course. Students enrolled in this course must also be enrolled in Algebra II and Trigonometry.

0330 INTERMEDIATE ALGEBRA

(1 Credit R)

This course is designed for students who have completed the Algebra I and/or the Geometry curriculum and who are not ready for Geometry or Algebra II and Trigonometry, but need the required third year of math. The course will strengthen and build upon algebraic skills, introduced advanced geometric concepts and explore real world applications. The use of technology will be utilized throughout the course. *The final examination is a departmental examination.*

0316 ELEMENTARY STATISTICS

(1 Credit C)

Prerequisites: Successful completion of Geometry.

This mathematics course will explore the different ways statistical and probability as well as explore real world applications. The use of technology and the graphing calculator will be utilized extensively throughout the course. The class is designed for seniors although juniors may register for this class with teacher recommendation and the approval of the Curriculum Associate for Mathematics and Business. **Upon successful completion, students can earn 3 college credits from SUNY-Farmingdale.**

0359 COLLEGE ALGEBRA

(1 Credit C)

Prerequisite: 75 or better in Intermediate Algebra and/or passing the AlgII/Trig course and/or 75 or better in Geometry.

This senior mathematics course, given under the aegis of Suffolk Community College, will essentially be a course in advanced algebra, covering such topics as operations on radicals and complex numbers, rational exponents and roots, rational expressions, and systems of equations and inequalities. **Upon successful completion, students can earn 4 college credits from Suffolk Community College.**

0360 INTRO TO COLLEGE MATH

(1 Credit R)

Prerequisite: Successful completion of Intermediate Algebra or Geometry.

This is a senior math class designed to prepare students for introductory level college math courses as well as success on college placement exams. The course will highlight the basics of all major areas of mathematics including: logic, number and set theory, elementary algebra, the history of math, and probability.

MATHEMATICS

0358 PRE-CALCULUS HONORS

(1 Credit C)

Prerequisite: Successful completion of Algebra II and Trigonometry H. See Honors requirements.

This course, given under the aegis of Suffolk Community College, stresses conceptual understanding of realistic problems and multiple approaches to various types of problems. Functions that model change are the central theme. Students are expected to explain their approaches to problems and their solutions. The graphing calculator will be used extensively throughout this course. Students will be expected to represent functions symbolically, numerically, graphically, and verbally. Wide applications of mathematics will be explored as students study linear, exponential, logarithmic, polynomial, trigonometric and rational functions, sequences and series, limits and an introduction to calculus. Students will be prepared to take the AP/College Calculus course. **Upon successful completion, students can earn 4 college credits from Suffolk Community College.**

0354 PRE-CALCULUS 12

(1 Credit C)

Prerequisite: Successful completion of Algebra II and Trigonometry and a grade of 75 or better on Algebra II and Trigonometry Regents

This course, given under the aegis of Suffolk Community College, stresses conceptual understanding of realistic problems and multiple approaches to various types of problems. Functions that model change are the central theme. Students are expected to explain their approaches to problems and their solutions. The graphic calculator will be used extensively throughout this course. Students will be expected to represent functions symbolically, numerically, graphically, and verbally. Wide applications of mathematics will be explored as students study linear, exponential, logarithmic, polynomial, and trigonometric and rational functions. **Upon successful completion, students can earn 4 college credits from Suffolk Community College.**

0315 MATH SAT PREPARATION

(1/2 Credit R)

Offered to: Grade 11 only.

This course is geared to preparing eleventh-year students for the SAT examination. This is an elective course taken by most college-bound juniors. Those enrolled in the course will be expected to take either the PSAT or SAT examination, as appropriate.

0349 ADVANCED PLACEMENT CALCULUS AB

(1 Credit C)

Prerequisite: 75 or better in Pre-Calculus and teacher recommendation

This college level course is designed to acquaint the student with the foundations and applications of calculus, and to develop the concept of the limit as applied to the definition of a derivative and definite integral. Emphasis will be placed upon applications involving analytic geometry, and the student's ability to handle complex algebraic manipulations in order to problem solve. This Advanced Placement Course in Calculus AB will prepare students to take the AP exam in May for which **up to 4 college credits may be awarded**. Students will be required to use the graphing calculator throughout this course.

0351 ADVANCED PLACEMENT CALCULUS BC

(1 Credit C)

Prerequisite: 95 or better in Pre-Calculus and teacher recommendation

This college level course is an intensive course designed for the advanced mathematics student. The topics covered on the BC exam are extremely challenging and require students to be able to analyze, discuss, graph, solve and write conclusions for problems in all fields of Science and Economics. Most colleges and universities grant advanced placement credit to students that are successful on the Advanced Placement BC exam. This Advanced Placement Course in Calculus BC consists of a full year of work comparable to two semesters of calculus courses in colleges and universities. All of AB Calculus topics will be covered along with parametric equations, polar graphing, series and other additional topics. Students will be prepared to take the AP exam in May for which **up to 8 college credits may be awarded**. Students will be required to use the graphing calculator throughout this course.

PERFORMING ARTS

DEPARTMENT OBJECTIVES: The courses and performing groups of the Music Department are designed to meet the needs, interests and talents of all senior high school students. The courses present the students with opportunities to study music from a technical aspect, to learn to understand and appreciate music through listening, and to develop self-expression through participation in the various instrumental and choral performing Groups. Students who plan to specialize in music or music education as a career are urged to begin theory studies as early as possible during their high school years. It is also recommended that students specializing in music should engage in maximum participation in one or more of the music performing organizations.

Students may fulfill the one credit graduation requirement in music or art by taking a performing course.

0901 SYMPHONIC BAND (1 Credit R)

Prerequisite: Teacher recommendation

The Symphonic Band is a culmination of the instrumental band program that begins in the fourth grade. It is the goal of this ensemble to develop a sensitivity and understanding of the great works of the masters and contemporary music through the medium of performance. The skills required for such performances are taught in the rotating instrumental class.

0903 CHORUS (1 Credit R)

Prerequisite: Teacher recommendation

This chorus will study and perform great choral literature of all types. Vocal technique is also taught in rotating group lessons.

0904 SYMPHONY ORCHESTRA (1 Credit R)

Prerequisite: Recommendation of present orchestra teacher or audition

Orchestra is the culmination of our string program that started in the fourth grade. String and full orchestra selections will be performed at concerts and festivals providing an opportunity for students to apply their skills taught in rotating lessons. Increased proficiency and exposure to a variety of contemporary and classical music will result in a greater appreciation and understanding of the aesthetic quality of great art. Technique is taught in rotating group lessons.

0916 WIND ENSEMBLE (1 Credit R)

Prerequisite: Teacher recommendation

The Wind Ensemble consists of 30 to 40 members who have the ability to perform at NYSSMA level V or VI. Selected members also perform as the Orchestra's wind and percussion sections. Attendance at rotating lessons is also required.

0909 MUSIC PRODUCTION & ENGINEERING (1 Credit R)

In this class, students will obtain and demonstrate hands on-skills in the production and engineering of music. Topic will include: 1) Acoustics, 2) Microphones and microphone placement, 3) Mixing consoles and the signal path, 4) Multi-track tape recorders, 5) Signal processing, 6) Recording techniques, 7) Stereo imaging, 8) synthesizers and computers, 9) copyrighting and 10) career opportunities.

0908 BEGINNING GUITAR (1 Credit R)

Students will be introduced to the fundamentals of reading music, technique, basic chords and scales. These concepts will be applied through the study of songs in an ensemble setting.

0907 GUITAR ENSEMBLE (1 Credit R)

Prerequisite: Beginning guitar or audition demonstrating NYSSMA performance Level III. This ensemble studies and performs music for multiple guitars and guitars with other instruments. Repertory includes classical, jazz and contemporary selections. Technique is taught in rotating lessons.

PERFORMING ARTS

0921 MUSICAL THEATRE WORKSHOP (1 Credit R)

Prerequisite: Teacher recommendation

This class is for students who like to sing, dance, and act, and who want to learn how to do it better. Students will learn songs and scenes from great musicals and perform them on a regular basis. They will also learn about the history of musical theatre and attend performances in New York City and on Long Island. Students will also learn audition techniques to help prepare them for college admissions.

0925 AP MUSIC THEORY (1 Credit C)

This class teaches how to compose, arrange, and analyze music. It also includes instruction in sight singing and ear training, to prepare students for music classes in college. Students who need a major sequence in music and/or are planning on studying music in college must take this course. Students who want to take the Advanced Placement exam in Music Theory may take this class for “C” (college level) credit—there will be additional after-school sessions in the spring. They may then take the Advanced Placement test and earn college credit. This decision does not have to be made until the second semester. Students who are not currently enrolled in a performing ensemble should see Mr. Abrams before registering for this class.

PHYSICAL EDUCATION

DEPARTMENT OBJECTIVES:

The Physical Education program provides opportunities for learning, enjoyment, challenge, self expression and social interaction through sport and physical fitness activities. Traditional sport activities as well as life time activities are emphasized. Additionally, cooperative activities offer the student the chance to challenge oneself and to work with others to obtain a desired outcome.

Requirement: The passing of eight (8) semesters of Physical Education (4 years) is required for graduation. The Physical Education grade is included in the GPA and 1/4 credit is granted each successful semester for a total of 2 credits for graduation.

COURSE OFFERINGS

1103 PHYSICAL EDUCATION 9-10 FALL

(1/4 Credit NR)

1104 PHYSICAL EDUCATION 11-12 SPRING

(1/4 Credit NR)

Students will participate in individual and team activities developed through the Sport Education Model. This approach is designed to gradually shift decision making from teachers to students. When students are empowered to take responsibility for their actions, they have the opportunity to practice the element of the following standards: Choosing appropriate personal health and fitness practices, leading in creating and maintaining safe and positive experiences for all and utilizing available personal and community resources. There are many objectives of the Sports Education season to help students. Some include: Developing skills and fitness that are sport specific, sharing in the planning and administration of their sport experience and working efficiently with a group toward a common goal. The overall purpose of this program is to provide a "take-off point" for creative approaches to the teaching of the affective curriculum in both traditional sport units and non-traditional adventure type units.

