PINELANDS REGIONAL HIGH SCHOOL

GRADE 10, 11, 12

COURSE BROCHURE 2011/2012

INTERIM SUPERINTENDENT OF SCHOOLS

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STUDENT ASSISTANCE COUNSELOR

Melissa Thompson

GRADE 10/11/12
INTRODUCTION/INDEX

STUDENT SERVICES
2011-2012
HIGH SCHOOL

Emphasis on Individual Counseling

Large Group Counseling:
- Program Planning
- Assemblies
- Ocean County Vocational School Recruitment Assembly (sophomore class)
- College visitations
- National College Fair

Small Group Counseling:
- Children of Alcoholics
- Self-esteem (SAC)
- Recovering alcoholics/drug users (SAC)
- Family counseling
- College Representative visits
- Personal growth

Special Programs:
- PRIDE Club - Peer leadership programs
- Student Assistance Program - individual, group and family counseling
- Represented on restructuring committee and Instructional Council
- Local scholarship program
- Armed Forces recruiter visitations

Individual Counseling:
- Suicide intervention
- Abuse intervention
- Academic counseling
- Career counseling
- Post secondary education
- Personal/social counseling
- Attendance concerns

Evening Programs - college planning:
- Guest speaker on college search process
- College search at Pinelands
- Back to School Night
- Program Planning
- Senior Awards Night

Career Center Programs:
Use of the Internet to access college, technical/vocational school and career information. SAT practice tests and interest inventory available.

Testing - State and District Testing Program
- HSPA
- PSAT - administration and registration
- SAT - administration and registration (4 times/year)
- ACT - registration
- ASVAB - registration and administration

PROGRAM PLANNING

On the following pages, students and parents will find recommended programs of study based upon three basic plans. Technical/Career/Vocational College Preparatory and Honors College Preparatory and Honors College Preparatory at each grade level. While these recommendations are helpful, please remember that students are able to individualize their program over four years to meet their unique needs, interests, goals and ability levels. Consultation with counselors is important to ensure that these individual areas are properly considered. All courses are subject to board and budget approvals.

The **Career Program** is suggested for those students who are seeking employment immediately upon graduation or who plan to attend vocational, business, trade, technical schools or a two year college. OCVTS may also be a part of this preparation. English, math, science and social studies courses should be chosen based upon ability levels, i.e., capable students are encouraged to take college prep or honors levels.

The **College Prep Program** is designed for the student who intends to go to a four year college or university. Preparation should span all disciplines so that a minimum of 16 college entrance (CEUs or Carnegie Units) are accumulated. A Carnegie unit or CEU is equal to a year's work in an academic subject. This should include four years of English, two years (minimum) of the same foreign language, three years of college preparatory math (Algebra I CP, Geometry CP and Algebra III, three years of social studies, 2-3 years of lab sciences and a sufficient number of approved academic electives.

The **Honors Program** is designed for the academically talented student who seeks a higher degree of challenge and depth in an academic area. Honors courses are weighted by a ratio of 1.2 to be commensurate with higher difficulty and greater amount of work. The same basic guidelines outlined under the College Preparatory heading also apply here.

Each institute of higher learning sets its own entrance standards, so specific guidelines are not always applicable. Students should familiarize themselves with the specific requirements of their chosen schools early enough in high school so that proper course selections can be made. This information is readily available in college catalogs and college reference books. In general, students aspiring to careers in math, science, engineering, medicine and technology should attempt to complete as may college preparatory and advanced courses in math, science, computers and technical studies as possible. If at any time during the program planning process, you as a parent/guardian, wish more specific or detailed information as to curriculum design and/or course content, i.e. specific readings, texts and materials, please feel free to contact the guidance office at extension 2207. To expedite this request you may contact the following subject area supervisors:

Discipline	Person Responsible	Extension
Art	Steve Fisher	2350
Athletics	Will Sundermann	2211
Business	Chuck Morgan	2261
CST/Special Ed	Ellen Ward	2434
Curriculum	Cheryl Stevenson	3283
Drama	Steve Fisher	2294
English	Gina Frasca	2221
World Language	Eric Pschorr	4465
Home Economics	Steve Fischer	2350
Math	Chuck Morgan	2434
Media Center	Steve Fischer	2260
Music	Steve Fischer	2294
Physical Education/Health	Chris Peters	2220

Science	Steve Fischer	2350
Social Studies	Gina Frasca	2221
Special Education	Ellen Ward	2292
Student Services/504 Officer, Affirmative Action Officer	Karen M. Kenny	2216

Most colleges and universities depend upon the following criteria for entrance:

a. overall high school record and class rank;
b. college entrance examination (SAT and/or ACT scores;
c. extra curricular activities;
d. letters of recommendation and/or personal interview;

Pinelands Regional High School is fully approved and certified by the NJ State Department of Education and by the Middle States Association of Colleges and Secondary Schools. Our graduates are successful in entering colleges of their choice providing they meet the following prerequisites:

a. successful completion of the aforementioned items;
b. academic achievement that is competitive with the pool applicants from other high schools
c. acceptable SAT scores;
d. necessary financial resources

The following are sample program plans for Grades 10-12 in each of the foregoing three areas:

GRADE 10		
GENERAL	**COLLEGE PREP**	**HONORS**
English 10	English 10	English 10
Geometry or Algebra I	Geometry	Algebra II
US History I	US History I	AP US I
Biology	Biology	Honors Chemistry
PE/Driver's Ed	PE/Driver's Ed	PE/Driver's Ed
	World Language	World Language
GRADE 11		
GENERAL	**COLLEGE PREP**	**HONORS**
English 11	English 11	English 11
US History II	US History II	AP US II
Algebra II or Geometry	Algebra II	Pre Calculus
PE/H 11	PE/Health 11	PE/Health 11
Environmental Science or Human Biology	Chemistry	Physics
	World Language	World Language

GRADE 12		
GENERAL	**COLLEGE PREP**	**HONORS**
English 12	English 12	AP English Literature & Composition
Consumer Math or Algebra II	Pre Calculus or Algebra III	Calculus or AP Calculus
	Physics	AP Bio or AP Chemistry or AP Physics*
		AP European History
		World Language

*All AP courses are subject to availability and enrollment. No students will be guaranteed two Science AP courses in their schedule.

CREDIT STRUCTURE AND GRADUATION REQUIRMENTS FOR HIGH SCHOOL STUDENTS BEGINNING WITH GRADE 9

According to the Pinelands Regional Board of Education policy on graduation requirements, students must satisfy subject area and total credit requirements as follows:

Graduation Requirements:

SUBJECT	GRADUATION CREDIT REQUIREMENTS
Language Arts Literacy (English)	20 credits
Social Studies	15 credits
Mathematics	15 credits
Science	15 credits
Health and Physical Ed.	20 credits
World Language	5 credits
Visual and Performing Arts - Art, Music, Theatre	5 credits
Career Education and Consumer Family & Life Skills - Practical Arts	5 credits
Keys to Financial Success (Beginning with Class of 2014)	**5 credits**

Other courses that a student needs to meet his/her own educational objectives are selected during a conference with the school counselor. Students **must** successfully pass the High School Proficiency Assessment (HSPA) for graduation. Students who score below the state minimum levels of proficiency receive assisted academic support instruction in the area(s) requiring remediation. Classified students who do not take the HSPA must complete the APA (Alternate Proficiency Assessment).

Students must complete all graduation requirements prior to participating in the graduation ceremony. The minimum credit totals necessary for yearly promotion depend on the accumulation of credits as follows:

To become Sophomore - 27.5 credits
To become a Junior – 55 credits
To become a Senior – 85 credits
TOTAL CREDITS FOR GRADUATION-120 CREDITS

Visual and Performing Arts Electives
Adv. Ceramics
Adv. Chorus
Adv. Drama
Adv. Drawing
Adv. Painting
Band
Basic Ceramics
Basic Drawing
Basic Painting
Chansons
Concert Choir
Drama
Music Theory/Appreciation
Piano/Keyboarding
Sculpture
Set Design
Visual Design

Career Education and Consumer, Family & Life Skills Electives
Accounting
Adv. Accounting
Adv. Drama
Adv. Microsoft Office
Adv. Video Productions
Applied Technology
Auto Tech I – III
Child Care I-III
Computer Science I & II
Constr. Tech I – III
Culinary Arts I
Graphic Design 1 & II
International Business
Intro to Child Care
Intro to Culinary Art
Keys to Financial Success
Microsoft Office
Sports & Entert. Marketing
Video Productions
Vis Tech I-III

Student Acceleration

Students may accelerate their program after meeting pre-established criteria and testing procedures. Parental approval is necessary. Completion and grades for these courses will be noted on the official transcript. By state law, no course taken in the middle school can be awarded high school credit. Application for early graduation must be made by March 1st of the preceding year to the Director of Student Personnel Services through the student's Alpha counselor.

Early Graduation

For the academically talented student who wishes to begin college a year early, there is an early graduation program in which a student may graduate after three years. Requests for early graduation shall be proposed by the individual student through a formal application by letter to the school Principal. The decision for approval of early graduation may only be granted by the Principal in consultation with the counselor and appropriate staff. Students must apply for this program in March of their sophomore (10th grade) year. The student should see their Alpha counselor for details of the application process.

Project Acceleration

Pinelands Regional has agreed with Seton Hall University to participate in its widely acclaimed Project Acceleration. Through this program, students are able to earn college credits from Seton Hall University in Calculus, AP US I, US II and AP Physics. Tuition is required. For additional information, please see your counselor.

Athletic Eligibility

Athletic Eligibility is determined on a semester basis:

- Fall Semester - successful completion of 27.5 credits at the conclusion of the previous school year
- Spring Semester - have a passing average or grade in the equivalent of 13.75 credits

Pass/Fail

Seniors may choose one course to be graded on a pass/fail basis. This course must been an elective that is not needed among the 120 required for graduation. (Most students graduate with total credits in excess of the required 120). The purpose of this option is to encourage students to enroll in rigorous, challenging courses without the fear of a negative impact on the student gpa./class rank. If the course is chosen to be taken on a pass/fail basis, a passing grade is not calculated in the student's gpa. A failing grade does effect the student's gpa since it is an additional five credits attempted and credits are awarded for passing the designated pass/fail course. The deadline for pass/fail is October 31st. AP classes cannot be taken as a pass/fail.

School Based Youth Program

The state funded program functions as an adjunct to the regular school program. SBYP provides recreational and medical services as well as family, individual and family planning counseling services. Referrals can be made through the district's student services office at extension 2207(HS) or 4410(JHS) or directly to the school based offices at 296-3106 x 2240.

