

TOMS RIVER REGIONAL HIGH SCHOOLS



COURSE SELECTION GUIDE 2009-2010

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MISSION STATEMENT

The Toms River Regional School District is a team of talented, committed staff, dedicated learners, and supportive community members. We are devoted to providing a comprehensive, caring educational experience based upon the New Jersey Core Curriculum Content Standards which nurtures the unique talents of each individual. As life-long learners, our students grow to become socially responsible individuals who value and respect diversity. Our mission is to create a safe and positive learning environment where children can develop the confidence and capabilities to face the challenges of our rapidly changing world.

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PROGRAM OFFERINGS

The Toms River High Schools provide varied course offerings for students who plan to continue their education or to enter the world of work immediately following high school. With the help of their parents or guardians, teachers, and guidance counselors, students should be able to choose an educational program that is attainable, meaningful, and useful.

COLLEGE PREPARATORY

Students wishing to pursue a college preparatory program must meet certain requirements for college admission. Although entrance requirements vary from college to college, a minimum of 16 college preparatory academic units (courses) is recommended as follows:

4 Years	English
3 Years	Math
3 Years	Science (Laboratory 2 years)
3 Years	History
2 Years	World Language
2 additional college preparatory electives from above	

It is difficult to be specific about admission to colleges and universities because each has its own requirements. Certainly, the more competitive the college; the more rigorous the requirements. In selecting applicants for admission, four-year colleges consider class rank, grades earned, level of difficulty of subjects studied, scores on the S.A.T. and S.A.T. subject tests, and/or the American College Test, recommendation of high school counselors and teachers, as well as extra-curricular involvement. Current information on individual college requirements is available through the Guidance Department. Students planning to take the S.A.T.'s are strongly urged to participate in an S.A.T. preparation program. Our school district offers a S.A.T. preparation program. Please see your guidance counselor about registering for our S.A.T. preparation program.

VOCATIONAL

This general area is designed for the student who wishes to learn a specific trade or skill. Students have the opportunity to attend one of the five Ocean County Vocational-Technical School centers located in either Toms River, Jackson, Brick, Lakehurst or Ocean Township for vocational courses. Applications and course description booklets may be obtained from the guidance office. See page 23 of this booklet for a listing of courses available at the Ocean County Vocational-Technical School.

GRADUATION REQUIREMENTS

(See pages 24 - 25 for Graduation Policy Summary)

H.S.P.A. PROFICIENCY REVIEW

Mandatory assessment review classes in reading, writing and/or mathematics will be scheduled for students needing assessment review for the New Jersey High School Proficiency Assessment. Students will be identified as needing remediation based on multiple criteria including the NJASK8, PSAT, and other standardized test scores, past performance, and teacher recommendations. Assignment to these courses does not replace English and Math requirements for graduation. Students must pass the HSPA in order to graduate.

GRADING POLICY

Grade Key	Deficiencies	Commendations
A+ 97-100	1-Low Test Results	8-Has Good Work Habits
A 90-96	2-Insufficient Class Participation	9-Cooperative
B+ 87-89	3-Unprepared/Lack of Homework	10-Participates Well
B 80-86	4-All of the Above in Class Activities	
C+ 77-79	5-Unacceptable Conduct/Attitudes	
C 70-76	6-Excessive Absences	
D 65-69 Poor But Passing	7-Conference Requested	
F Failure		

CLASS RANK

Class rank is computed in accordance with the recommendations of the National Association of Secondary School Principals. Rank is computed at the end of the 4th, 6th, 7th, and 8th semester.

The student with the highest weighted academic average is ranked number 1, the second highest is ranked number 2, etc.

GUIDANCE SERVICES

The Guidance Department is organized to offer support and to provide information to students and their parents throughout the four years of high school. Students are assigned a counselor when they enter high school and, when possible, will remain with the same counselor until they graduate. Conferences are held with each student to discuss educational and vocational plans. Students with academic and personal problems are assisted by the counselors and referred to appropriate agencies as necessary. Parents are encouraged to attend all guidance programs.

STUDENT PLACEMENT

The Toms River Regional School District subscribes to the philosophy that every student should be provided with an optimum opportunity to succeed in his/her educational endeavors. Therefore, students are scheduled into courses in which they may work at a level compatible with their ability level and consistent with their future plans. Placement in specific classes is determined by the following criteria:

- Student goals/aspirations
- Past academic performance
- Teacher/counselor recommendations
- Standardized test scores

INDEPENDENT STUDY

Independent Study offers students the opportunity to design a program of study to supplement our high school program. Students are provided the opportunity to enroll in an Independent Study program at the eleventh and/or twelfth grade levels. The program must be directly related to a course in which the student is enrolled or has successfully completed. Every program must be administratively approved and carries 2½ credits per school year. Independent Study courses are not computed in class rank. Applications are available in the guidance office.

ADVANCED PLACEMENT COURSES

Advanced Placement courses are college-level courses designed for students who are academically superior, self-motivated, and have a desire to be challenged. A letter of intent is required for each course for which a student applies. At the college's discretion, students **may** earn college credit or advanced standing as based upon the successful completion of the course and the examinations. [The Advanced Placement Examination is prepared and scored by the College Board].

NONDISCRIMINATION/SEXUAL HARASSMENT POLICIES & PROCEDURES

Federal Law prohibits educational program and employment discrimination on the basis of gender (Title IX of the 1972 Educational Amendments); handicap (Section 504 of the Rehabilitation Act of 1973); age (Age Discrimination In Employment Act of 1967); and race, color, religion, gender, or national origin (Title VII of the Civil Rights Act of 1964). New Jersey Title 6 prohibits educational program and employment practices discrimination on the basis of race, color, creed, religion, gender, ancestry, national origin and social/economic status.