1119 COMPETITIVE PHYSICAL EDUCATION

(1/4 Credit NR)

1121 YOGA

(1/4 Credit NR)

In this course students will develop the mind, body, and spirit through the practice of yoga. Yoga is a life time practice which can serve as a foundation for a life of health and well-being. The benefits of a regular yoga practice could extend beyond the yoga mat and into the classroom. The daily class activities will include mini-lessons, warm-up stretches, breathing techniques, yoga postures, relaxation, and discussion/integration.

1113 ADAPTED/ADAPTIVE PHYSICAL EDUCATION FALL

(1/4 Credit R)

1114 ADAPTED/ADAPTIVE PHYSICAL EDUCATION SPRING

(1/4 Credit NR)

Prerequisite: Inclusion only through referral process and departmental approval.

The Adapted/Adaptive program is a comprehensive service delivery system designed to identify and ameliorate problems within the psychomotor domain. Services include psychomotor assessment, individualized educational programming, developmental and/or prescriptive teaching, counseling and coordination of related resources. Services provide optimal physical educational experiences for students who may not safely or successfully engage in unrestricted participation in the activities of the regular physical education program.

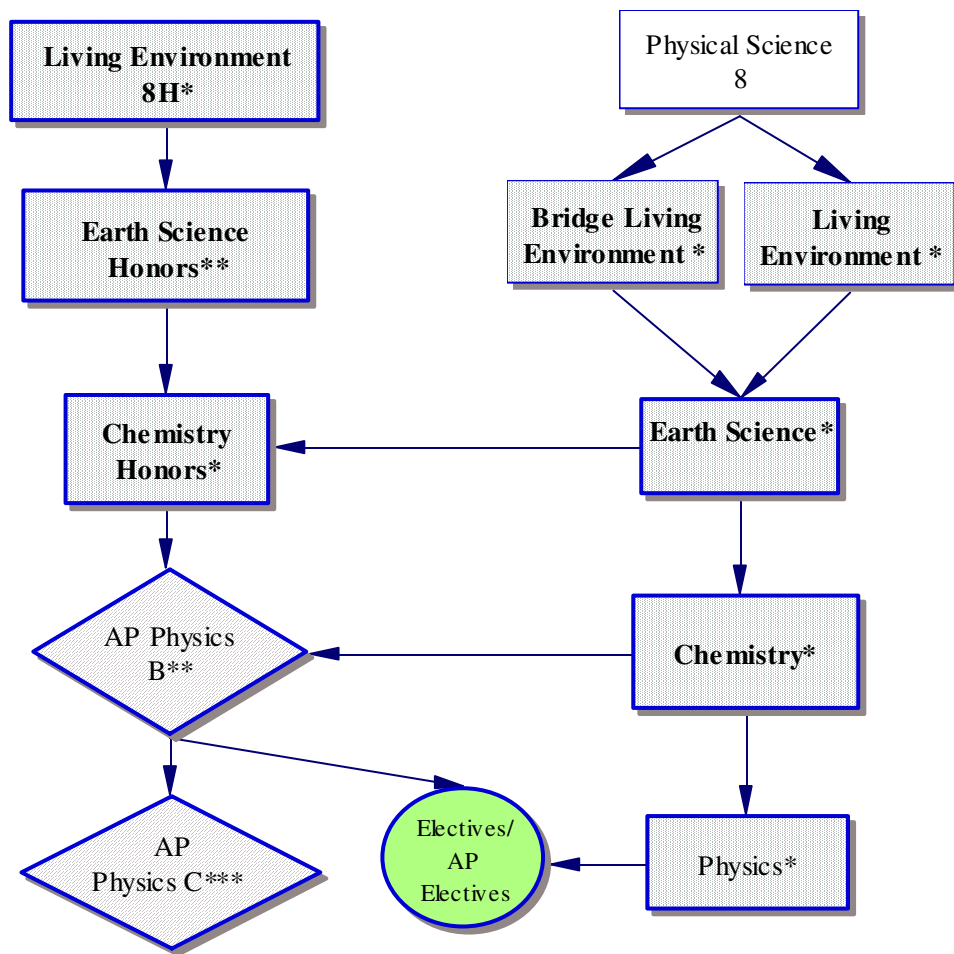
1123 PERSONAL HEALTH AND FITNESS I

(1/2 Credit NR)

1120 PERSONAL HEALTH AND FITNESS II

(1/2 Credit NR)

This elective course is designed to assist students with understanding excessive by participating in a progressive program that focuses on primarily on sport specific training. Students will be focusing on muscular endurance, muscular strength, cardiovascular endurance, and flexibility. Students will be able to monitor their improvement over the semester.



Electives
 For a full list of Science Electives please refer to the course description in the following pages
 Not all courses are offered every year

- * Course culminates with a Regents Exam
- ** Course culminates with an AP Exam & Regents Exam
- *** Course culminates with an AP Exam

Science Graduation Requirements
 3 Course Credits (2 courses that culminate in a Regents)
 &
 1 Regents Exam - Regents Diploma
 2 Regents Exams - Regents Diploma with Advanced Designation

SCIENCE

DEPARTMENT OBJECTIVES: Science is part of our everyday lives. If you have ever wondered why a morning is foggy, or observed a spider weaving its web, or positioned your beach blanket according to the tides, you have experienced science. Through science classes, we attempt to provide understanding to the science around us. Our courses are aligned with the NYS Standards in the Core areas of Living Environment and the Physical Settings. Freshmen and Sophomores usually take Regents courses in Living Environment and Earth Science. Juniors and Seniors usually take Chemistry and Physics. We encourage talented students to undertake the challenges of AP courses. Science electives are also available for qualified students. Laboratory work is an integral part of all Science courses. Students taking Regents Science courses must meet the NYS requirement of 1200 laboratory minutes followed by satisfactorily submitted lab reports. This is a mandate that must be completed for entrance into each Regents exam.

NOTE: Please read the honors/AP requirements in the Guidance section of this book.

CORE COURSES

0404 LIVING ENVIRONMENT

(1 Credit R)

This laboratory course is based upon the activities and content as specified in the New York State Living Environment Core Curriculum guide. This curriculum emphasizes the latest advances in scientific knowledge in the biochemical and evolutionary basis for life, the natural and human impacts on the global ecology and the unity and diversity of all living creatures. This course culminates in a Regents examination in June.

0409 FOUNDATIONS OF BIOLOGICAL SCIENCES

(1/2 Credit R)

This course is designed to enhance student understanding of biological science with a focus on graphing and lab skills. Students will further develop academic skills that will enhance their understanding of Biology, develop proper techniques used when constructing graphs, and the ability to decipher graphs, charts, and diagrams. An emphasis will be placed on student's ability to analyze and comprehend charts and diagrams through the use of visual aids and demonstrations.

0402 THE PHYSICAL SETTING: EARTH SCIENCE (1 Credit R)

Prerequisite: Successful completion of Living Environment This laboratory course is based upon the activities and content as specified in the New York State Physical Setting: Earth Science Core Curriculum guide. It is an interdisciplinary program in which students apply many of the topics of physics, chemistry, and mathematics studied in earlier grades. Students are required to complete a long-term investigation, along with a laboratory skills practicum. This course culminates in a Regents examination in June.

0457 FOUNDATIONS OF EARTH AND SPACE SCIENCES

(1/2 credit R)

This course is designed to enhance student's understanding of Earth and space sciences with a focus on graphing and mathematical skills. Students will further develop laboratory skills that will enhance their understanding of interactions in the Earth and space sciences. Emphasis will be placed on the student's ability to read and analyze scientific data, charts, graphs and diagrams.

0430 EARTH SCIENCE HONORS

(1 Credit R)

Prerequisite: Successful completion of Living Environment This laboratory course is based upon the activities and content as specified in the New York State Physical Setting: Earth Science Core Curriculum guide. It is an interdisciplinary program in which students apply many of the topics of physics, chemistry, and mathematics studied in earlier grades. Students are required to complete a long-term investigation, along with a laboratory skills practicum. This course culminates in a Regents examination in June.

0407 THE PHYSICAL SETTING: CHEMISTRY (1 Credit R)

Prerequisite: Successful completion of Living Environment and Earth Science.

This course is offered to students who have completed both the Living Environment course and The Physical Setting: Earth Science course. The content of this course follows guidelines provided in the NYS Core Curriculum Guide of The Physical Setting: Chemistry. Students will investigate basic chemical principles and the applications of chemical processes. Inquiry-based laboratory work is an integral part of the course. Students are required to complete a minimum of 1200 minutes of laboratory assignments, followed by written lab reports, as required by NY State Education Department. Students will be prepared for, and take the Physical Setting: Chemistry Regents as the final exam of the course.

0406 THE PHYSICAL SETTING CHEMISTRY HONORS

(1 Credit H)

(Recommended to students who have previously achieved a 85 or better in their course average for Earth Science and on the ES Regents exam, who have also achieved mastery level in their course average for Living Environment and on the LE Regents exam, and/or teacher recommendation.)

The content of this course follows guidelines provided in the NYS Core Curriculum Guide of The Physical Setting: Chemistry. Students will investigate content at an in-depth level, and should be able to maintain the pace necessary to provide comprehensive study of core topics. This content will provide the groundwork for the more rigorous Advanced Placement work in the field of Chemistry. Inquiry-based laboratory work is an integral part of the course. Students are required to complete a minimum of 1200 minutes of laboratory assignments, followed by written lab reports, as required by NY State Education Department. Students will be prepared for, and take the Chemistry Regents as the final exam of the course.