MARKING SYSTEM

The following range of grades has been approved by the Board of Education. Students have letter grades which have numerical equivalents as follows:

A+ - 4.5	98 - 100	I	In Progress
A – 4.0	93 - 97	P	Pass (Special exceptions)
B+ - 3.5	90 - 92	WF	Withdraw Failing – **Deadline end of 2nd mp**
B – 3.-0	85 - 89	WP	Withdraw Passing*- **Deadline end of 2nd mp**
C+ - 2.5	82 - 84	M	Medical Exemption from PE
C – 2.0	77 - 81	NC	No credits awarded due to attendance policy
D - 1	70 -76		violation
F- 0	69 -		

MP 1	MP2	MT	MP3	MP4	FE	FG
20%	20%	10%	20%	20%	10%	100%

GRADE REPORTING

Student proficiency is measured by report card grades issued four times a year and progress reports issued midway through between marking periods. Additional student progress updates are available at any time during the school year. Parents should contact their child's counselor for such updates.

CLASS RANK

Class rank is determined by grade point averages based upon all subjects taken in grades 9-12. All students are ranked at the end of the school year and at the middle of the senior year. Honors and Advanced Placement courses are weighted by an index of 1.2

OCEAN COUNTY VOCATIONAL TECHNICAL OFFERINGS

During 10th grade a vocational assembly is held for students who might be interested in pursuing a vocational career. Students apply in January of 10th grade for admittance in September of their junior year.

Listed on the next page are the programs that Ocean County Vo Tech offers. Interested students should see their guidance counselor.

OCVTS COURSE LOCATOR GUIDE

BRICK CENTER

Architectural/Engineering Design (Tech Prep)
Automotive Technology (Tech Prep)
Building Construction Technology
Child Care Professions (Tech Prep)
Cosmetology (Tech Prep)
Culinary Arts (Tech Prep)
Baking • Cooking • Restaurant Management • Bakery Fundamentals
Fashion Merchandising/Design (Tech Prep)
Design and Visual Communications (Tech Prep)
Multimedia • Photography • Digital Reproduction
Heating, Ventilation, Air Conditioning and Refrigeration (HVAC-R)

JACKSON CENTER

Introduction to Agriculture, Food and Natural Resources
Automotive and Diesel Engine Technology
Automotive Technology (Tech Prep)
Collision Repair
Cosmetology (Tech Prep)
Custom Cabinetmaking
Electrical Trades
Motorsports Technology

MATES

Marine and Environmental Science
Marine Academy of Technology and Environmental Science (MATES)

LAKEHURST CENTER

Audio for Electronic Media (Tech Prep)
Aviation Aerospace Technology (Tech Prep)
Culinary Arts (After High School) (Tech Prep)
Performing Arts Academy (PAA)

TOMS RIVER CENTER

Cosmetology (Tech Prep)
Dental Assisting
Electrical Trades/Integrated Cabling
Health and Fitness Technology (Tech Prep)
Information Technology Careers
A+ Certification • Computer Science (Tech Prep)
Computer Service Repair
Marine Trades
Medical Assistant (Tech Prep)
Medical Skills and Related Health Careers
Practical Nursing
Welding

WARETOWN CENTER

Automotive Technology (Tech Prep)
Law and Public Safety (Tech Prep)**
Plumbing

**Off-site campus located at Ocean County Fire and First Aid Training Center, Waretown

Mission Statement

The mission of the Ocean County Vocational Technical School system is to prepare students for job placement or further education leading to successful employment. We develop partnerships with affiliated schools, parents, business, industry and community agencies to create and deliver opportunities for students to participate in quality occupational programs and support services. These programs and services are designed to meet the needs of high school students and adult learners, as well as the requirements of employers, colleges, technical schools and the community. All students will achieve the New Jersey Core Curriculum Content Standards at all grade levels. Our most important products are our quality graduates and our most important service is to provide them with skills for a lifetime. We measure our success by: enrollment in our programs; student attainment of marketable occupational skills; graduates capable and desirous of life-long learning; employer and graduate satisfaction; cost effectiveness of our total system; achievement of our graduates; and organizational and individual recognition and awards received.

It is the policy of the Board of Education of Ocean County Vocational Technical School not to discriminate in its technical programs, vocational opportunities, activities, employment practices or admission policies and practices on the basis of race, color, creed, religion, sex, ancestry, national origin, affectional and sexual orientation, disability or social or economic status. Lack of English language skills will not be a deterrent to admission to any program at the Ocean County Vocational Technical School.
Inquiries regarding affirmative action, discrimination (including Federal Title IX requirements), sexual harassment or equity should be directed to:
Nancy Weber-Loeffert, Title IX/Affirmative Action Officer, 732.240.6414 (ext. 3332)
Thomas McInerney, Federal Section 504 Officer, 732.286.5665 (ext. 3412)
Kevin Dineen, Americans with Disabilities Act (ADA) Officer, 732.473.3100 (ext. 3123)

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ART

All classes are 5 credits

SUBJECT	GRADES
Basic Drawing	**10, 11, 12**
Advanced Drawing	**10, 11, 12**
Basic Ceramics	**10, 11, 12**
Advanced Ceramics	**10, 11, 12**
Basic Painting	**10,11, 12**
Advanced Painting	**11, 12**
Sculpture	**10, 11, 12**
Set Design	**10, 11, 12**
Visual Design	**11, 12**

BASIC DRAWING - GRADES 10 / 11 / 12

This course is designed as an introductory course in learning how to draw. Emphasis will be placed upon the basic elements of drawing. Exploration and experimentation in various media, techniques and styles of drawing will be included.

ADVANCED DRAWING - GRADES 10 / 11 / 12

Prerequisite: Successful completion of Basic Drawing with a C+ or better

This course provides an advanced approach for students with a serious interest in art. In addition to refining skills, emphasis will be placed upon the development of individual styles and techniques. Studio experience will include a variety of drawing media.

BASIC CERAMICS - GRADES 10 / 11 / 12

This course serves as an introduction to the art and design of handmade pottery. Students will develop basic hand building skills and experiment with various techniques in clay to create both functional and decorative ceramic pieces. Students will also learn the basic skills necessary to begin work on the potter's wheel. Emphasis will be placed on a high degree of creativity and craftsmanship.

ADVANCED CERAMICS- GRADES: 10 / 11 / 12

Prerequisite: Basic Ceramics with a C+ or better

This course will emphasize individual work and will further develop skills acquired in Basic Ceramics. Strong consideration will be placed on design ability, enhancing clay techniques experimentation, career orientation and creativity of original designs.

BASIC PAINTING - GRADES 10 / 11 / 12

Prerequisite: Basic Drawing with a C+ or better

This course is designed as an introductory course in learning how to paint. Emphasis will be placed on the basic elements of painting. Exploration and experimentation in a variety of painting media will be included. Students will be encouraged to develop and refine their drawing and painting skills.

ADVANCED PAINTING - GRADES 11 / 12

Prerequisite: Basic Drawing and Basic Painting with a C+ or better

This course provides an advanced approach to painting. It is recommended for students with a serious interest in art. Emphasis will be placed on the development of individual styles and techniques. Studio experience will include work in tempera, watercolor, gouache, acrylics, and oils.

SCULPTURE - GRADES 10 / 11 / 12

Prerequisite - Basic Drawing **OR** Basic Ceramics with a C+ or better

This course is designed for the student who is interested in learning about three-dimensional form. Students will design, plan and create sculptures using a variety of techniques and materials. The concepts of form, space, texture, color and shape will be covered. Emphasis will be placed on casting, sculpting, carving, relief, found object, and conceptual constructions.

SET DESIGN - 10/11/12

This course is designed to teach students how to create a set design for a theatrical production. The set will be designed in 2 dimensional forms and transferred to 3 dimensional forms. Students will have hands on experience learning the construction of and building a theatrical set.

VISUAL DESIGN - GRADES 11 / 12

Prerequisite: Successful completion of Advanced Drawing with a C+ or better

This course is designed for the student who is considering entering the fields of Commercial Art and Advertising Design. Emphasis will be placed on the art elements and principles of design. The basics of good advertising design will be covered, including lettering, layout, logos, trademarks, illustration, etc.

BUSINESS

All classes are 5 credits

SUBJECT	GRADES
Accounting (CP)	10 / 11 / 12
Advanced Accounting (CP)	11 / 12
Keys to Financial Success	10/11/12
Microsoft Office	10 / 11 / 12
Advanced Microsoft Office	11 / 12
International Business	10/11/12
Sports & Entertainment Marketing	10/11/12

ACCOUNTING (CP) - GRADES 10 / 11 / 12

Prerequisite: Algebra I

This course takes you through the steps of the accounting cycle for both a service and merchandising business. You will learn how to analyze and record business transactions in various journals and to prepare and interpret financial statements for single proprietorships, partnerships and corporations. You will become familiar with the language of business and be introduced to career opportunities in accounting. Computers will be used extensively through the year.

ADVANCED ACCOUNTING (CP) - GRADES 11 / 12

Prerequisite: Accounting

Advanced Accounting reconfirms and reinforces basic principles, procedures, and terminology learned in first year accounting; it also provides the opportunity to apply that knowledge in greater depth. You will be able to understand both the basic and advanced principles and procedures that are applied to accounting records kept for profit-oriented businesses; use common techniques to analyze and interpret financial statements; and describe the differences in accounting for the three types of business organizations; sole proprietorships, partnerships and corporations.

KEYS TO FINANCIAL SUCCESS – 10/11/12

Do you want to be a Millionaire? Keys to Financial Success may be able to help you! This class is designed to help students learn the knowledge, skills, and processes required to make sound financial decisions and manage their own personal finances. This is an interactive class that will help students become wise and knowledgeable consumers, savers, investors, money managers and members of a global workforce.

MICROSOFT OFFICE – GRADE 10//11/12

This course allows the learner to gain an understanding in the basic concepts of computer applications, using Microsoft Office 2007. Students will develop computer skills for personal, college, or business use. Students will gain an understanding of Word Processing, Spreadsheets, Presentations, and Database applications.

ADVANCED MICROSOFT OFFICE WORD - 11/12

Prerequisite – Microsoft Office

This course allows the learner to gain knowledge of advanced concepts of Microsoft Office 2007. Students will learn to share and integrate data between the various Microsoft Office 2007 applications. Students will work on advanced utilities in Microsoft Word and practice importing and exporting data between applications, as well as working with hyperlinks and advanced applications of Microsoft office.

INTERNATIONAL BUSINESS – 10/11/12

This course provides students with a global perspective of business and will open their eyes concerning globalization's impact on day to day living and personal finance. Cultural customs and traditions, trade, currency, business travel, geography, current events, international marketing, global issues, and career opportunities will be major topics of discussion. This course will prepare the students work and live in the expanding world of international business.

SPORTS & ENTERTAINMENT MARKETING– GRADES 10/11/12

YOU MUST LOVE SPORTS

This is an introductory course which will introduce students to marketing concepts and theories that apply to sports and entertainment events. The students will gain a thorough understanding of basic marketing, target marketing and segments, sponsorship, event marketing, promotions, advertisements, sponsorship proposals, and sports marketing plans. Students will learn to identify and understand the components of the marketing mix as it relates to sports and entertainment, assess the fan's role as a spectator and consumer and assess the role of corporate partners (sponsors) in sports marketing and entertainment. Students will also learn the importance and elements used in developing a sponsorship proposal to attract non-sports businesses to sporting events.

DRAMA

DRAMA I - GRADES 10 / 11 / 12

Explores the fundamentals of acting, play writing, and theatre history. Students begin on-going development of voice and body movement, script analysis and development of characterization. Students also study selections of classic and contemporary theatre literature in depth, take trips to live theatre performances and work with visiting artists.

ADVANCED DRAMA - GRADES 10/11/12

Prerequisite: Drama 1

Continues the on-going development of physical and mental acting skills, along with work in theatre production, stage design, play writing, directing, stage management, and theatre promotion. Students have the opportunity to perform in major productions and in plays and assemblies for school and community. Scene study for actors concentrates on cuttings from the great classics of theatre literature, as well as on new scripts. Seniors develop repertoire for auditions and career exploration. Students take trips to live theatre performances and work with visiting artists.

ENGLISH

All English classes unless otherwise noted are 5 credits

SUBJECT	GRADE
English 10	10
English 11	11
English 12	12
AP English Literature & Composition	12
Creative Writing CP **(2.5 credits)**	10 11 12
Formal Writing CP (**2.5 credits**)	10 11 12
Video Productions	11 12
Advanced Video Productions	11 12
Journalism 1 Journalism 2	10 11 12
Yearbook 1	10 11 12
Yearbook 2	10 11 12
ESL (English As A Second Language)	10 11 12
Language Arts (HSPA Prep)	10 11 12

A grade of C or better in the previous course of the same discipline is strongly recommended to remain in college prep (CP) level placement. Students choosing honors level courses must meet honors criteria.

All HIGH SCHOOL ENGLISH CLASSES REQUIRE SUMMER READING

ENGLISH 10

Prerequisite: Placement by New Jersey ASK Score and current grades

This course uses the skills of literary analysis developed in earlier courses in order to study major trends in American Literature from the Colonial period to the present. It also reviews the standards of formal language usage, sentence structure, and vocabulary as reflected in the writings of major American authors and playwrights. The student will improve compositional skills through creative and analytical writing assignments related to the literature studied and through independent student research. This course encourages the student to reflect on America's culture, and at the same time, promotes mastery of communication skills. A research paper is required.

ENGLISH 11

Prerequisite: Placement by New Jersey ASK Score and current grades

English 11 is an in-depth study of language arts – communication skills through a representative sampling of the best of the eras and genres of British Literature. Emphasis is placed on developing a sophisticated prose style. Grammar is studied and reinforced to enhance the students' sentence structure in their writing. Through the study of literature, this course will increase the students' understanding of various literary styles help to develop their ability to interpret relatively difficult literature, and explore techniques for literary analysis. Students will utilize current technology to research a variety of topics. Independent reading units are included, as well as class presentations. A research paper is required for the successful completion of this course.

ENGLISH 12

This course is designed to offer students the opportunity to work closely with texts they would not normally encounter in a traditional literature course. Through the study of unit topics such as "Popular Literature", "The Poetry of Lyrics", "The Graphic Novel", "The Hero's Journey in Literature and Film", "Banned Books" and "Propaganda in Literature and Mass Media", the students will read, synthesize, analyze and express their opinions of these pieces through both verbal and written expression. While working within each unit topic, the students will examine through various means the role of popular culture in shaping each of these genres. Furthermore, the students will write a research paper in which they delve deeper into one of the unit topics and its relation to society at large, while observing the rules of Standard English Grammar and MLA Style for research writing.

HONORS ENGLISH 12: AP ENGLISH LITERATURE AND COMPOSITION

Prerequisite: Placement by NJ HSPA Score, teacher recommendation, and current grades

This course is designed to prepare students for success when taking the College Board's Advanced Placement English Literature and Composition Exam. Using the method for close reading, the course will examine various literary techniques present in both poetry and prose, while allowing students the opportunity to grapple with different themes related to the growth in responsibility accompanied with the aging process. Furthermore, the course readings will provide students with an in depth study of citizenship in an ever changing society as they prepare to enter the adult world. In conjunction with the diversified reading list, the course will challenge students to master different styles of written expression. Coupled with the study of grammar and vocabulary, students will be expected to enhance their awareness of literary technique, rhetoric and syntax present in their own written pieces.

ENGLISH ELECTIVES

CONTEMPORARY LITERATURE AND SOCIAL ISSUES – GRADES 11/12

CREDITS – 2.5

Prerequisite – Teacher Recommendation

This course is designed to explore controversial socio-political issues through the examination of contemporary literature. Students will use a seminar approach to discuss aspects of the works read, use a journal/portfolio approach to writing and use technology to research the issues addressed. Literary styles will be examined as to their appropriateness regarding topics examined. A love of reading is a must for this one semester course in which four novels will be read.

CREATIVE WRITING (CP) - GRADES 10/ 11/ 12

CREDITS: 2.5

This College Preparatory elective semester course, offered to students in grades 10-12, provides the opportunity to explore forms of creative writing: manuscripts, plays, essays, poetry, short stories, editorials, and commercials. Some or all of the above will be covered depending upon the interest and ability of the students in the class.

FORMAL WRITING (CP) - GRADES l0 / ll / 12

CREDITS: 2.5

This College Preparatory elective semester course is offered to students in grades 10-12. Students will address commonplace writing challenges needed for everyday survival in the outside world. Such assignments should include: letters of apology, requesting a donation, asking for an interview, accepting a job, declining a job, resigning from a job, bereavement, etc. Students will also write a college essay, create a resume and write a college essay, create a resume and write an editorial.

VIDEO PRODUCTIONS - GRADES 11 / 12

This course is an elective, utilizing a workshop format wherein students will learn to identify, utilize and direct actual video equipment and video procedures for in house video productions. Scripting, floor plans, lighting, television formats and video language are areas, which will be covered. Students will achieve a working knowledge of 230 plus terms and equipment, which will enable them to work in any television studio. Hands-on experience with a live video production will be the featured mode of learning.

ADVANCED VIDEO PRODUCTIONS- GRADES 11/12

This course is an elective whereby students will be responsible for a weekly news show to be aired on Channel 21, our local high school access channel. Students will be reporting news, assigning videographers to cover stories, interviewing, and operating all the necessary equipment to complete this task. Students will produce, edit and direct this and many other video presentations for the district. Operation of a video switcher, audio mixer, digital cameras, editing decks, and the Casablanca editing system will be achieved during this course.

JOURNALISM I - GRADES 10/11/12

This class provides an ideal environment to develop writing skills and provides an opportunity to examine the modern arts of graphics and layout, including desktop publishing. Students will gain experience in gathering the news, writing news stories, feature stories, and sports stories. In addition, students will publish the high school newspaper, "The Scratching Post".

JOURNALISM II/ADVANCED JOURNALISM

Prerequisite – JOURNALISM I

This course is designed for those who have successfully completed Journalism I and who plan on seeking editorial positions. These students will be in charge of designing, proofreading and selecting articles for each issue. Furthermore, these students aid the teacher in advising the class and working outside of class in order to successfully prepare the paper for print and distribution. These students will develop leadership, organizational and computer skills.

ESL PROGRAM

The English as a Second Language Program (ESL) is one in which the limited English student receives at least one period a day of ESL instruction. The instruction is divided into three levels: Basic, Intermediate, and Advanced. During all other times the student attends to the normal school routine. The purpose of the ESL program is to provide English instruction, including academic language skills, in order to prepare students to function successfully in their classes. The course allows for flexibility in instruction providing students the opportunity to learn according to their preferred styles and proficiency levels. Emphasis is placed upon the total development of the student, which includes the social, the emotional and the cognitive areas. Lessons are planned to appeal to both the affective and cognitive domains and are related to the pupil's own experience. Five areas of language are recognized as basic: listening, speaking, reading, writing, and viewing. Students are instructed in areas of need. In addition, various aspects of the American culture are introduced.

LANGUAGE ARTS HSPA PREP
GRADES 10, 11, 12

Preparing for the HSPA helps reinforce academic and test taking skills needed for success on the NJ High School Proficiency Assessment. This course is correlated to the NJ Core Curriculum Content Standards for Language Arts.

Literacy and is based on the premise that a student masters a skill by learning the thought process that underlies it. This course will include a pretest, posttest, and accompanying lessons that address the NJ Language Arts Literacy content clusters. The goal of the program is to improve student performance on the HSPA. Multiple criteria will be used to determine which students will benefit from this course.

YEARBOOK I & II
GRADES 10, 11, 12

The yearbook class is instrumental in training students to assist in the production of the yearbook by learning the skills necessary including theme development, page design, headline and caption writing, effective use of digital imaging, and financial management (including ad sales and fund raising). Those students who apply for selection of the yearbook class will need to submit a writing sample, prepare a design project, and participate in an interview. Also considered in the selection process will be creativity, the ability to work independently, computer skills and teacher recommendations.

FAMILY AND CONSUMER SCIENCE

SUBJECT	GRADE
Intro to Culinary Arts	10 11 12
Culinary Arts I	10 11 12
Culinary Arts II	11 12
Culinary Arts III	12
Intro to Child Care	10 11 12
Child Care I	11 12
Child Care II (10 credits)	11 12
Child Care III (10 credits)	12

INTRODUCTION TO CULINARY ARTS - 10 / 11 / 12

Do you have an interest in food preparation? This course will introduce you to many of the skills and cooking methods needed in the kitchen. Nutrition and the basic food groups will be stressed. You will also have the chance to explore careers related to the food industry. This course can serve as an exploratory course or as the initial level course in the culinary arts program for the career minded student.