0411 FOUNDATIONS OF CHEMISTRY (1/2 Credit R)

This course is designed to enhance students' understanding of chemistry with a focus on graphing and mathematical skills. Students will further develop laboratory skills that will enhance their understanding of material tested on the Regents assessment. Emphasis will be placed on the student's ability to read, comprehend, and utilize material contained in the Chemistry Reference Tables.

0444 THE PHYSICAL SETTING: PHYSICS (1 Credit R)

Prerequisites: Successful completion of the Math A course and regents exam and Geometry. The content of this course follows guidelines provided in the NYS Core Curriculum Guide of The Physical Setting: Physics. Students will investigate basic principles of physics and the applications of physical processes. Inquiry-based laboratory work is an integral part of the course. Students are required to complete a minimum of 1200 minutes of laboratory assignments followed by written lab reports, as required by NY State Education Department. Students will be prepared for, and take the Physics Regents as the final exam of the course.

0425 FOUNDATIONS OF PHYSICAL SCIENCE (1/2 Credit R)

This course is designed to enhance students understanding of physics with an emphasis on developing math skills, graph interpretation, enhancing question comprehension, reference table analysis and general reinforcement of the physics course content material.

0463 ADVANCED PLACEMENT BIOLOGY (1 Credit C)

Prerequisites: Mastery level in Chemistry course average and Chemistry Regents exam, and/or teacher recommendation. Co-requisite: Must have taken or concurrently be taking Physics.

This course is designed to be the equivalent of a college introductory biology course offered to biology majors during the first academic year. Students are expected to have a comprehensive understanding of biological principles, cellular dynamics, chemical structures and chemical processes prior to entry into this course. Students are also expected to be self-motivated and capable of independent study and thus be able to meet rigorous academic demands. The course moves at a challenging pace and includes extensive in-depth study of cells and cell chemistry, animal and plant physiology, genetic applications evolutionary theory and processes, and ecological principles and dynamics. Under College Board AP guidelines, laboratory investigations are an integral part of this course. Instruction is on the college level. Students are expected to take the AP Biology examination.

0464 ADVANCED PLACEMENT CHEMISTRY (1 Credit C)

Prerequisites: Mastery level in Chemistry course average and Chemistry Regents exam. Co-requisite: Must have taken or concurrently be taking Pre-Calculus and Physics. This course is designed to be the equivalent of a college introductory chemistry course offered to chemistry majors during the first academic year. Students are expected to have a comprehensive understanding of chemical structures and processes prior to entry into this course. Students are also expected to be self-motivated and capable of independent study, and thus be able to meet rigorous academic demands. The course moves at a challenging pace and includes extensive in-depth study of reaction chemistry, thermodynamics, stoichiometry, nuclear chemistry, and kinetics. Students develop skills in mathematical interpretations of these processes. Under College Board AP guidelines, laboratory investigations are an integral part of this course. Instruction is on the college level. Students are expected to take the AP Chemistry examination.

0429 ADVANCED PLACEMENT PHYSICS B (1 Credit C)

Offered to: Grades 11 & 12

Prerequisite: Successful completion of Honors ES, LE and Chemistry Co-requisite: Must have taken or concurrently be taking Pre-Calculus.

This laboratory course provides a systematic introduction to both classical and modern physics with emphasis on their development for conceptual understanding and problem-solving ability. This course is designed for eleventh and twelfth graders who have demonstrated achievement and interest at a level well above average in both mathematics and science. All content as specified in the New York State Physical Setting: Physics Core Curriculum guide is also covered. Students will also take the Physics Regents examination in June. Instruction is on the college level and students are prepared for and expected to take the Advanced Placement examination in Physics B.

ELECTIVES

Please note that some elective classes are not run every semester. Please see your guidance counselor to review elective availability for a particular term.

0421 INTRODUCTION TO STAR PROGRAM

(1 Year– 1/2 credit H)

Offered: Period 10 to grades 11 & 12

0423 ADVANCED STAR PROGRAM

(1 Year- 1/2 credit H)

Prerequisite: Introduction to STAR Program

This course revolves around developing and completing a science project to compete in local, state, or national science competitions. Development of real-world skills, such as oral and written communication, statistical analysis, and technology will be a part of the curriculum. Students will be assessed by a portfolio that includes written work, project proposals, research analysis, and log data entry. Students are encouraged to take this course for successive years.

0462 STAR PROGRAM III

(1 Year—1/2 credit H)

Prerequisite: Advanced STAR Program

0451 ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE

(1 Credit C)

Prerequisite: Successful completion of Regents examination graduation requirements in Science. Successful completion of the Chemistry course and a minimum grade of 65 on the regents exam is also highly recommended. This laboratory course provides a systematic introduction to the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. This is an interdisciplinary course that embraces a variety of topics of Biology, Earth Science, Chemistry and Physics. These principles will be applied to identification and analysis of environmental processes both natural and man-made, evaluating the relative risks associated with these problems, and examining alternative solutions for resolving and/or preventing them. Instruction is on the college level and students are prepared for and expected to take the Advanced Placement examination in Environmental Science.

0452 ADVANCED PLACEMENT PHYSICS C

(1 Credit C)

Offered to: Grade 12 only

Prerequisite: Successful completion of Regents Physics or AP Physics B Co-requisite: Concurrent registration in AP Calculus.

This laboratory course extends the introduction to physics completed during the first year of physics and is designed for twelfth graders who intend to pursue careers in engineering, physics and/or higher mathematics. The course focuses on two content areas: Mechanics and Electricity/ Magnetism. Instruction is on the college level and students are prepared for and expected to take the Advanced Placement Physics C examinations: AP C Mechanics and AP C Electricity/Magnetism.

0419 MARINE BIOLOGY I

(1/2 Credit R)

Offered to Grades 11 & 12

Prerequisite: Completion of Regents examination graduation requirements in Science.

This laboratory-based course is designed to provide students with real-world laboratory experience via classroom and field-based activities. The focus of this course is the variety of marine communities and the complex inter-relationships of marine life. Case studies will be utilized to assist students in developing an awareness of the economic, political, ecological and moral issues involved in decisions affecting our marine environment. This course will focus on the formation of the oceans, ocean topography, ocean tides and currents, marine plants, and invertebrates.

0440 MARINE BIOLOGY II

(1 1/2 Credit R)

Offered to Grades 11 & 12

Prerequisite: Completion of Regents examination graduation requirements in Science.

Note: Marine Biology ii may be taken before, or without having taken Marine Biology I.

This laboratory-based course is designed to provide students with real-world laboratory experience via classroom and field-based activities. The focus of this course is the variety of marine communities and the complex inter-relationships of marine life. Case studies will be utilized to assist students in developing an awareness of the economic, political, ecological and moral issues involved in decisions affecting our marine environment. This course will focus on the vertebrate wildlife found in and near the oceans and the adaptations they have that aid them in survival.

SCIENCE

0441 INTRODUCTION TO GENETICS

(1/2 Credit R)

Prerequisite: Completion of Regents examination graduation requirements in Science.

The main focus of this class will be to communicate and generate excitement about the field of genetics. An emphasis will be put on exploring current topics and advances in genetics. Field trips to Cold Spring Harbor lab will be planned for students to carry out lab activities. Many of the topics can stimulate great class discussion where students can debate the risks and benefits of DNA technology.

0438 ANATOMY AND PHYSIOLOGY I

(1/2 Credit R)

Offered to Grades 11 & 12

Prerequisite: Completion of Regents examination graduation requirements in Science.

This course is to provide students with a firm understanding of the fundamental anatomical terms and structures. The class will study how the different systems of body function together, as well as the effects of malfunctioning body systems. This course will focus on cells, integumentary systems, skeletal and muscular systems, nervous and endocrine systems, and digestive system.

0466 ANATOMY AND PHYSIOLOGY II

(1/2 Credit R)

Offered to Grades 11 & 12

Prerequisite: Completion of Regents examination graduation requirements in Science.

Note: Anatomy & Physiology II may be taken before, or without having taken Anatomy and Physiology I.

This course is to provide students with a firm understanding of the fundamental anatomical terms and structures. The class will study how the different systems of body function together, as well as the effects of malfunctioning body systems. This course will focus on the circulatory system, respiratory system, excretory system, human immunity, and human reproduction and development.

0439 FORENSIC SCIENCE 1

(1/2 Credit R)

Offered to Grades 11 & 12

Prerequisite: Completion of Regents examination graduation requirements in Science.

Recent advancements in scientific fields have had an enormous impact upon law enforcement and the entire criminal justice system. In this course, scientific methods specifically relevant to crime detection and analysis will be explored. Emphasis is placed upon understanding the science behind the techniques used in evaluating physical evidence. This course will focus on observation skills, characteristics of a crime scene, information that can be retrieved from hair and fiber samples, and toxicology.

0405 FORENSIC SCIENCE II

(1/2 Credit R)

Offered to Grades 11 & 12

Prerequisite: Completion of Regents examination graduation requirements in Science.

Note: Forensic Science II may be taken before, or without having taken Forensic Science I.

Recent advancements in scientific fields have had an enormous impact upon law enforcement and the entire criminal justice system. In this course, scientific methods specifically relevant to crime detection and analysis will be explored. Emphasis is placed upon understanding the science behind the techniques used in evaluating physical evidence. This course will focus on fingerprint analysis, formation of casts impressions, blood evidence analysis, forgeries and counterfeiting, and ballistics.

SCIENCE

0417 COLLEGE LEVEL OCEANOGRAPHY

(1/2 Credit C)

Prerequisite/Co-requisite: Chemistry

This course is designed to allow students to obtain 3 college credits from Stony Brook University. The course will provide hands on experience via lab and field work. The topics addressed include the characteristics of the abiotic marine environment, the interdependence of the abiotic factors (geological, physical, and chemical) to the biological processes, and marine diversity. **Three college credits through SUNY Stony Brook. The cost is approximately \$100.**

0442 INTRODUCTION TO GEOLOGY

(1/2 Credit R)

Prerequisite: Completion of Regents examination graduation requirements in Science.