CULINARY ARTS I -GRADES 10/11/12

Prerequisite: Intro to Food Preparation

This course will reinforce and refine your food preparation skills. Each student will be introduced to basic cake decorating, holiday baking and garnishing techniques. Career exploration will continue in the food preparation, service and management area.

CULINARY ARTS II- 11 / 12

Prerequisite: Culinary Arts I

This course will emphasize different types of food service careers. Quality food preparation and service will be stressed. Students will take part in planning their work.

CULINARY ARTS III - GRADE 12

Prerequisite: Culinary Arts II

Students in this phase of the culinary program should begin to plan, prepare and assume managerial roles within the realm of commercial foods preparation and service. The goal is for the student to create and run their own business.

INTRO TO CHILD CARE - GRADES 10 /11/12

Prerequisite - CITIZENSHIP, LEADERSHIP, SCHOOL RECORD, ADMINISTRATIVE APPROVAL- NO PRIOR DISCIPLINARY HISTORY

This course is designed for high school students interested in a career in the area of child care or for those interested in gaining knowledge for their personal use as perspective parents. The emphasis of the course is to give students background in basic child development and child psychology. This is the first level of the Child Care Career Education program. Students wanting to enroll in the program must take this course. This class will require you to work with young children.

CHILD CARE I - GRADES 10 / 11 / 12

Prerequisite: INTRO TO CHILD CARE OR TEACHER APPROVAL- CITIZENSHIP, LEADERSHIP, SCHOOL RECORD, ADMINISTRATIVE APPROVAL, NO PRIOR DISCIPLINARY HISTORY

The focus of this course is to introduce the students to the general teaching and learning strategies that they will utilize in the operation of the Rainbow Express. The students will also be exposed to various managerial techniques to help them in the writing of their lesson plans and models.

CHILD CARE II - GRADES 11 / 12

CREDITS: 10

Prerequisite: CHILD CARE I OR TEACHER APPROVAL - CITIZENSHIP, LEADERSHIP, SCHOOL RECORD, ADMINISTRATIVE APPROVAL, NO PRIOR DISCIPLINARY HISTORY

Using the information and skills the student has acquired from the two previous courses, they will assist in the operation of the Rainbow Express while continuing to expand their education background. The students work four days in the pre-school and one day in the classroom. Classroom topics will include scheduling, registration, time tables, snack schedules, newsletter, and file updates.

CHILD CARE III - GRADES 11 / 12

CREDITS: 10

Prerequisite: CHILD CARE II OR TEACHER APPROVAL, CITIZENSHIP, LEADERSHIP, SCHOOL RECORD, ADMINISTRATIVE APPROVAL, NO PRIOR DISCIPLINARY HISTORY

This course is culmination of our child care program. The student will be directly responsible for the operation of the Rainbow Express - a child care pre-school for 3, 4 and 5 year olds. Upon completion of this course, the student will have a resume started for a career in Child Care.

MATHEMATICS
ALL CLASSES ARE 5 CREDITS

SUBJECT	GRADE
Algebra I	10, 11, 12
Algebra I CP	10, 11, 12
Geometry	10, 11, 12
Geometry CP	10, 11, 12
Algebra II	11, 12
Algebra II CP	10, 11, 12
Algebra II H	10, 11, 12
Algebra III CP (Advanced Topics & Trig)	11, 12
Pre Calculus CP	10, 11, 12
Pre Calculus Honors	10, 11, 12
Calculus CP	11, 12
Calculus, Advanced Placement-Year 1	11
Calculus, Advanced Placement-Year 2	12
Consumer Math	12
Computer Science I (HTML & Java)	10, 11, 12
Computer Science II (Programming Java)	11, 12
HSPA Preparation in Mathematics	11, 12
Math Lab	10

Notes:

1. Algebra III is not offered to students who have completed Pre-Calculus.
2. Computer Science I and II are math electives.
3. Achievement of a grade of C+ or better in your previous college prep course should be a major consideration in deciding whether or not to continue on in the college prep math program.
4. Students choosing *Honors* level courses must meet all honors level criteria.

Mathematics Programs at
Pinelands Regional High School

At the high school, there are three levels of mathematics instruction: *General, College Prep, and Honors*. Students entering our general course-of-study have completed either general Algebra I or Pre-Algebra in the 9th grade and begin their high school program with either general level Geometry or Algebra I.

Students entering the high school at the *College Prep* level, have completed a 9th grade college prep Algebra I course and enter 10th grade college prep Geometry. The CP curriculum includes course work in Geometry, Algebra II, and Pre-Calculus. Students may opt for a math elective or Algebra III in place of 12th grade Pre-Calculus.

The *Honors* course of study begins with an intensive Algebra II curriculum. Students enter the high school *Honors* program after having successfully completed 9th grade *Honors Geometry*. The *Honors* curricula include course work in Algebra, Pre-Calculus, and Calculus.

The High School Proficiency Assessment (HSPA), first given in the junior year, has become an increasingly more important determinant of high school graduation. In several years, students who fail to perform at a "proficient" level on this assessment *will not graduate* high school as mandated by the New Jersey Department of Education. Moreover, by law {NJ 6A:8-4.3(c)}, students who do not pass the Grade Eight Proficiency Assessment (NJ ASK 8), a test that is used as an early warning of difficulty in mathematics, are required to receive supplemental instruction at their high schools. At Pinelands, this mandated supplemental instruction is given to students who performed poorly on their 8th grade NJ ASK 8 during a year-long test preparation course, *HSPA Prep in Mathematics*. Parents cannot waive students out of the HSPA Prep program.

General Level Mathematics Program

ALGEBRA I (5 Credits)

Prerequisite: *Pre-Algebra*

The *Algebra I* curriculum includes topics that focus on basic problem solving; tasks utilize a variety of algebraic manipulations including factoring, powers, roots, polynomials, and fractional expressions. Students solve quadratic and linear equations. The elements of graphing and analysis are introduced. Problem solving strategies useful in real life and high school science are emphasized.

GEOMETRY (5 Credits)

Prerequisite: *Algebra I*

This course is designed to teach deductive reasoning and thinking skills. Emphasis is placed on mathematical statements and the use of postulates, definitions, and theorems. Topics covered include congruence, similarity, parallelism, perpendicularity, area, volume, and construction. Geometry emphasizes the logical application of rules to solve problems. Real life examples are used to show the relevance of course content. The course is essential for the preparation of students for the High School Proficiency Assessment (HSPA).

ALGEBRA II (5 Credits)

Prerequisite: *Algebra I* and *Geometry*

This course continues to prepare students for the High School Proficiency Assessment and focuses on a survey of intermediate level algebra topics including reviews of basic algebra, linear equations, systems of linear equations and inequalities, matrices, determinants, quadratics, functions and exponents. HSPA clusters covered include numerical operations, measurement, data analysis, probability and statistics and additional topics in algebra and geometry.

CONSUMER MATH (5 Credits)

Open only to 12th graders.

This course is a comprehensive program focusing on consumer applications of mathematics. Students will learn to calculate earnings and explore personal finance; topics include banking, budgeting, credit plans, retain credit, amortization, insurance, investments and income tax. *Consumer Math* is a real life mathematics course designed to make students confident and comfortable when dealing with everyday money matters.

HSPA PREP in MATHEMATICS (5 Credits)

Prerequisite: Required of all students scoring "not proficient" on the Grade Eight Proficiency Assessment (NJ ASK 8) in mathematics.

This course is a comprehensive review of those basic skills in mathematics that are necessary to adequately prepare students to pass the High School Proficiency Assessment. Proficiency on the HSPA will shortly be a requirement for graduation. Course content includes extensive review of the four math areas found on the HSPA: 1) number sense, concepts, and applications; 2) spatial sense and geometry; 3) data analysis, probability, statistics, and discrete mathematics; and 4) patterns, functions, and algebra. Note: Any student who did not earn a "proficient" level on the math section of the 8th grade NJ ASK 8 regardless of their level of instruction—general, college prep, or honors—is required by law to take this course {Refer to NJ 6A:8-4.3(c)}. Parents cannot waive students out of this course.

MATH LAB (5 Credits)

Prerequisite: Recommendation of math faculty.

This course is designed to assist students in better learning the fundamentals of general-level high school mathematics. This is a full-year course and focuses on the elements of algebra and geometry. Additionally, students are given substantial opportunities to hone their test-taking skills in preparation for the 11th grade HSPA.

College Prep Courses of Study

ALGEBRA I CP

Prerequisite: *Pre-Algebra*

This course provides a means for students who have not passed *Algebra I CP* at the junior high school to take it again in 10th grade; moreover, students who do exceptionally well in the general level pre-algebra course offered in the 9th grade use this class as a means to move up to the college prep program. Students solve word problems utilizing a variety of algebraic manipulations, including factoring, powers and roots, polynomials, and fractional expressions. Quadratic and linear equations are solved and graphed. *Algebra I, CP* is paced for the college-bound student. Expect nightly homework, frequent tests and quizzes, and high expectations.

GEOMETRY, CP (5 Credits)

Prerequisite: Successful completion of *Algebra I, CP* with a grade of C or better.

This course is designed for college prep students to prepare them for the college setting. Geometry emphasizes the logical application of roles to solve problems. It is a demanding course that requires strong note-taking skills, nightly study, completion of daily homework assignments, and successful performance on frequent tests and quizzes. Emphasis is placed on the language of geometry, various reasoning's, proofs, parallel and perpendicular lines, congruent triangles, deductive and inductive reasoning, thinking skills, proving different properties with quadrilaterals, area, volume and constructions. Other topics to be discussed will include similarity, right triangle trigonometric functions, surface area and volume, transformations, and circles. This course is essential for the preparation of students for the High School Proficiency Assessment (HSPA).

ALGEBRA II, CP (5 Credits)

Prerequisite: Successful completion of *Geometry CP* with a grade of C or better.

This course in intermediate algebra is designed to extend the concepts mastered in college prep *Algebra I* and continues to prepare students for the High School Proficiency Assessment. Topics include reviews of basic algebra, linear equations, systems of linear equations and inequalities, matrices, determinants, quadratics functions and factoring functions, and exponents. *Algebra II CP* is designed to expand the perception of mathematics as a unified body of knowledge, develop the study of functions and encourage analytic development.

PRE-CALCULUS, CP (5 Credits)

Prerequisite: Successful completion of *Algebra II, CP* with a grade of C+ or better.
This course is designed to prepare CP students for an initial calculus course. The *Pre-Calculus, CP* curriculum focuses on analytic geometry and functions, and the relations between them. The concepts of limit and derivative are introduced. The course will poise CP students for a first course in calculus. The course is paced for college prep students.

CALCULUS CP (5 Credits)

Prerequisite: Successful completion of Pre-Calculus Honors/CP
This course is designed for college prep students who have successfully completed *Pre-Calculus*. The course of study focuses on the classical topics of calculus including limits, slopes of curves, differentiation and integration. The course is paced for college prep students.

ALGEBRA III CP (5 Credits)

Prerequisite: Successful completion of *Algebra II CP*
This course is designed for those college prep students who passed college prep *Algebra II*, but do not wish to attempt the rigors of a pre-calculus curriculum. The *Algebra III* curriculum covers advanced topics in algebra and trigonometry and includes rational equations and functions, quadratic relations, trigonometric graphs, identities and equations.

Honors Courses of Study

ALGEBRA II, HONORS (5 Credits)

Prerequisite: An average grade of B during the first three marking periods of *Geometry Honors* and teacher recommendation.
Intermediate algebra is designed to extend the concepts mastered in *Algebra I Honors*. Analytical and inferential skills are refined. Time is spent developing linear equations. Methods of solving systems of equations, inequalities, matrices, determinants, and quadratic equations. Powers and radicals are also explored. This is a fast paced and rigorous course requiring nightly study, preparation for frequent tests and solid note-taking skills.

PRE-CALCULUS HONORS(5 Credits)

Prerequisite: An average grade of B during the first three marking periods of A*lgebra II Honors* and teacher recommendation.
This course is designed to prepare honors students for an initial calculus course. The curriculum focuses on topics in analytic geometry and functions, and the relations between them. The concepts of limit and derivative are introduced. This course will poise students to do well in calculus.

CALCULUS, ADVANCED PLACEMENT (YEAR 1)(5 Credits)

Prerequisite: Successful completion of *Honors Pre-Calculus* with a grade of B or better, and teacher recommendation. The first year of AP Calculus will provide a thorough study of single variable calculus and is intended to thoroughly prepare the student for the Calculus AB exam. The course will focus on the concepts of derivatives and its applications from an algebraic, numerical and graphical approach. Slopes of curves, differential equations and a thorough study of definite and indefinite integrals will also be covered.

CALCULUS, ADVANCED PLACEMENT (YEAR 2) 5 credits

Prerequisite: Successful completion of Calculus,AP Year 1 with a grade of B or better, and teacher recommendation. The second year of AP Calculus will prepare the student s for the Calculus BC exam. Advanced topics that will be covered include additional applications of integration, improper integrals and advanced techniques of integration. The students will also have a thorough study of infinite series, Taylor series and the MacLaurin series. The course will conclude with a comprehensive treatment of differential equations, polar coordinates and vectors, curves and motion in three dimensions. If time permits, functions of several variables and partial derivatives will also be included.

MATHEMATICS ELECTIVES

COMPUTER SCIENCE I – INTRO TO WEB DESIGN
(5 credits)

This course is a hands-on experience promoting rapid learning and skill development. Upon completion, students will have the necessary skills to create their own basic web sites. Students will gain an in-depth knowledge of HTML 4.01, HTML 5, XHTML 1.0, CSS 2.1, and JavaScript. Topics covered include text, images, links, online forms, styled page layouts, event handlers, loops, and arrays. The class will include a brief introduction to Java applets as well.

COMPUTER SCIENCE II – INTRO TO PROGRAMMING WITH MISCROSOFT VISUAL BASIC
5 credits

Students will be introduced to computer programming with object-oriented principles. They will use Visual BASIC to create Windows applications. The course will guide them through a systematic approach, including design, coding, debugging, and testing. It will also help build students' problem solving and logic reasoning skills. Upon completion, students will have the necessary programming background to begin to understand more advanced programming languages.

MUSIC

SUBJECT	GRADE	CREDITS
Band	**10 11 12**	**5**
Concert Choir	**10 11 12**	**5**
Music Theory	**10 11 12**	**2.5**
Music Appreciation	**10 11 12**	**2.5**
Piano/Keyboard I	**10 11 12**	**2.5**
Piano/Keyboard II	**10 11 12**	**2.5**
Advanced Chorus	**10 11 12**	**5**
Chansons	**10 11 12**	**5**
Piano/Keyboarding III & IV	**10 11 12**	**5**

BAND - GRADES 10 / 11 / 12

Prerequisite – previous playing experience

This course is designed for the students to continue their instrumental instruction from the Junior High. The school year will be spent in Concert Band with special groups such as Jazz Band, Pit Orchestra, Pep Band, etc.to be selected by the student. Band members are expected to participate in several concerts each year.

CONCERT CHOIR - GRADES 10 / 11 / 12

NO PREVIOUS EXPERIENCE REQUIRED

This course is designed for students who enjoy singing and wish to develop their vocal potential as a member of a choral ensemble. Emphasis will be placed on vocal production, music literacy, and the development of poise and self-confidence while performing. Music in a variety of styles will be learned and performed. Students are required to perform in several concerns each year.

ADVANCED CHOIR- GRADES 10/11/12

Prerequisite - Previous choral experience or teacher recommendation

This course is the ongoing development for students who enjoy singing and wish to develop their vocal potential at an advanced level. Students should possess a basic knowledge of music notation, sight reading and choral procedures. While students will review basic choir singing technique and musicianship skills, students are expected to work at an advanced level. Students in this choir are required to participate in several concerts each year.

CHANSONS – GRADES 10/11/12

Prerequisite – Previous choral experience or teacher recommendation

Chansons are a select women's choir for advanced, serious minded vocal students. Prior ensemble experience and teacher recommendation is required. Vocal music will be studied on a more in-depth level in an ensemble setting, with solo opportunities. Emphasis will be placed on acapella singing as well as more advanced music of various musical periods and nationalities.

MUSIC THEORY - GRADES 10 / 11 / 12

CREDITS: 2 .5

This course is designed for the serious music student. The course will emphasize the fundamentals of music theory, harmony, and composition. The ability to play a musical instrument or sing is necessary.

MUSIC APPRECIATION - GRADES 10 / 11 / 12

CREDITS: 2 .5

This class is designed for the student who is interested in a more in-depth study of music. The class will listen to, analyze, and discuss music and composers of the classical, jazz, American roots, country, and rock styles of music.

PIANO/KEYBOARD I & II- GRADES 10/ 11 / 12

CREDITS -2.5 OR 5

This course is designed for the student who wishes to learn to play the piano/keyboard. The student will work at electronic pianos with built in speakers and headphones. Each student will work independently to learn music reading and key board technique. Piano repertory will be chosen according to the students abilities. Students are required to perform a mini recital at the conclusion of each semester during class. It is recommended that students complete Piano/Keyboard I and II in the same year.

PIANO/KEYBOARDING III & IV – GRADES 10/11/12

CREDITS: 2.5 or 5

Prerequisite – Successful passing of Piano/Keyboarding I & II or Teacher recommendation

This course is designed for students who have already passed Piano/Keyboard I & II, or who have studied privately and can show an advanced knowledge and skills on the piano. Each student works independently to increase knowledge and skills on the piano. Each student works independently to increase knowledge of music reading and keyboard techniques. Students are required to play a varied selection of piano pieces and students will perform a mini recital at the conclusion of each semester during class. IT is recommended that students complete Piano/Keyboard III & IV in the same year.

PE/HEALTH

SUBJECT	GRADE	CREDITS
Physical Ed 10	**10**	**2.5**
Physical Ed/Drivers Ed	**10**	**2.5**
Physical Ed 10 Lab	**10**	**2.0**
Physical Ed/Drivers Ed Lab	**10**	**2.0**
Physical Ed 11	**11**	**2.5**
Physical Ed/Health 11	**11**	**2.5**
Physical Ed/Lab 11	**11**	**2.0**
Physical Ed/Health Lab 11	**11**	**2.0**
Physical Ed 12	**12**	**2.5**
Physical Ed Health 12	**12**	**2.5**
Physical Ed 12 Lab	**12**	**2.0**
Physical Ed Health 12 lab	**12**	**2.0**
Intro to Athletic Training	**10 11 12**	**2.5**
First Aid & CPR	**10 11 12**	**2.5**

PHYSICAL EDUCATION - GRADES 10 / 11 / 12

CREDITS: 1.25, 1.0 for Lab Section

Physical coeducation represents a belief that the learner's individual needs are satisfied explicitly by way of purposeful participation in all forms of physical activity. In view of this belief in the optimum development of the individual in both mind and body, physical coeducation must examine its unique role in the total educational process and focus its energies in those identifiable areas. Through determination of developmental objectives based upon changing cultural needs and examination of horizontal relationships in other curricula, physical educational strengths are evident in the areas of personal fitness development, positive self-concept development and biomechanical analyses of movement. In relation to these learner needs, the physical education program established itself as a unique and effective medium for self-actualization and enhancement of the student. Thus, the intent of this course is to provide the student with a strong base in movement and fitness concepts on the secondary level. Areas of study include the

components of fitness, the examination of the relationship of exercise to good health and productiveness, weight control and biomechanical principles involved in movement, muscle activity, physiology, activity rules, strategies, terms, and equipment care. Safety procedures are emphasized during classroom instruction and participation.

DRIVER EDUCATION THEORY - HEALTH - GRADE 10

CREDITS - 1.25, l.0 for Lab Section

Automobile accidents are the leading cause of death among our young people. The intent of this course is to provide the student with comprehensive information on Driver Theory in hopes that the result will be safer driving practices among our student population. Areas of study include: information on obtaining a driver's permit, license and car insurance, traffic controls, basic automobile maneuvers, natural laws and vehicle control, handling of emergencies and driver attitude influences on performance. Rule revisions within the State of New Jersey will also be included in the curriculum as they occur.

Integral to this course on driving theory is the presentation of information on the effects of alcohol and other drugs on driving skills, as well as the specific laws, which address this concern. Strategies for peer-pressure management will be provided through class presentation. Emphasis will be on responsible decision-making in driving.

The course will conclude with the administering of the New Jersey State written Drivers examination. The State written exam will be given once to each student.

FAMILY LIVING/ALCOHOL, DRUGS, TOBACCO - GRADE 11

CREDITS - 1.25, l.0 for Lab Section

This course provides the student with comprehensive information on Family Living topics. Areas of study include the physiological, psychological and social development of the individual, family relationships, mate selection, marriage, aging, death, and dying.

Students will be guided toward greater self-understanding through exploration of personal needs and values. Emphasis will be on necessary decision making in regards to issues in Family Living. The course is designed with the intention of directing the learner in perceiving Family Living as an encompassing, life-long experience.