This course would provide in depth investigations of topics relating to the geology of Earth. Topics include the processes that form the earth, rock and mineral formations, geologic provinces in the United States and their formation and characteristics, geologic features/structures and their formation, economic aspects of geology. Students will research and present specific topics throughout the semester. In addition the course would offer field trips focusing on marine and glacial geology.

0418 MICROBIOLOGY

(1/2 Credit R)

Prerequisite: Completion of Regents examination graduation requirements in Science.

Microbiology will be primarily a laboratory oriented course. The course will include the study of mold, yeasts, algae and protozoans, but the major emphasis will be on the study of bacteria. This will include bacteria from different sources. Emphasis will be placed on microbial morphology, physiology, microbial genetics, virology and basic immunology. The relationship between disease and disease-producing organisms in our world will be discussed. Direct application of microbiology will be studied. This course will be valuable for those planning to enter health services and other related fields of study.

0443 INTRODUCTION TO METEOROLOGY

(1/2 Credit R)

Prerequisite: Completion of Regents examination graduation requirements in Science.

This course would provide in depth investigations of topics relating to the weather systems and climate of Earth. Topics include aspects of atmospheric phenomena, cloud types and formation, storm types and formation, atmospheric variables such as temperature, pressure, humidity, creation of station models, weather monitoring, research in global warming, and psychological and physiological effects of weather and climate on flora and fauna.

0449 INTRODUCTION TO ASTRONOMY

(1/2 Credit R)

Prerequisite: Completion of Regents examination graduation requirements in Science.

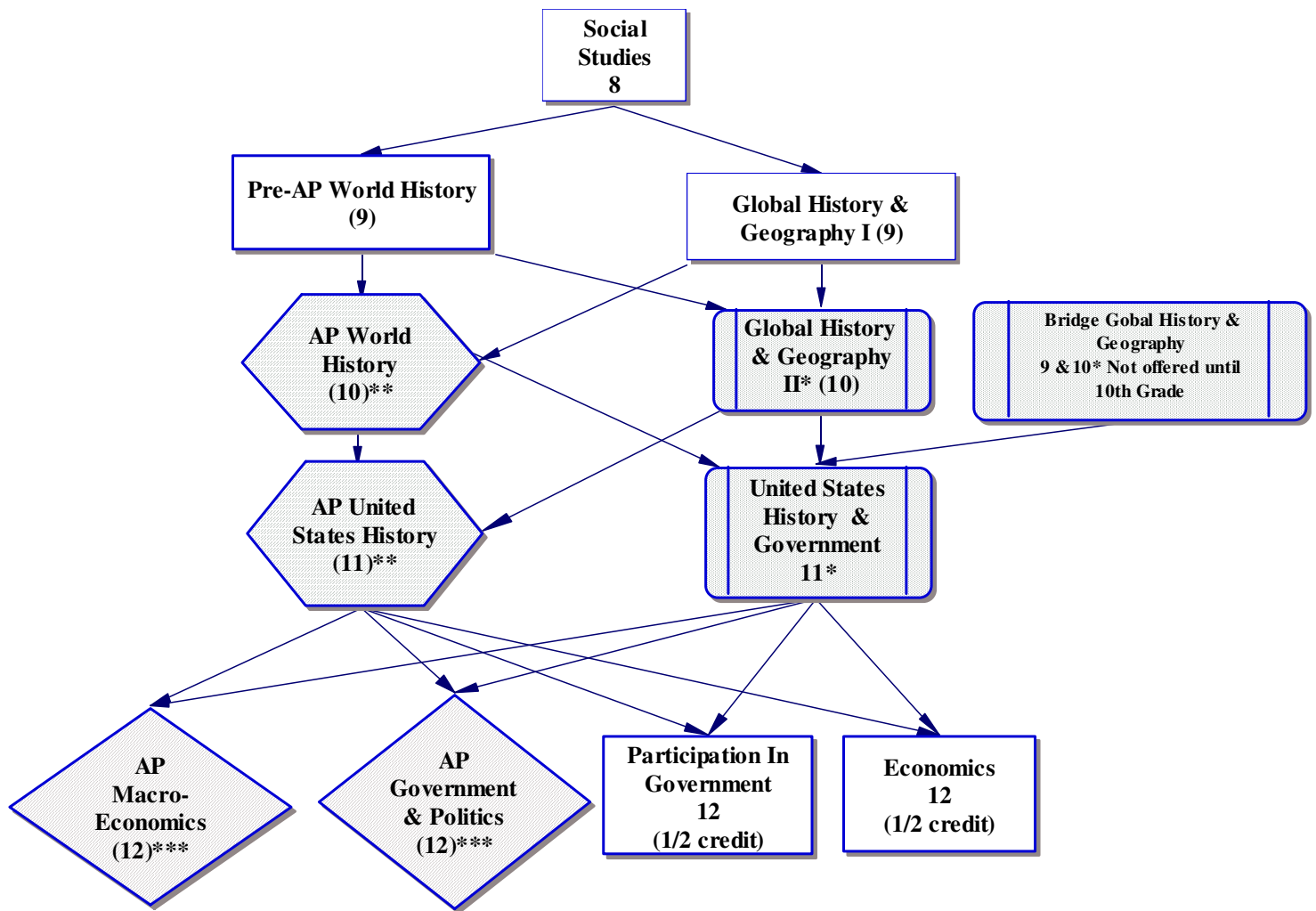
This course would provide in depth investigations of topics relating to the study of the planets and stars. Topics include but are not limited to theoretical astronomy (theories of universe, star, planet, formation, etc.), analysis of Hubble telescope data, current topics such as Mars and Lunar colonization/exploration, life in the universe, celestial objects such as black holes, dwarf stars, asteroids, meteorites, comets, etc. The course will include a section on star and sun observations.

0413 UNIFIED SCIENCE

(1/2 Credit R)

This course will give students a foundation of basic science skills needed to be successful in the pursuit in the sciences. This course is an activities-based science program that incorporates earth science, physics, and chemistry. There is a special emphasis on problem solving, scientific method, mathematics and writing.

SOCIAL STUDIES



Electives
 For a full list of Social Studies Electives please refer to the course descriptions
 Not all courses are offered every year

- * Course culminates with a Regents Exam
- ** Course culminates with a Regents and AP Exam
- *** Course culminates with an AP Exam

GRADUATION REQUIREMENTS FOR SOCIAL STUDIES
 4 Course Credits
 &
2 Regents Exams
 Global History and Geography Regents Exam (June 10th Grade)
 US History and Government Regents Exam (June of 11th Grade)

DEPARTMENT OBJECTIVES: As members of an ever-changing world, nation and community, our students have witnessed the hopes and fears of the modern age. As such, students at Deer Park High School need to cultivate deeper understandings of our nation's role in this world and appreciate their responsibilities in our community.

The primary objective of social studies instruction is to sensitize students to the multiple viewpoints and historical antecedents which explain the events of our day. It is also understood that history is the school of democracy. Therefore, learning the past will help inform our students of their responsibility to preserve what is great about our nation and world.

In our core courses and electives, students are constantly exposed to essential questions that permeate time and place. The issues, centering on the human experience, are grounded in a thorough study of the facts by means of analysis and interpretation. Research is also a central component to the four years of social studies courses that all students are required to satisfactorily complete for graduation.

NOTE: Please read the honors/AP requirements in the Guidance section of this book.

CORE COURSES

0239 GLOBAL HISTORY I (1 Credit R)

Students will study Global history from pre-history to the Enlightenment. Students will complete thematic essays and Document based Questions (DBQs), as part of their preparation for the Regents exam in Global History and Geography, which students take at the end of their sophomore year.

0203 WORLD HISTORY PRE-AP (1 Credit H)

This course is the first half of the World History AP Course. Students will study World History from prehistory to the Enlightenment. An emphasis will be placed on the development of students' critical analysis and writing skills. Students will complete thematic essays and document-based questions as part of their preparation for the World History AP Exam and Global History and Geography Regents, which they will take at the end of their sophomore year.

0240 GLOBAL HISTORY II (1 Credit R)

Prerequisite: Successful completion of Global History I.

This half of the course covers Global History from 1750 until the present. The 10th grade course focuses on modern historical eras, and primary source documents. Students will be required to take the Global History Regents which mandates: thematic writing, constructed responses, and document based historical questions. A cumulative midterm is administered in January. The mandated Regents exam required at the end of the course will be used as the final for the course.

0265 AP WORLD HISTORY (1 Credit C)

This year long advanced placement history course is intended to provide the student with an understanding of the base upon which the modern world was built. The course is designed to begin with an introduction from the ancient world and includes major emphasis upon the religious, cultural, and political aspects of European, African, and Asian history. A balanced approach will be taught covering the continents of Europe, Asia, Africa, and the Americas. The time frame of the course will span from 8000 B.C.E. to the present using the six themes outlined in the *AP® World History*

SOCIAL STUDIES

Course Description. In addition, the class emphasizes analytical and writing skills necessary for success on the AP World History exam with substantial time dedicated to the assessment of primary source documents, Socratic seminars, written assignments, and research.

0241 UNITED STATES HISTORY & GOVERNMENT (1 Credit R)

Prerequisite: Successful completion of Global History 10 or the Global History I & II course

This is a survey course in the history of the United States. The emphasis will be on the government of the U.S. and the Constitutional foundations. Constitutional and legal issues will be explored in depth, as will be the problems of our industrial society in an increasingly complex and technology-oriented world. The essential question: "What is the American Dream and have we fulfilled it as a nation?" is central to the course and allows for interdisciplinary connections with the curriculum in English 11. The United States History and Government Regents will be the final exam in the course.