Additionally, students will be made aware of the effects of alcohol, drugs, and tobacco on fetal development and on the family. Exposure to agencies for alcohol/drug abuse should enable the students to seek assistance through recommended and proven resources.

A CULMINATING EXPERIENCE
HEALTH AND WELLNESS: A LIFE LONG GOAL – GRADE 12

CREDITS – 5

This course is designed to provide students with a better understanding of health and wellness. It will take an in-depth look at healthy lifestyle choices and will emphasize the impact of positive lifestyle choices as well as the adverse effects of negative ones. It will emphasize the impact of personal choices as they relate to one's personal health and the short term and long term effects of those choices.

Topics to be discussed are: Illness and Primary Prevention: Suicide and Prevention; Self-Esteem; Mental/emotional Health; Interpersonal Relationships; Negative Behaviors and Addictions (including gambling, tanning, drugs and alcohol); Ethical issues; Fitness for Life (including physical activity and nutrition).

IMPORTANT INFO

The following courses are being offered as a semester elective ONLY for 2.5 credits/class. It is suggested that students be in good academic standing. These electives **DO NOT** serve as a substitute for Physical Education/Health.

INTRODUCTION TO ATHLETIC TRAINING

Credits 2.5

This course will introduce the student to the field of athletic training by providing a broad overview of concepts and experiences that can be used as volunteers or as a potential professional in athletic training, a health care professional, coach or physical educator. Topics to be discussed include anatomy, first aid, injury prevention, injury management and treatment of injuries. This elective is both academic and lab oriented.

FIRST AID & CPR

Credits 2.5

This course can teach students the important skills to save lives. Students who learn the necessary skills through hands on instruction, textbooks and computer resources to become proficient in CPR and First Aid. A certified instructor will guide students through the necessary topics. Upon completion of this course students will be able to receive free certification cards in CPR and First Aid from the American Red Cross.

*** All students enrolled in a Vocational Program that requires them to leave their PE class more than 20 minutes early will earn a Pass or Fail for the course.**

SCIENCE

SUBJECT	GRADES
Biology	10, 11, 12
Human Biology	11, 12
Biology, CP	10,11, 12
Biology, Advanced Placement* (6 credits)	11, 12
Environmental Science	11, 12
Chemistry, CP* (6 credits)	11, 12
Chemistry, Honors	10, 11, 12
Chemistry, Advanced Placement (6 credits)	11, 12
Physics, CP	11, 12
Physics, Honors* (6 credits)	11, 12
Physics, Advanced Placement* (6 credits)	12

Recommended Sequence of Courses
High School Science

Course Level	10th	11th	12th
Honors	Chemistry (Honors)	Physics (Honors) *Chemistry AP* *Biology AP*	*Biology AP* *Chemistry AP* *Physics AP*
College Prep	Biology CP	Chemistry CP	Physics CP *Biology AP* *Chemistry AP*
General	Biology	Environmental Science	Human Biology

NOTE: AP courses are considered electives, and cannot be taken instead of core biology, chemistry, or physics. Non-italicized courses at each level of instruction must be taken. Italicized courses are electives. Core courses are prerequisites for AP courses. For example, *Chemistry* is a prerequisite for taking *AP Chemistry*.

Course Selection Notes: *Please read carefully before course selection.*

Students choosing honors-level courses should meet honors criteria which minimally include for *Honors Chemistry*: A grade of B or better in *Honors Biology* and the recommendation of your *Honors Biology* teacher; and for *Honors Physics*: A grade of B or better in *Honors Chemistry* and the recommendation of your *Honors Chemistry* teacher.

Students cannot substitute *AP Biology* for *Honors* or *CP Physics*. All CP and Honors students must complete the *Biology*, *Chemistry*, *Physics* sequence of science courses if expecting to attend a four year college.

Students choosing ***AP Biology*, *AP Chemistry*** **and/or** ***AP Physics*** **are required to take the AP final exam**. Prerequisites for enrollment in AP courses reflect those suggested by the College Board/Educational Testing Service. Prerequisites for each course are found within course descriptions.
No one will be permitted entry into an AP program without having taken the required preliminary course as described below.

Prerequisite	AP Course
Honors Biology	*AP Biology*
Honors Chemistry	*AP Chemistry*
Honors Physics	*AP Physics*

All students must complete three high school science courses in order to graduate. There are three levels of science: General, CP and Honors.

General Level Science Program

BIOLOGY (Credits 5)

Prerequisite: Completion of *Physical Science*

All career track students will be required to take this course. Biology is the study of life. Students will learn through hands-on activities, reading, and the study of basic concepts that define living organisms and their structure, function, development and interactions. Students will explore topics such as plants, animals, reproduction, inheritance, and the scientific method. Students will also become prepared to take the End of Course Biology Assessment given by the State.

ENVIRONMENTAL SCIENCE (Credits 5)

Prerequisite: Completion of *Physical Science* or *Biology*

Topics covered include: an introduction to ecology, cycles in the ecosystem, succession, the atmosphere, climate, aquatic environments, and energy. A thorough review unit covering topics in earth science will be completed. Hands-on laboratory field experiences are provided. For example, students will perform environmental testing and monitoring. The skills learned in this course will provide students with a strong base of knowledge that may be used in environmental technician programs at colleges or technical schools after high school graduation.

HUMAN BIOLOGY (Credits 5)

Prerequisite: Successful completion of a high school biology course.

Human Biology is designed for those students who have completed *Biology* and *Environment Science* at the high school and desire to take an additional science class. The course is also open to college-prep students as a science elective. The course surveys human anatomy and physiology with an emphasis on explanations of how body systems work. Topics include the skeletal, muscular, nervous, circulatory and reproductive systems. Students will learn the structure of each system (anatomy) how each system works (physiology), what frequently goes wrong with each system (pathology), and how common health problems are treated. Students will benefit from hands-on lab work as they investigate human biology through the dissection of animal systems.

College-Prep Level Program

BIOLOGY, CP (Credits 5)

Prerequisites: *Algebra I* or higher, and an average grade of "B" during the first three marking periods of *Introduction to Physics and Chemistry*. Teacher recommendation is necessary.

The *Biology, CP* course is designed to start the college bound student in a comprehensive, three-year high school science program. Topics include the molecular basis of life, classification, evolution, and genetics among others. Students will participate in laboratory experiences and will benefit from enhanced lab activities using computers. They will work with data collection hardware and data analysis software to extend traditional course practice. This is a rigorous course-of-study requiring nightly homework and frequent tests. *Biology CP* requires lengthy and intense study.

CHEMISTRY, CP (Credits 6)

Prerequisite: *Algebra II* concurrently and an average grade of "B" during the first three marking periods in *Biology CP*. Teacher recommendation is required.

This course is designed to prepare students to do well in college chemistry. Moreover, health-related fields such as nursing, paramedical practice, lab technology, and occupational programs ranging from criminal justice to horticulture expect students to be knowledgeable about the physical world around them. Therefore, topics covered in *Chemistry, CP* will be useful not only in college, but also in technical schools requiring a basic

knowledge of chemical principals. Topics include: properties and matter, the periodic table, measurement, atomic structure, bonding, chemical nomenclature, stoichiomentry, behavior of gasses, solutions, and thermo chemistry. This course will provide students with extensive application of their mathematics skill and relies heavily on lab experiences. Many labs are enhanced by the recent addition of computers, data collecting hardware and analytical software to the chemistry program. Expect nightly homework, intense study, and routine application of algebra to solving word problems.

PHYSICS, CP (Credits 5)

Prerequisite: *Geometry*, *Algebra II* (may be taken concurrently), and *Chemistry, CP* with an average grade of C+ through the third marking period. Chemistry teacher recommendation is required.
This course emphasizes the basic principles and concepts of physics. Because most pre-professional college programs require a year of college physics, all students planning to pursue college programs are expected to enroll in this class. Topics covered include: motion, forces, electricity, optics, gravity, and nuclear interactions, among others. Weekly labs give students an opportunity to apply concepts they have learned in lecture. Students will also benefit from our new classroom computers and data collection interfaces which will facilitate inquiry-based learning experiences through collection and analysis of data. Expect rigorous application of math skills, nightly homework, weekly lab write-ups, and intense nightly study.

Honors Level Program

CHEMISTRY, HONORS (Credits 6)

Prerequisite: *Algebra II* (may be taken concurrently), and *Biology Honors* with an average grade of B through the third marking period; *Biology CP* students can enroll in *Chemistry Honors* if, and only if, they have an "A" average through the third marking period. Biology teacher recommendation is required.
Chemistry, Honors will challenge students to understand interactions between and within atoms and molecules. In-depth investigations of atomic structure and chemical reactions will require students to apply math skills to interpret chemical changes in nature. An introduction to kinetics, quantum and molecular orbital theory, stoichiometry, measurement, and problem analysis are a few of the many topics covered in this course. Students will also benefit from the application of computer-assisted data collection and graph analysis during hands-on lab experiences. Strong math skills are needed for success in this rigorous and demanding course. Expect nightly homework and weekly lab write-ups. Intense at-home study is requisite to good grades in *Chemistry, Honors*.

PHYSICS, HONORS (Credits 6)

Prerequisite: *Pre-Calculus* or *Algebra III* concurrently, *Chemistry Honors* with an average grade of B during the first three marking periods or an average grade of "A" through the third marking period in *Chemistry, CP*. Chemistry teacher recommendation is required. Expect summer assignments.
Physics, Honors covers topics describing the nature of the physical world. The course-of-study emphasizes motion, electricity, optics, heat, energy, and nuclear interactions. Because physics routinely deals with the application of math to phenomena found in nature, and the honors program requires strong problem solving skills, only students who have mastered algebra and are concurrently enrolled in *Pre-Calculus* or *Algebra III* should take this course. Challenging lab activities compliment lecture. Expect nightly homework and weekly lab write-ups. Intense at-home study is requisite to high grades in *Physics Honors.*

Advanced Placement Courses

Advanced placement courses are designed to be the equivalent of first year college experiences. AP courses should only be taken after the successful completion of a related first course in high school biology, chemistry, or physics. For example, students will not be enrolled in *AP Biology* without first having successfully completed a high school biology course. Likewise, *AP Physics* and *AP Chemistry* students are expected to complete high school level courses with high grades. **AP students are required to take advanced placement final exams which cost approximately $100.00.**

BIOLOGY, ADVANCED PLACEMENT (Credits 6)

Prerequisites: Previous honors courses are strongly recommended, however, any student completing *Biology CP* with a grade of A will be considered; *Algebra II* must be completed or taken concurrently; and biology and chemistry teacher recommendations are required.
Note: *AP Biology* cannot be taken in place of *Physics*. However, they can be taken concurrently.