0220 ADVANCED PLACEMENT US HISTORY (1 Credit C)

Prerequisite: Successful completion of AP World History or demonstrated excellence in Global 10.

The Advanced Placement course in American History is designed to give interested and able students the opportunity to study American history in depth. A college textbook is used to provide the background necessary for the student. In addition, the student is required to examine primary and secondary documents, as well as conflicting interpretations of history. A full length, AP-style midterm is administered in January. Students must sit for the Advanced Placement United States and Government examination which affords the opportunity to receive college credit with a qualifying mark. Students will also be required to take the United States History and Government Regents as their final exam in the course.

12TH GRADE SOCIAL STUDIES:

Students must take a ½ credit of Economics and a ½ credit of Participation in Government as both are required for graduation.

0214 ECONOMICS (1/2 Credit R)

This course will introduce the basic concepts of economic theory to all students. Areas of study include: introduction to economics and economic systems; elements of the economy (microeconomics); understanding the natural economy (macroeconomics); and issues in the US and world economies. A final exam and several "real-world" projects are part of this course. This course satisfies the 1/2 credit senior mandated requirement in economics.

0238 ADVANCED PLACEMENT MACROECONOMICS (1/2 Credit C)

Offered to: Grade 12 only

Prerequisite: Successful completion of AP U.S. History.

This course includes an introduction to economic theory, and the course studies business structure and economics at the individual and societal level. It is for all college-bound seniors with special interest in business, accounting, finance, banking and prelaw. Students who enroll in this course must also meet one semester requirement in Participation in Government and must also take the Advanced Placement Exam in microeconomics in the Spring of that school year. It is highly recommended that a student be proficient in mathematical computations to understand the underlying economic principles that are inherited in this course. This course satisfies the 1/2 credit senior mandated requirement in economics.

0212 PARTICIPATION IN GOVERNMENT

(1/2 Credit R)

This course focuses on the formation of effective public policy. Students are taught skills of decision making and problem solving in the context of evaluating real issues confronting the communities in which the students live. Central to this course is the manner in which decisions are arrived through involvement of individuals as participating citizens. Another area studied is how citizen influence can be used in policy making at various levels of government. Emphasis will be on real-world issues that are in line with content standards and course assessments. Students are required to participate in government on the local level by attending and summarizing local government meetings. This course satisfies the 1/2 credit senior mandated requirement in Participation in Government.

0215 ADVANCED PLACEMENT GOVERNMENT & POLITICS

(1/2 Credit C)

Offered to: Grade 12 Only

Prerequisite: Successful completion of AP U.S. History.

AP Government and Politics examines the following six major areas of study: Constitutional influences on the U.S. Government, political beliefs and behavior; the functioning of political parties, the rules of the three branches of the U.S. Government, public policy, and civil liberties and civil rights. This course offers students an opportunity to achieve college credit and study politics on a more challenging level. Students must sit for the AP Exam on Government and Politics. This course does not exempt a student from taking the N.Y.S. mandated course in Economics.

ELECTIVES

The elective courses offered through the social studies department have a twofold mission. They are available for student to be able to take courses that match their interests in the social sciences. Additionally, the elective courses are meant to supplement and work in conjunction with our core courses while allowing students to achieve a deeper understanding of social studies issues, according to their interests, during their normal school day.

0213 ADVANCED PLACEMENT PSYCHOLOGY **(1 Credit C)**

Prerequisite: Successful completion of AP World History or Psychology.

This course is the equivalent of an entry level college psychology course. Students must sit for the Advanced Placement Psychology exam administered by the College Board in May. Colleges have the option of awarding college credit based on the student's AP exam grade.

0218 PSYCHOLOGY

(1/2 Credit R)

Prerequisite: Global II or AP World History

This course is a basic introduction to psychology, covering such areas as personality, learning, deviance, and various psychological theories. Research into current trends and theories in psychological applications are also an expectation of each student.

0229 ABNORMAL PSYCHOLOGY I

Prerequisite: Global 10 or AP World History

(1/2 Credit R)

This course will focus on specific abnormal and psychotic behaviors, such as: schizophrenia, depression, multiple personalities, eating, anxiety and childhood disorders.

0230 ABNORMAL PSYCHOLOGY II

(1/2 Credit R)

Prerequisite: Abnormal Psychology I or permission of instructor

This course will focus on anxiety, mood, social, psychotic and developmental disorders: as well as mental health and the law. Topics will include: phobias, depression, dementia, alcoholism, sexual and gender identity, and criminal responsibility.

SOCIAL STUDIES

0228 CONSTITUTIONAL LAW

(1/2 Credit R)

Prerequisite: Global II or AP World

This course will focus on contemporary criminal and civil legal issues related to the Constitution. Case studies relevant to the student's lives as well as mock trials will highlight this course.

0244 HISTORY THROUGH MULTIMEDIA - WORLD

Co-Requisite: Global II or AP World History

(1/2 Credit R)

Offered to: Grade 10

This course will focus on the study of various historical events, eras, issues, and personalities in World History as depicted through the film, literature, music, and art of the twentieth and twenty-first centuries. Students will be required to give critical reviews of the medium presented, based on their knowledge of the historical period involved.

0245 HISTORY THROUGH MULTIMEDIA - US

(1/2 Credit R)

Offered to: Grades 11 & 12

This course will focus on the study of various historical events, eras, issues, and personalities in United States History as depicted through the film and literature of the twentieth and twenty-first centuries. Students will be required to give critical reviews of the medium presented, based on their knowledge of the historical period involved.

0250 IMPACT OF SPORTS IN HISTORY

(1/2 Credit R)

Pre-Requisite: Global History II or AP World History

This course will provide students with an overall view of the impact of sports throughout history, beginning with the emergence of the Olympics in Greece and continuing through the 21st century. Focus topics will include discrimination in sports, Title IX cases, the economics of sports among others. Various source materials would include documentaries, Internet research, print materials. Students will engage in research projects, discussion and debate on the focus topics.

0260 A HISTORY OF GENOCIDE

(1/2 Credit R)

Co-Requisite Global 10 or AP World History

This course will look at the sociopolitical, economic, and nationalistic causes of genocide from a worldwide perspective. The course will begin with the formation of the European nation-state and the subsequent development of a heterogeneous society in which minority groups formed. A look at European Jewry will begin with the Crusades and Middle Ages into the 20th century Holocaust. Mass murder that occurred during Imperialism in 19th century Africa and Asia will include European as well as indigenous perspectives. The culmination of the course will be a focus on the 20th century. Topics covered are as follows: The Armenian Massacre, Stalin's Forced Famine, The Holocaust, Cambodian Genocide, Yugoslavia, Rwanda and contemporary genocide in Darfur.

0246 CRIMINAL JUSTICE

(1/2 Credit R)

Prerequisite: Global II or AP World History

This course focuses on the law and criminal justice system in the United States. It analyzes the impact of our legal system on our lives, and how the courts deal with crime and punishment.

0261 SENIOR INTERNSHIP

(Up to 3 Credits)

Offered to: Grade 12 only

The Senior Internship Program allows high school students to complete an internship in a career of interest to them. The Internship Program can be helpful to students as it follows them to sample a career before making a college choice. Senior Internship is unique and requires students to complete 80 unpaid hours throughout the course of the school year.

TECHNOLOGY

DEPARTMENT OBJECTIVES: The Technology courses offer a wide range of experiences to prepare students for our fast paced and ever changing technological society. The courses allow students to explore the broad field of engineering, spanning from design to production. Students will also have the opportunity develop their math, science, and problem solving skills in a hands-on and project-oriented setting, with real world applications. All courses are offered to grades 9-12 except where noted.

1008 ELECTRICITY/ELECTRONICS I (1/2 Credit NR)

This course is designed to introduce students to electronics and electricity. Students will study electricity, through building a table lamp, and engaging in house wiring assignments on a free standing house wall. Students will also study electronics using E.I. "Mr. Circuit I" Electronic Discovery Lab. Students learn soldering skills and electronic components identification while assembling a number of electronic kits.

1004 METAL PROCESSING (1/2 Credit NR)

Students will learn how to shape metal using various power equipment and hand tools. They will engage in assignments in sheet metal, wrought iron (scroll), spot welding, brazing, welding and machine processes.

1011 COMPUTER AIDED DESIGN & DRAWING (CADD I) (1/2 Credit NR)

Did you ever wonder how to draw and design things that you use every day? In this course students will be learning how to use the Auto CAD to design and create computer generated drawings. This course focuses on learning the tools needed to create and design a variety of objects on the computer. The skills learned in this class can be applied in a variety of professions, such as engineering, architecture, landscape and product design.

1030 ROBOTICS (1/2 Credit NR)

Students will be introduced to robotics through hands on activities. They will explore pneumatics, hydraulics and computer programming with Lego kits. The students will learn electronic component identification and soldering skills with the assembly of various robotic kits.

1038 COMPUTER AIDED DESIGN & DRAWING II (CADD II) (1/2 Credit NR)

Prerequisite: CADD I

Have you ever wondered how they came up with constant changes in your I-pods, cell phones, and even automotive designs? This course builds on the knowledge base formed from CADD I and introduces the use of Autodesk INVENTOR, a 3D modeling program that assists students in designing real world objects. This course is designed to enhance student knowledge of engineering and design skills that can be applied in a real world setting.

1013 ARCHITECTURAL DRAWING (1 Credit NR)

Would you like to learn how to design and draw buildings and houses? Students will develop their design their design skills using AUTODESK REVIT, most advanced architectural design program used today. The course emphasizes the interrelationship between the disciplines of Civil Engineering and Architecture and is a must for students interested in becoming an architect or for those interested in learning how to design innovative concepts using the latest software.

1033 PRINCIPLES OF ENGINEERING (1 Credit NR)

Offered to Grades 10-11-12

This project based course exposes students to some of the major concepts they'll encounter in a secondary engineering course of study using a hands-on approach to learning. Students have an opportunity to investigate engineering and high-tech careers and to develop problem – solving skills and apply their knowledge of research and design to create solutions to various challenges. Students also learn how to document their work and communicate their solutions to peers and members of the professional community. This class should be considered a hands –on class.

This course can be used as the third year (credit) for Math or Science toward graduation.

TECHNOLOGY

1064 COMPUTER ANIMATION (MAYA)

(1/2 Credit NR)

Offered to Grades 9,10,11 & 12

Have you seen the movies AVATAR or SHREK? These movies were designed using the program Autodesk MAYA along with other design programs. MAYA has become one of the industry standards for 3D computer animation. The course is a series of project-based lessons designed to guide students through the process of creating and generating animation. In addition, students learn character modeling and how to animate texture map, add visual effects and render using the MAYA software.

COMPUTER SCIENCE I: INTRODUCTION TO PROGRAMING AND GAME DESIGN

(1 Credit NR)

The process of computer programming and program design will be the major focus of this course. Students will learn how a computer processes information and apply this knowledge to construct functional computer programs that accomplish a variety of tasks. The course will focus on programming using, Scheme, an introductory computer language designed for ease of learning and teaching and provides an excellent grounding for any student interested in pursuing an interest in computer science and allows an easy transition to the more advanced and syntactically more rigorous computer languages. In addition, students will also learn to use the Gamemaker graphical programming environment to create and design computer games.

1026 WOOD PRODUCTION

(1/2 Credit NR)

Students will learn how to use woodworking power equipment, i.e.: Radial Arm Saw, Table Saw, Jointer, Drill Press, Planner, and Lathe to build various projects including building an Adirondack Chair. In addition, students will learn various wood working and wood turning skills and techniques by designing and building individual items.

1036 WORLD OF TECHNOLOGY

(1 Credit NR)

Offered to Grades 9, 10, 11 &12

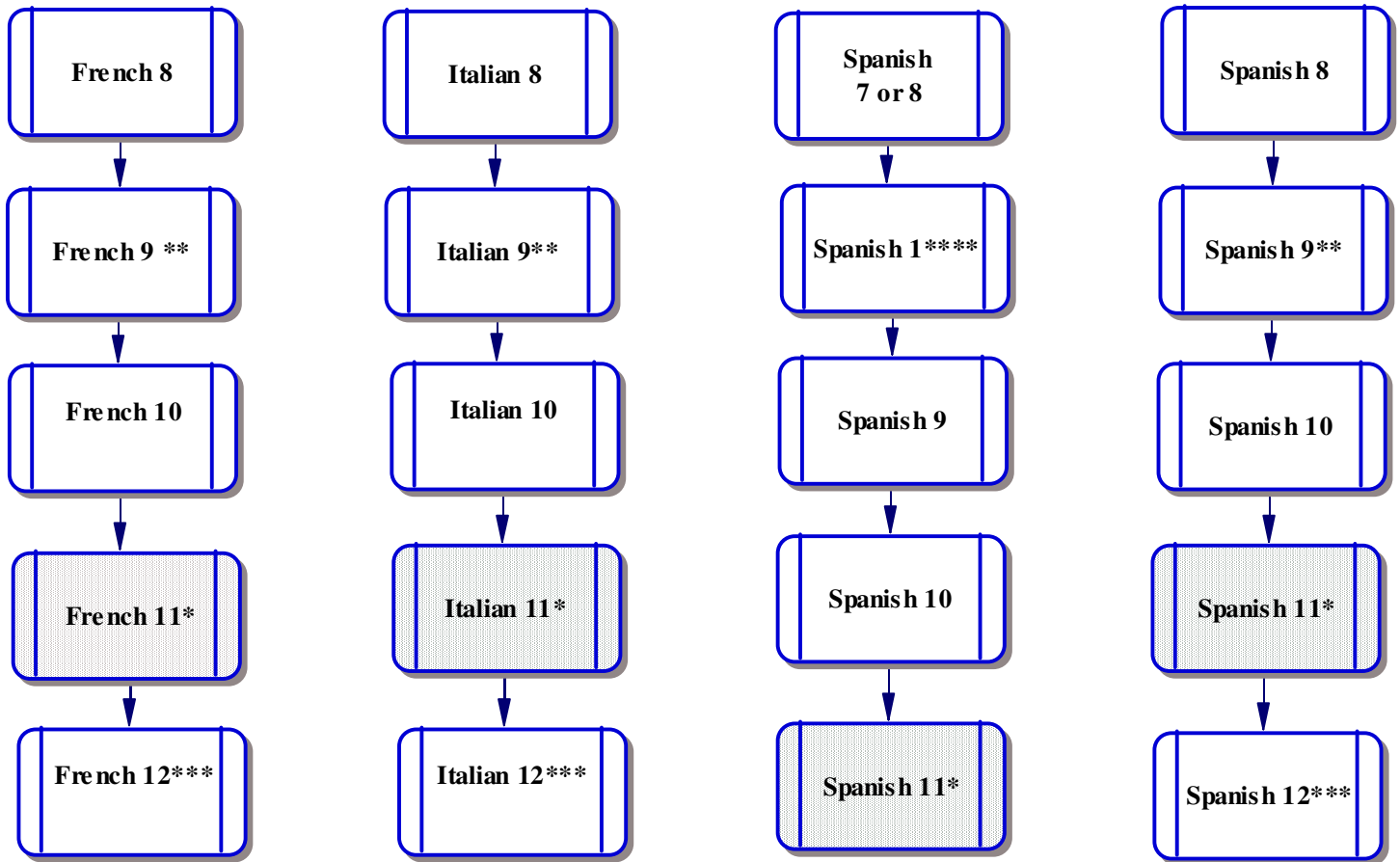
This course is designed to help students learn how math, science, and technology are related, and important in our daily lives. This is hands-on projects based course where students will use computer aided design to create and build projects ranging from race cars to team designed and built Trebuchet/Catapults. In this course students use 3D solid modeling design software AUTODESK Inventor to help them design solutions to solve proposed problems. Students will learn how to document their work and communicate solutions to peers and members of the professional community. Students will integrate math concepts, stemming from Algebra to Geometry, concepts familiar from Physical & Earth Science courses. The major focus of the IED course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation, **This course can be used as the third year (credit) for Math or Science toward graduation.**

1015 MECHATRONIC

(1 Credit NR)

Offered to grades 10, 11 & 12

This course will take you through three modules. Students will learn basic math skills and shop math that a person should have before entering the work force or any engineering program. Hands-on activities to promote group problem solving and communications skills. Students will learn Milling and Lathe skills as well as work online with the virtual CNC milling machine. Students will have access to the Suffolk Community College Mechatronic machinery. Student may complete the Mechatronic program in their senior year by participating in the Suffolk Community College Collegiate Institute.



*** Course culminates with a Regents Exam**

****Track for students entering with prior seat time in the language. Prerequisite for this track is passing the Grade 8 language and the passing of the LOTE Proficiency.**

***** Students enrolled in this course must have passed the regents exam with a minimum score of 75.**

****** Track for new students, students who have not taken the LOTE Proficiency Exam or have had less than 2 years of language study. Special situations will be reviewed by the Curriculum Associate for World Languages and ESL.**

LOTE Graduation Requirements

1 Course Credit - Regents Diploma

3 Course Credits - Regents Diploma with Advanced Distinction

1 Regents Exam - Regents Diploma with Advanced Distinction

WORLD LANGUAGES

Path I: New Language

Enrollment Criteria:

Enter Grade 9 with less than two (2) years prior language study.

OR

A new entrant to the district with no previous language study.

Sequence: Spanish I, Spanish 9, Spanish 10, and Spanish 11.

Special Options:

Take Comprehensive Spanish Regents in Grade 12.

Path II: Spanish

Enrollment Criteria:

Enter Grade 9 with two (2) years prior Spanish Language study and a passing grade on the NYS Proficiency Exam in Spanish;

Sequence: Spanish 9, Spanish 10, Spanish 11*, College Level Spanish Grade 12.

***Comprehensive Spanish Regents required in June.**

Special Options:

1. A student may “test out” in January of their junior year by taking the Comprehensive Spanish Regents five months early. Students must have a minimum overall average of 90 over 2½ years of study in Spanish, complete a required project, and score at least an 85 or higher on the Regents.

Spanish for College Credit in Grade 12 is offered as part of an extension program through St. John’s University.

Path III: Italian

Enrollment Criteria:

Enter Grade 9 with two (2) years prior Italian Language study and the passing of the NYS Proficiency Examination in Italian;

Sequence: Italian 9, Italian 10, Italian 11*, College Level Italian Grade 12.

*Comprehensive Italian Regents required in June

Special Options:

1. Italian for College Credit in Grade 12 is offered is offered as part of an extension program through St. John’s University.

Path IV: French

Enrollment Criteria:

Enter Grade 9 with two (2) years prior French Language study and the passing of the NYS Proficiency Examination in French;

Sequence: French 9, French 10, French 11*, College Level French Grade 12.

*Comprehensive French Regents required in June

Special Options:

1. French for College Credit in Grade is offered as part of an extension program through St. John’s University. World Languages are increasingly important in our shrinking world. Not only are they useful in a variety of career fields, but also help to break down barriers in communication. In today’s multi-ethnic society, it is more important than ever to be able to converse with those who do not speak our own language. The study of a Language other than English promotes a better understanding of the world in which we live.

*Path for new students, students with insufficient seat time, students who have been unsuccessful on the New York State Proficiency Examination and Grade 8 language class. The Director of World Languages will review special situations.