Biology, AP is designed to be the equivalent of a first year college introductory biology course. Upon completion of the course, students will take the advanced placement exam and may earn advanced college credit. Students also may participate in Project Acceleration, whereby they can receive up to eight credits from Seton Hall University. The rigorous AP curriculum is set by the College Board. Topics covered include molecular structure, cell energetics, heredity, evolution, diversity, and genetics. Moreover, animal and plant structure and physiology are studied intensively. A substantial part of the course is laboratory-based which affords the student an ideal opportunity to become familiar with a variety of advanced lab skills, practices and equipment. This is a demanding course requiring nightly reading, homework and studying. Expect summer assignments. Upon entrance into this class, students are expected to register for the Advanced Placement Examination. They are also required to take the AP final exam in Biology in the spring.

CHEMISTRY, ADVANCED PLACEMENT (Credits 6)

Prerequisite: *Algebra II*, concurrent enrollment in *Algebra III* or *Pre-Calculus*. If taken in 12th grade, successful completion of *Chemistry Honors* with a grade of "B" or better; if taken in the 11th grade, an average grade of "B" or better during the first three marking periods of *Chemistry Honors*; students with exceptional grades in *Chemistry, CP* will be considered. Chemistry teacher recommendation is required.

The *Chemistry AP* curriculum is designed to be the equivalent of a general chemistry course taken during the first year of college. Therefore, *Chemistry AP* meets the objectives of a university chemistry course. Students will achieve a deep understanding of fundamentals and major theoretical aspects of chemistry. Topics include: the kinetic theory of gasses, chemical equilibria, the structure and states of matter, chemical reactions, and the fundamentals of descriptive chemistry. There is also a strong laboratory component to the course. Upon entrance into this class, students are expected to register for the Advanced Placement Examination. They are also required to take the final exam in Chemistry in the spring.

PHYSICS, ADVANCED PLACEMENT (Credits 6)

Prerequisite: Successful completion of *Physics Honors* and teacher recommendation.
Physics, Advanced Placement is designed to be the equivalent of a first year college introductory physics course. Upon completion, students will take the advanced placement exam and may earn advanced college credit. Students also may participate in Project Acceleration, whereby they can receive up to eight college credits from Seton Hall University. The rigorous AP curriculum is set by the College Board. The demanding *AP Physics* course-of-study includes: investigations of motions, sound, light, gravity the electro-magnetic spectrum, electricity, and other topics. Although the course does not emphasis calculus, at the end of each chapter elementary problems requiring a fundamental knowledge of calculus will be discussed for the benefit of those students taking calculus concurrently. However, students with outstanding grades in mathematics through *Algebra III* or *Pre-Calculus* should do well in the course.

SOCIAL STUDIES

ALL CLASSES ARE 5 CREDITS

SUBJECT	GRADE
US History I	10
US History CP	10
US History I (Advanced Placement)	10
US History II	11
US History II CP	11
US History II (Advanced Placement)	11
Psychology CP	11 12
Psychology (Advanced Placement)	11 12
European History (Advanced Placement)	12
Sociology	10 11 12
Economics (Advanced Placement)	11 12

U.S. HISTORY I - GRADE 10

A perspective on U.S. History (skills) is a basic course in United States History from the American Revolution through the 1920's. Basic skill development will be emphasized as students examine history in terms of our people and their effect on the major events of the following chronological periods:

Exploration of America American Revolution
The Civil War Constitutional Era

An interdisciplinary research paper is required to complete this course.

U.S. HISTORY I (CP) - GRADE 10

This course is designed for college bound sophomores and will require students to demonstrate ability to research information, write in an analytical form and present their findings in various modes. Emphasis will be placed on developing those skills. Units will include:

American Revolution Industrial Revolution
Constitutional Era A Nation Divided
Jeffersonian Era Reconstruction
Jacksonian Era Westward Expansion

An interdisciplinary research paper is required to complete this course

US HISTORY I(AP) ADVANCED PLACEMENT - GRADE 10

Prerequisite: This Course Is Open To Students Who Have Attained At Least An A Average In 9th Grade World History Cp Or B Or Better In World History Honors And A Cumulative Average Of 3.5 Or Better. 9th Grade Teacher Recommendation Is Also Required.

This course is designed for an in-depth college level study of American political, economic and social trends from the Age of Exploration to World War I. Special emphasis will be given to writing essays on historical topics. Topics will include Colonization, the American Revolution, Jeffersonian Democracy, the Age of Reform, the Civil War, Reconstruction, the Industrial Revolution, Imperialism, Westward Expansion, Progressivism and World War I. Supplementary and summer reading will be required. Students who enroll in this course are expected to take US History II AP in their junior year.

U.S. HISTORY II - GRADE 11

Prerequisite: U.S. History I

U.S. History II is a sequel to U.S. History I and traces the development of America from the 1920's to the present. The use of current events will accentuate the curriculum along with an emphasis on basic skill development. Students will be exposed to the major events of the following chronological periods.

Units will include:

Review the Twenties	Vietnam
World War II	Soviet/U.S. Relations
The Cold War	Present Events
1960's (Social & Political)	

U.S. HISTORY II (CP) - GRADE 11

Prerequisite: Teacher Recommendation

A sequel to U.S. History I which will trace the development of America from the 1920's to present. Students will research information and present their findings in various modes. Units will include:

Spanish American War	World War II	Vietnam
Industrialization/Progression	The Cold War	Soviet/US Relations
WWI	1960's (Social & Political	Present events
Twenties		

US HISTORY II AP (ADVANCED PLACEMENT) – GRADE 11

Prerequisite – This course is open to students who attained a B average in 10th grade US History I AP and cumulative grade point average of 3.5 or better. Recommendation of the 10th grade AP US I history teacher or US I CP teacher is also required.

This course is a continuation of the AP US History I track and will follow the same format as AP US History I. It will focus on the time period from the Roaring Twenties to the present. Topics for study and research will include the Roaring Twenties, the Great Depression, the New Deal, World War II, the Cold War, the Civil Rights Movement, Vietnam, and the political, economic and social trends of the 1970's, 80's and 90's. Supplementary and summer reading will be required. During the month of May, students will be expected to take the Advanced Placement test in US History. An interdisciplinary research paper is required to complete this course.

EUROPEAN HISTORY AP (ADVANCED PLACEMENT) – GRADE 12

The AP course and exam in European History are intended for qualified students who wish to complete classes in secondary school equivalent to college introductory courses in European history. The study of European history since 1450 introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. Without this knowledge, we would lack the context for understanding the development of contemporary institutions, the role of continuity and change in present-day society and politics, and the evolution of current forms of artistic expression and intellectual discourse. In addition to providing a basic narrative of events and movements, the goals of the AP program in European History are to develop (a) an understanding of some of the principal themes in modern European History, (b) an ability to analyze historical evidence and historical interpretation, and (c) an ability to express historical understanding in writing.

Required Reading:

March of Folly – Barbara Tuchman

Ordinary Men - Christopher Browning

PSYCHOLOGY (CP) - GRADES 11 / 12

Prerequisite: U.S. History I CP

This course offers a brief overview of the scientific study of the human mind and its mental processes. Areas of study include research methods and ethics, brain, nervous system and endocrine systems, sensation and perception, consciousness, learning, memory, thinking and language, intelligence, development, motivation and emotion, theories of personality, social psychology and gender roles, psychological disorders and methods of therapy. Each of these areas will be discussed by means of the seven current perspectives in psychology; biological, psychodynamic, behaviorist, cognitive, humanistic, evolutionary and sociocultural. Learning tactics include a combination of discussion, lecture, cooperative learning, projects and journals.

PSYCHOLOGY ADVANCED PLACEMENT - GRADES 11 / 12

Prerequisite: US I Honors, US II Honors or US I APor US II AP - no previous psychology course

Offered to qualified high school students as an equivalent to an introductory psychology college course. The course will introduce students to the scientific study of human behavior and their mental processes. Areas of study include: history, research methods and ethics, biological bases of behavior, sensation and perception, memory, altered states of consciousness, behavior analysis, cognitive processes and intelligence assessment, motivation, stress, personality, abnormal disorders and treatment, and social relationships. The above will be learned under the current psychological perspective umbrella which includes approaches to behavior by way of the following: biological, psychodynamic, behaviorist, humanistic, cognitive, evolutionary, and cultural.

Upon entrance into this class, students are expected to register for the Advanced Placement Examination. They are also required to take the exam in the spring. Successful completion of the AP Exam **MAY** earn the student three (3) college credits, depending on whether or not the college or university accepts the AP scores.

SOCIOLOGY - GRADES 10 / 11 / 12

Prerequisite: US I CP or Teacher Recommendation

This course offers an overview of the scientific study of the human society and social behavior. Students will develop an understanding of not only American values, but the values, customs and cultures of societies worldwide. Diversity, social conformity, norms, roles and statuses, theories, gender issues, ageism and health, family, discrimination, deviance and social control, mass media, and social stratification will be explored, as well as a unit on anthropology. Learning tactics include lecture and discussion, videos, cooperative groups, and projects. **This course is recommended for students who have completed a psychology course.**

AP ECONOMICS – GRADES 11, 12

Prerequisite – Grade of B or better in US I CP, 3.2 overall cumulative average and teacher recommendation

This course examines the principles and practices of Microeconomics and Macroeconomics. The study of economics provides insight into many social and political problems in the United States and the world. This course provides an understanding of what economics is all about. Relating theory to history increases the students understanding of the subject. Topics include: inflation, recession, depression, die development and workings of the free market system, monetary and fiscal policy, economic indicators, supply side economics and current economic issues. Skills such as the interpretation of statistics and graphs, translating economic statistics into graphs, evaluating various types of investments such as stocks, bonds, and money-market funds are studies. It includes individual and group research projects and presentations as well as numerous simulation activities. It is designed for a highly motivated student with a sincere desire to develop and enhance their understanding of economic concepts and their applications. Supplemental and summer reading list such as Freakonomics & The Secrets of Economic Indicators. Upon entrance into this course, students are expected to register for the Advanced Placement exam and take the Macroeconomics test in the spring.