**Path for students entering with prior seat time in the language.

DEPARTMENT OBJECTIVES: World Languages are increasingly important in our shrinking world. Not only is language study useful in a variety of career fields, but possessing a Language Other Than English skill, helps break down barriers in communication. In today's multi-ethnic society, it is more important than ever to be able to converse with those who do not speak our own language. The study of a Language other than English promotes a better understanding of the world in which we live.

Language study begins in grade 5 with an exposure to French, Italian and Spanish. In grade 6, students select a language of study to explore. Once students enter grade 7, Checkpoint A coursework begins in French, Italian and Spanish. Students receive one unit of credit upon successful completion of Checkpoint A for grades 7 and 8 and the passing of the LOTE Proficiency Examination. At the high school level, continued language instruction is offered in French, Italian and Spanish. Students who wish to obtain a Regents Diploma with Advanced Designation must complete a three-year language sequence (Checkpoint B) and pass the Regents Examination. Students may enroll in language courses at the Checkpoint C level in French, Italian and Spanish. In these advanced level courses, eligible students may obtain college credit, in addition to school credit, by paying a non-refundable fee to St. John's University. Each year high-performing students are inducted into the National French, Italian and Spanish Honor Societies. Through the National Honor Societies, students are exposed to cultural aspects of languages they study and have the opportunity to participate in service activities.

0505 ITALIAN 9

(1 Credit-R)

Offered to: Grade 9 students

Pre-requisite: Successful completion of Italian 7, Italian 8 and the passing of the LOTE Proficiency Exam.

This course advances the student from Checkpoint A to Checkpoint B of the required New York State level of proficiency. Less emphasis is placed on imitation of sound patterns as students become more involved with spontaneous speaking patterns. Writing patterns are more advanced. Reading selections serve as an aid to the students as they become more aware

0506 ITALIAN 10

(1 Credit-R)

Offered to: Grade 10 students

Pre-requisite: Italian 9

This is a sequential course in Italian leading to Regents Credit. Emphasis is placed on listening, speaking, reading and writing skills in Italian involving everyday communicative situations.

0507 ADVANCED ITALIAN 11

(1 Credit-R)

Offered to: Grade 11 students

Pre-requisite: Italian 10

Emphasis is placed on communication skills in Italian. Intensive instruction is provided in advanced listening, speaking, reading and writing skills. **Students are required to take the Comprehensive Regents Examination in Italian at the end of the year.**

0508 College Level Italian 12

(1 Credit-C)

Up to 6 College Credits*

Offered to: Grade 12 students

Pre-requisite: Italian 11 and a grade of 75 or higher on the Italian Regents examination.

Students enrolled in this high school course, may earn up to six (6) college credits in Italian through St. John's University. Students who wish to earn college credit, must meet St. John's University's criteria and pay a fee to the university*. Emphasis is placed on practical conversation, culture and literature. A minimum score of 1000 on the PSAT/SAT, as well as, a minimum final average of 80 across five academic subjects, (85 for juniors enrolled), is required for those students who wish to earn college credit in this course.

WORLD LANGUAGES

0511 SPANISH I

(1 Credit-R)

Offered to: All Grade Levels

This is a beginning course in Spanish with emphasis on speaking, listening, reading and writing skills. This is the first course of a Regents credit sequence culminating in the Regents examination in Grade 11 or 12 for those students who are seeking languages other than English credit toward a Regents diploma. Students **with no prior study** of a language other than English or those who **failed a language other than English or Level 1 language course and or NYS Proficiency** are eligible for this class.

0509 SPANISH 9

(1 Credit-R)

Offered to: Grade 9 students

Pre-requisite: Successful completion of Spanish 7, Spanish 8 the passing of the NYS LOTE Proficiency Exam.

This course advances the student from checkpoint A to Checkpoint B of the required New York State level of proficiency. Less emphasis is placed on imitation of sound patterns as students become more involved with spontaneous speaking patterns. Writing patterns are more advanced. Reading selections serve as an aid to the students as they become more aware of contrasting customs and patterns. Listening and speaking skills are also stressed.

0515 SPANISH 10

(1 Credit-R)

Offered to: Grade 10 students

Pre-requisite: Spanish 9

This is a sequential course in Spanish leading to Regents credit. Emphasis is placed on listening, speaking, reading and writing skills in Spanish involving everyday communicative situations.

0516 ADVANCED SPANISH 11

(Credit-R)

Offered to Grade 11 students

Pre-requisite: Spanish 10

Emphasis is placed on communication skills in Spanish. Intensive instruction is provided in advanced listening, speaking, reading and writing skills. **Students are required to take the Comprehensive Regents Examination in Spanish in June**; eligible students may "test out" early in January.

0517 COLLEGE LEVEL SPANISH 12

(1 Credit-C)

Offered to: Grade 12 students

Up to 6 College Credits*

Pre-requisite: Spanish 11 and a grade of 75 or higher on the Spanish Regents examination.

Students enrolled in this high school course, may earn up to six (6) college credits in Spanish through St. John's University. Students who wish to earn college credit, must meet St. John's University's criteria and pay a fee to the university*. Emphasis is placed on practical conversation, culture and literature. A minimum score of 1000 on the PSAT/SAT, as well as, a minimum final average of 80 across five academic subjects, (85 for juniors enrolled), is required for those students who wish to earn college credit in this course.

0501 FRENCH 9

(1Credit-R)

Offered to: Grade 9 students

Pre-requisite: French 8 the passing of the NYS Proficiency Exam.

This course advances the student in French from Checkpoint A to Checkpoint B of the required New York State level of proficiency. Less emphasis is placed on the imitation of sound patterns as students become more involved with spontaneous speaking patterns. Writing patterns are more advanced and listening skills are stressed. Reading selections serve as an aid to students as they become more aware of contrasting cultural customs and patterns.

0519 FRENCH 10

(1Credit-R)

Offered to: Grade 10 students

Pre-requisite: French 9

This is a sequential course in French leading to Regents credit. Emphasis is placed on listening, speaking, reading and writing skills in French involving everyday communicative situations.

WORLD LANGUAGES

0525 ADVANCED FRENCH 11 (1 Credit-R)

Offered to: Grade 11 students

Pre-requisite: French 10

Emphasis is placed on communication skills in French. Intensive instruction is provided in advanced listening, speaking, reading and writing skills. **Students are required to take the Comprehensive Regents Examination in French at the end of the year.**

0560 COLLEGE LEVEL FRENCH 12 (1Credit-C)

Offered to: Grade 12 students

Up to 6 College Credits*

Pre-requisite: French 11 and passing grade on French Regents examination.

Students enrolled in this high school course, may earn up to six (6) college credits in French through St. John's University. Students who wish to earn college credit, must meet St. John's University's criteria and pay a fee to the university*. Emphasis is placed on practical conversation, culture and literature. A minimum score of 1000 on the PSAT/SAT, as well as, a minimum final average of 80 across five academic subjects, (85 for juniors enrolled), is required for those students who wish to earn college credit in this course.

ENGLISH AS A SECOND LANGUAGE

ENGLISH AS A SECOND LANGUAGE (ESL)

This state and federally mandated program, provides intensive English language skills to non-English speaking students, using ESL methodologies and learning strategies. The ESL teachers incorporate all of the language arts modalities, which consist of: listening, speaking, reading and writing. These classes not only teach English Language Arts, but also teach English through the content area. Students in this program must take the NYSESLAT, which is administered in April and May of each year. This examination is used to test a student's English language learning progress and also provides information concerning the student's English language proficiency level. The only method, in which a child may exit from the ESL program, is by testing at the proficient level on the NYSESLAT. The student's placement level, as provided by either the LAB-R or NYSESLAT, determines the number of ESL classes a student receives. Students may receive one, two or up to three ESL courses at the high school level. Students will receive one high school credit in English for this course.

Initial Identification and Placement

Newly registered students, who have indicated that a language other than English is spoken at home on their Home Language Questionnaire (HLQ), shall be screened by an ESL teacher. The initial screening consists of an informal interview and the administration of the New York State LAB-R examination. The test is used only once, at the time of registration in any school district in New York State. After this, the ELLs will be tested for English language development using the NYSESLAT.

The different levels of English language development as per the NYSESLAT are: Beginning, Intermediate, Advanced and Proficient.

In order to be placed at a level, ELLs must score the same on the L&S (Listening and Speaking) and R&W (Reading and Writing) sections of the NYSESLAT. If the student scores differently at these two levels, they will be placed at the level where they scored the lowest. The NYSESLAT must be taken each year until the student tests proficient.

Units of Credit Awarded to LEP/ELLs Entering High School in Grades 9 - 12

Proficiency Levels 9-12	Required Units of Study for Grades 9-12 (CR Part 154)	Required Units of Study for Grades 9-12 (CR Part 154)	Units Of Credit Awarded In English Language Arts	Units Of Credit Awarded In English as a Second Language
	ESL	ELA	Core Credits	Electives Credits
Beginning	3	-	1	2
Intermediate	2	-	1	1
Advanced	1	1	2	-
Proficient	-	1	1	-

**DEER PARK COLLEGIATE INSTITUTE
AT
SUFFOLK COUNTY COMMUNITY COLLEGE**

Since 2005, Deer Park High School has been sending some of our stronger students to nearby Grant Campus of Suffolk County Community College (SCCC). They have been able to enroll in real college classes with other college students. This allows them not only to earn college credits, but also to experience being in a college classroom while receiving instruction from a regular college professor. Participation in the program enhances their academic resume and has allowed our graduates entry into some of the most selective colleges.

This year, we are enhancing this program from one day each week to a five-day program and are adding a career track for those seeking immediate employment after high school graduation. Qualified juniors and seniors are invited to take classes **five mornings per week at the college**. Students will be bused to and from campus from the high school. This program offers students the college experience in addition to the college credit. Students will take courses that are suited to their individual ability and post-high school objectives. For the college bound student, there are two options:

- * Students with at least a 90 average, who are seeking admission to the more competitive colleges, can take honors classes at the college.
- * Students with at least an 85 average, who are seeking admission to most two/four-year colleges, can take regular college classes.