TECHNOLOGY

All Classes are 5 credits

SUBJECT	GRADE
Visual Technology I	**10, 11, 12**
Visual Technology II	**11, 12**
Visual Technology III	**12**
Applied Technology	**10, 11, 12**
Auto Tech I, Automotive Systems	**10, 11, 12**
Auto Tech II, Adv. Auto Systems	**11, 12**
Auto Tech III, Adv. Diagnostics	**12**
Construction Technology I	**10, 11, 12**
Construction Technology 2	**11, 12**
Construction Technology 3	**12**
Graphic Design 1	**10, 11, 12**
Graphic Design 2	**11, 12**

VISUAL TECHNOLOGY I – GRADES 10, 11, 12

This is the first course in visual technology. Students will learn the fundamentals of printer operation including xerographic and laser process, the use of folding and finishing equipment, and the operation of the 35 mm and digital cameras. They will be introduced to the fundamentals of photography, basic film processing (black/white), typography, and the elements of visual design using contemporary applications, for example Adobe Photoshop and Corel Draw. Emphasis in this course will be on learning how to use equipment, and develop basic layout, digital design, picture taking and processing skills.

VISUAL TECHNOLOGY II – GRADES 11, 12

The program focuses on the principles and techniques of communicating information, ideas, moods and the feelings through the creation of images on photographic film, plates, and digital images. The curriculum includes instruction in the camera and equipment operation and maintenance, film and plate developing, light and composition, films and printing media, color and special effects, photographic art, photographic history, and the fundamental use of computer applications to record or enhance images. Students also learn the fundamentals of printing and production of typical copy shop output using xerography, laserography, and a variety of folding, cutting, and binding systems.

VISUAL TECHNOLOGY III – GRADES 11, 12

Prerequisite – Visual Tech I, II

In this course students will begin to develop marketable skills in the commercial photography market. They will participate in operating an on-campus photography studio. They will prepare projects from idea to product, using state-of-the-art camera and printing equipment, including laser and high speed bubble jet technology. Advanced students assist in the production of routing photographic and printing jobs for the school district. They design the layout, run the xerographic and duplication equipment and participate in the photographic, publishing and printing elements of each job.

CONSTRUCTION TECHNOLOGY I, II, III GRADES 10, 11, 12

Pinelands offers a three year rotation of construction technology courses. During a three year building cycle students construct a ranch house inside the construction shop. During the first year students learn to read blue prints, complete take-offs, use tools and frame a small house; the foundation, sill plates, joists, flooring and framing are completed. During year two sheathing, siding, roofing, exterior trim, a deck and other projects are finished. By the end of year three, the bathroom and kitchen are framed out, fixtures have been installed, sheet rock and other interior trim is completed. The program follows closely the Construction Technology course of study used at the Ocean County Vocational Technical School. Students are graded in construction technology and carpentry.

Students may enter the program any year. Each school year begins with a review of tool skills and shop safety.

AUTOMOTIVE TECHNOLOGY I, Automotive Systems- GRADES 10/11/12

Prerequisite: Introduction to Automotive Technology or permission of instructor.

Students become familiar with the internal combustion engine and then move on to an introduction to automotive systems. They work directly on automobiles to explore the mechanical relationships between elements of the drive train, the engine and other automotive systems. Students are introduced to standards and practices of routine troubleshooting, repair and maintenance.

AUTOMOTIVE TECHNOLOGY II, Advanced Automotive Systems- GRADES 11/12

Prerequisite: Automotive Technology I

Having learned about routine troubleshooting and basic automotive systems, students expand their knowledge of automotive technology in this course by learning additional systems and extending their range of repair and diagnostic skills. They work on cars brought to the shop for repair by students and faculty.

AUTOMOTIVE TECHNOLOGY III, Advanced Automotive Diagnostics- GRADE 12

Prerequisite: Automotive Technology II

Those students desiring to go on to a profession as an auto-mechanic will have an opportunity in Automotive Technology III to work closely with their instructor as they learn advanced diagnostics and polish their troubleshooting and repair skills.

APPLIED TECHNOLOGY

Dictionary.com defines technology as: The branch of knowledge that deals with the creation and use of technical means and their interrelation with life, society, and the environment, drawing upon such subjects as industrial arts, engineering, applied science, and pure science. Or, the sum of the ways in which social groups provide themselves with the material objects of their civilization. More succinctly defined, technology is implementing acquired knowledge. The student, having spent many years studying math, science, history and English will be required to put these subjects to use. This course offers a hands-on opportunity for students to study, communicate, design, explore, engineer and physically build projects. The array of projects built by the students may be used to demonstrate various concepts such as, cause and effect, mechanical advantage, materials and structures or how society is affected from possibilities and practices for marketing of projects. This course will also necessitate the students safely using various equipment and machines to add to their academic tool box.

GRAPHIC DESIGN I - GRADES 10, 11, 12

The Graphic Design program prepares students to apply artistic and computer techniques to the interpretation of technical and commercial concepts. The curriculum includes instruction in computer-assisted art and design, printmaking, concepts sketching, color theory, imaging, studio technique, communication skills, and commercial art business operations. In this first course in Graphic Design, students are introduced to Adobe Photo Shop, an image-enhancing software, and Adobe Illustrator, a computer-assisted design program. Students complete a variety of creative projects as they learn to manipulate basic graphic design software.

GRAPHIC DESIGN II - GRADES 11 and 12

Prerequisite: C average in Graphics I

In this course, students reach an intermediate level of skill mastery in computer-assisted design software, as they become more familiar with the graphic design job market. They will produce a portfolio of their work, showcasing the range of skills they have developed in the program. Students will develop interviewing skills as they participate in mock interviews, and wherever possible, will visit graphic design professionals in the work environment. By program's end, students will have achieved a significant level of skill mastery in graphic design software applications considered industry standards, including Adobe Photo Shop and Illustrator, and Macromedia programs.

WORLD LANGUAGE
ALL CLASSES ARE 5 CREDITS

SUBJECT	GRADE
Conversational Spanish	**10 11 12**
Spanish I CP	**10 11 12**
Spanish II CP	**11 12**
Spanish III CP	**11 12**
Spanish IV Honors	**11 12**
Spanish V Honors	**11 12**
Spanish VI Honors	**12**
French I CP	**10 11 12**
French II CP	**11 12**
French III CP	**11 12**
French IV Honors	**11 12**
French V Honors	**11 12**
French VI Honors	**12**

All classes are 5 credits

CONVERSATIONAL SPANISH - GRADES 10/11/12

Conversational Spanish is a course designed for non-college bound students who need to meet the high school graduation requirements. The emphasis will be on promoting speaking and listening skills in order to develop basic proficiency in a second language. Students will also be exposed to the culture of the Spanish speaking world.

SPANISH I (CP) - GRADES 10 / 11 / 12

Spanish I is the first course in sequential programs of language study. Emphasis in the first year is on correct pronunciation and speech patterns acquired through listening and speaking drills. Practical vocabulary and grammatical structures will be introduced along with a development of reading and writing skills. Students will be exposed to the culture of the Spanish speaking world.

SPANISH II (CP) - GRADES 10 / 11 / 12

Prerequisite: Spanish I and teacher recommendation

Spanish II is the second course in a six year Spanish program. Skills and vocabulary used in Spanish I are reinforced and expanded and more complicated aspects of the language are studied.

SPANISH III (CP) - GRADES 11 / 12

Prerequisite: Spanish II and teacher recommendation

Spanish III is the third stage of a six-year Spanish program. Skills and vocabulary used in Spanish I and II are reinforced and expanded with an emphasis on mastery in speech patterns, writing skills and listening comprehension. Excerpts of the Spanish short story are introduced along with outstanding historical, geographical and cultural issues as they are reflected in the curriculum.

SPANISH IV (Honors) - GRADES 11 / 12

Prerequisite: Spanish III

Spanish IV is the fourth course in the Spanish program. Students enrolled in this course will demonstrate proficiency of the course requirements as outlined in the course of study. Excerpts of authentic Spanish literature are introduced.

SPANISH V (HONORS) - GRADES 11 / 12

Prerequisite: Spanish IV

Spanish V is an elective Honors Spanish course. Students enrolled in this course will demonstrate proficiency of the requirements as outlined in the course of study. Students are required to demonstrate a linguistic proficiency in the spoken language, as well as a mastery of their reading, writing and listening skills.

SPANISH VI (HONORS) - GRADE 12

Prerequisite: Spanish V

Spanish VI is an elective Honors Spanish course. Students enrolled in this course will demonstrate proficiency of the requirements as outlined in the course of study. Students are required to demonstrate proficiency in the spoken language.

FRENCH I (CP) - GRADES 10 / 11 / 12

French I is a course designed to teach the basic concepts of the French language. First year students will be introduced to the language through vocabulary, grammar, structure, pronunciation drills and short readings. Culture, reading, writing, listening and speaking skills will be developed.

FRENCH II (CP)

Prerequisite: French I and teacher recommendation

French II is a course where the four basic skills of reading, writing, listening, and speaking in Level I are developed more fully through continued study of the language. Students will further be exposed to the cultural aspects of the language.

FRENCH III (CP) - GRADES 11/12

Prerequisite: French II and teacher recommendation

French III is an intensified study of the culture and language where the skills of speaking, reading, writing and listening are more fully expanded. More student input and participation are required.

FRENCH IV (Honors) - GRADES 11 / 12

Prerequisite: French III and teacher recommendation

French IV is a continued intense study of the culture, grammar and language where emphasis is placed on oral participation/expression and literature.

FRENCH V (HONORS) - GRADES 11 / 12

Prerequisite: French IV and teacher recommendation

French V is a literature based course where students will fully develop the language skills of listening, speaking, reading, and writing. More complex grammatical structure is stressed with a strong focus on the classics of French literature.

FRENCH VI (HONORS) - GRADES 11 / 12

Prerequisite: French V and teacher recommendation

French VI is a literature based course where students will fully develop the language skills of listening, speaking, reading, and writing. More complex grammatical structure is stressed with a strong focus on the classics of French literature.

ESL PROGRAM

The English as a Second Language Program (ESL) is one in which the limited English student receives at least one period a day of ESL instruction. The instruction is divided into three levels: Basic, Intermediate, and Advanced. During all other times the student attends to the normal school routine. The purpose of the ESL program is to provide English instruction, including academic language skills, in order to prepare students to function successfully in their classes. The course allows for flexibility in instruction providing students the opportunity to learn according to their preferred styles and proficiency levels. Emphasis is placed upon the total development of the student, which includes the social, the emotional and the cognitive areas. Lessons are planned to appeal to both the affective and cognitive domains and are related to the pupil's own experience. Five areas of language are recognized as basic: listening, speaking, reading, writing, and viewing. Students are instructed in areas of need. In addition, various aspects of the American culture are introduced.