Upon graduation from high school, most students from either program qualify for admission directly into the SCCC Honors Program. When ready for four-year college applications, graduates of the program may request that a college professor send a letter of recommendation that is sent on college letterhead. Graduates of this program have been admitted into some of the best colleges in the nation and have earned significant merit scholarships.

Students who have at least a 75 average, may be interested in one of the career programs at the college. Those offered at the Grant Campus include Manufacturing Technology and Heating Refrigeration and Air Conditioning (HVAC). These programs lead to a certificate that qualifies them for immediate employment and provides college credit that may be applied to a college degree at Suffolk or elsewhere.

The guidance department of the high school will invite eligible students and their parents to informational meetings that are held in the high school during the spring. Applicants will take the college's placement test and tour the campus as part of the acceptance and placement process. There also will be a special orientation program at the college for all admitted students and their families.

ATHLETICS

DEPARTMENT OBJECTIVES:

Through the years, the Interscholastic Athletics Program has played an important role in the lives of students and community members. Each school year the sports season offers the current generation of student-athletes the same opportunity that presented itself to all who have ventured into the arena. Those students who choose to participate will learn invaluable lessons in the value of hard work, teamwork, personal sacrifice and commitment, time management, respect for authority and rules, as well as how to lead and follow. All students are encouraged to participate in athletic programs. Athletics offer students an educational experience that cannot be duplicated in a classroom. Lifelong friendships often develop between teammates and memories are forged through the seasons that are often recalled vividly years later. Coaches are available to discuss any aspect of their specific program with prospective athletes and/or parents. For further information, including tryout and Pre-Season Parent and Athlete Mandatory Code of Conduct Night dates and any additional sport season information, call the Athletic Office.

FALL

FOOTBALL (B) Varsity,
SWIMMING (G) Varsity
SOCCER, (B,G) Varsity, JV
CROSS COUNTRY (B,G)
VOLLEYBALL (G) Varsity, JV
TENNIS (G) Varsity, JV
CHEERLEADING (G) Varsity, JV

WINTER

BASKETBALL (B,G) Varsity, JV
SWIMMING (B) Varsity
WRESTLING (B) Varsity, JV
TRACK (B,G)
BOWLING (Co-ed)
CHEERLEADING (G) Varsity, JV
KICKLINE (G)

SPRING

BASEBALL (B) Varsity, JV
LACROSSE (B,G) Varsity, JV
SOFTBALL (G) Varsity, JV
TENNIS (B) Varsity, JV
TRACK (B,G)
GOLF (B,G) Varsity, JV

NCAA APPROVED CORE COURSES

The National Collegiate Athletic Association (NCAA) Eligibility Center certifies the academic and amateur credentials of all college bound student-athletes who wish to compete in NCAA Division I or II athletics. To be eligible to play Division I athletics, students must have successfully completed 16 approved core courses. These 16 courses must be completed as follows: 4 years of English, 3 years of math (algebra 1 or higher), 2 years of natural or physical science (including one year of lab science), 1 extra year of English, math or natural or physical science, 2 years of social science, and 4 years of extra core courses. Division II athletes must complete 14 courses as follows: 3 years of English, 2 years of math (algebra 1 or higher), 2 years of natural or physical science (including one year of lab science), 2 extra years of English, math or natural or physical science, 2 years of social science, and 3 years of extra core courses. A listing of Deer Park High School's List of Approved Core Courses is below. In addition, Division I athletes must have an acceptable GPA and SAT or ACT score based on the Division I Core GPA and Test Score Sliding Scale. Division II athletes only need a 2.0 GPA and either an 820 SAT (Critical Reading and Math) or 68 sum of score on the ACT. For more information or to register with the Eligibility Center in your junior or senior year, please visit www.ncaaclearinghouse.net. **In addition, all students interested in participating in Division I or II athletics must notify their counselor.**

APPROVED ENGLISH DEPARTMENT COURSES

English 9, 10, 11, 12 Regents, Honors
Creative Writing
Intro-Philosophy Introduction and II
Women's Studies
Writers Workshop

Literature of the Macabre
Dramatic Arts Advanced
Public Speaking
AP Language

Journalism
Speech and Dramatic Arts
The Science of Fiction
AP Literature

APPROVED WORLD LANGUAGE COURSES

Spanish 1, 9, 10
Italian 9, 10
French 9, 10

Advanced Spanish 11
Advanced Italian 11
Advanced French 11

College Level Spanish 12
College Level Italian 12
College Level French 12

APPROVED MATHEMATICS COURSES

Algebra I
College Algebra
Pre-Calculus Regular, Honors

Algebra II & Trig Regents, Honors
Elementary Statistics

AP Calculus AB and BC
Integrated Geometry Regents, Honors

APPROVED SCIENCE COURSES

AP Environmental Science
Chemistry Regents& Honors
Forensic Science I & II
Marine Biology I & II
Astronomy

AP Physics B
AP Biology
Living Environment Regents& Honors
Physics Regents
Intro to Genetics

AP Physics C
Earth Science Regents, Honors
Wilson Tech Applied Physical Science
Anatomy

APPROVED SOCIAL STUDIES COURSES

Abnormal Psychology I and II
Constitutional Law
Economics
Government
Wilson Tech Economics
US History & Government Regents, Honors AP

AP Economics Micro & Macro
Global History 9, 10 Regents, Honors
Psychology
US History Through Media
World History Through Media
AP World History

AP Psychology
Impact of Sports through History
AP European History
Wilson Tech Participation in Gov't
Criminal Justice
Pre-AP World History

VOCATIONAL EDUCATION

301 Wilson Tech General Occupational Education	A.M.	GRADES 11 & 12
1302 Wilson Tech General Occupational Education	P.M.	GRADES 11 & 12
1303 Wilson Tech General Occupational Education	A.M.	GRADES 11 & 12 4 Credits
1304 Wilson Tech General Occupational Education	P.M.	GRADES 11 & 12 4 Credits

Deer Park High School offers to its students an opportunity to attend the Lewis A. Wilson Technological Center for occupational training in specific areas of interest. The purpose of occupational education is to provide learning experiences in which all students become aware of a broad spectrum of occupations, and develop skills that are adaptable to personal and career roles and for entry into employment and/or postsecondary studies.

This training could cost a student many thousands of dollars at a private school. Deer Park pays supplemental tuition to Western Suffolk BOCES over and above the normal costs of educating a student in the high school. **Once a student graduates high school with a diploma, she/he may continue at the family's expense.**

Those students approved for such training must meet the criteria of career goal choice, aptitude and attendance record. They must be committed to a longer school day in order to be able to fulfill all graduation requirements and must accept either A.M. or P.M. session at Wilson Tech. Session selection is made by Wilson Tech. and is based solely upon scheduling priorities and course availability at Wilson Tech.

The choice of a Wilson Tech. commitment can be most influential upon the youngster's life and should not be made without deep thought and consideration of the alternatives. Student may earn either a Regents or local diploma. It is the responsibility of both students and their parents to investigate their options carefully before making this decision.

To assist you in this decision making process, the High School Guidance & Counseling Center will sponsor a special assembly to acquaint all sophomores with opportunities at Wilson Tech. A parent information night is also scheduled early in the Spring at Wilson Tech. The application deadline is February 28, 2009. The areas of study offered at Wilson Tech. are listed below. Generally, the two year courses are four credits each year. One year programs are designated (*).

NOTE: Seniors continuing in 2 year programs after graduation will be responsible for all tuition charges.

TRANSPORTATION OCCUPATIONS

Automotive Technology
Auto Body Repair
Aircraft Maintenance Technology
Aviation Science/Flight
Outdoor Power Equipment/Technology

CONSTRUCTION OCCUPATIONS

Carpentry
Construction Electricity
Drafting/Computer
Aided Design (CAD)
Heating A/C & Ventilation
Welding

TECHNICAL OCCUPATIONS

Technical Electronics
Computer Science
Computer Networking

SERVICE OCCUPATIONS

Cosmetology
Culinary Arts
Computer Information/Technology
Design
Early Childhood Education & Care
Fashion Merchandising/Floral Arts
Equestrian Studies/Horse Care
Horticulture & Landscaping
Police Science & Law
Veterinary Assisting

HEALTH OCCUPATIONS

Professional Health Careers*
Nurse Assisting*
Medical Laboratory Assisting
Medical Assisting

GRAPHICS AND MEDIA

Advertising Art
Printing
Photography/
Video Production

CENTRAL ADMINISTRATION

Eva J. Demyen, Superintendent

Frank Caliguiri, Assistant Superintendent, Pupil Personnel Services
Marguerite Jimenez, Assistant Superintendent, Business & Operations

BOARD OF EDUCATION

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Craig Evans, Associate Principal, Building Operations & Pupil Personnel Services
Jeanne Regan, Associate Principal, Curriculum, Instruction, & Assessment

DISTRICT ADMINISTRATORS & CURRICULUM ASSOCIATES

Jared Bloom, District Administrator for Instructional Technology
Dominick Fontana, District Administrator for Athletics, Health & Physical Education
Randi Medeiros, District Administrator for Special Education
Mary Reynolds, District Administrator for Human Resources
Danielle Sheridan, District Administrator for Elementary Curriculum & Instruction
Kimberly Skillen, District Administrator for Secondary Curriculum & Instruction

Deja Berry, Curriculum Associate, Business & Mathematics
Samir Biswas, Curriculum Associate, Science & Technology
Jeff Dailey, District Wide Curriculum Associate, Fine & Performing Arts
Christina Jaskowiak, Curriculum Associate, ELA, Library & Reading
Heather Stewart, Curriculum Associate, Family Consumer Science & Social Studies
Gina Palasciano, District Wide Curriculum Associate, World Languages & ESL