Inquiries regarding compliance with nondiscrimination laws may be directed to (1) Wendy Rozwadowski Dravis, District Affirmative Action Officer, West Dover Elementary, 50 Blue Jay Dr., Toms River, NJ, Phone (732) 505-5920; (2) John Coleman, 504 Coordinator, 1144 Hooper Avenue, Toms River, NJ 08753, Phone (732) 505-5561; (3) U.S. Department of Education for Civil Rights, Region II (for Federal laws), 32 Old Slip, 26th Floor, New York, NY 10005-2500, Phone (646) 428-3900; and (4) NJ Division of Civil Rights, 140 E. Front Street, 6th Floor, P.O. Box 090, Trenton, NJ 08625-0090, Phone (609) 292-4605.

The Toms River Regional School District does not discriminate on the basis of race, color, creed, religion, gender, ancestry, national origin, affect ional or sexual orientation (real or perceived), social/economic status, age, or handicap in its educational programs, vocational programs, and employment practices in accordance with the applicable statutes. In addition, the Board of Education is committed to maintaining an instructional and working environment that is free from harassment of any kind. Sexual harassment is a violation of state and federal laws. Findings of sexual harassment **will** result in disciplinary action which may include parental conference, suspension, and/or a report with to local law enforcement and any other disciplinary action deemed necessary and appropriate by the Superintendent of Schools/Board of Education. The Board of Education has a Non-discrimination/Affirmative Action policy (#2224) setting forth a grievance procedure whereby any student, parent, teacher, administrator, or member of the community who has a grievance may present such grievance for consideration. The policy is available in the office of the Superintendent of Schools, in the Principal's Office at each school, and in the district Affirmative Action Office.

COURSE DESCRIPTIONS

ENGLISH DEPARTMENT

The English program is a sequential one that develops students' comprehension, appreciation of literature, oral and written expression, vocabulary enrichment, and language mastery. All courses are aligned to the New Jersey Core Curriculum Content Standards (NJCCCS) and focus on the mastery of reading, writing, speaking, listening, viewing, and media literacy. All courses integrate HSPA preparation and the SAT Online Program as part of the curriculum. Pupils are placed into the program based upon their individual needs and assessed academic ability. The course content is adjusted to the ability level in which the student is placed.

For English I, II, III, and IV, the following applies:

Honors: Students in the English Honors classes should be willing and able to meet the challenging demands of this accelerated level. The student should be self-motivated and maintain a high level of academic interest and exceptional performance.

College Prep: This level course is designed to further the students' preparation for college. All areas and skills will be studied in depth and students are expected to successfully meet the courses' requirements.

General Studies: This level course affords students an opportunity to develop and/or improve their reading and writing skills. The course will also focus on the student's mastery of those skills needed for a proficient performance on the HSPA.

English I: Honors (1101), College Prep (2102), General Studies (3103)
Grade 9

5 Credits

English I provides a foundation in reading, writing, and speaking skills for future high school English courses. Attention is given to functional grammar, oral and written composition, technological research, study skills, career development, vocabulary acquisition through context, and an introduction to the various genres in British and American literature. Literature instruction provides experience with drama, the novel, poetry, short stories and non-fiction. Book reports are a requirement, (the number to be determined by the individual teacher). A concentration on writing and reading comprehension skills will be emphasized, including vocabulary acquisition through context and study skills in those classes where student needs and abilities so dictate. The computer lab, located in the Media Center, will be used for various writing and research skills practice when applicable and available. Grade 11 HSPA and SAT preparation, through the SAT Online Program, will also be part of this course.

English II: Honors (1111), College Prep (2112), General Studies (3113)**5 Credits**

Grade 10

Prerequisite: English I

The entire course attempts to cover the areas of reading, writing, speaking, listening, and critical thinking, but stresses reading and composition skills. The grammar is taught functionally and emanates from the composition work, while the bulk of composition comes from the literature being taught. The study of British and American literature continues the introduction that began in Grade Nine and includes more challenging selections in the various genres. Book reports are a requirement, (the number to be determined by the individual teacher). Proficiency in writing and reading comprehension skills, including vocabulary acquisition through context and study skills, will be emphasized in those classes where student needs and ability levels so dictate. Grade 11 HSPA and SAT preparation, through the SAT Online Program, will also be part of this course. Early steps in writing research papers will be taught, and a short research paper will be written. The computer lab, located in the Media Center, will be used for various writing assignments and research skill practice when applicable and available.

English III: Honors (1120), College Prep (2122), General Studies (3123)**5 Credits**

Grade 11

Prerequisite: English II

The purposes of English III are to survey American literature and to improve the student's skills in writing and reading comprehension. Emphasis is placed on logical thinking, reading analysis and appreciation, extensive free reading, composition, vocabulary enrichment and oral expression. Supplementary literature varies with each class. Book reports are required, the number to be determined by the teacher. Students must pass the reading and writing portions of the Grade 11 New Jersey HSPA to fulfill graduation requirements. The computer lab, located in the Media Center, will be used to foster improved writing skills and facilitate HSPA and SAT preparation through the SAT Online Program. The techniques and steps involved in writing a research paper will also be taught with the use of the computer lab. A full research paper will be written.

English IV: Honors (1131), College Prep (2132), General Studies (3133)**5 Credits**

Grade 12

Prerequisite: English III

Senior English concentrates on all of the communication skills in conjunction with the study of British literature. In writing and in class discussion, the techniques of critical and analytical study of literature are applied. Book reports are required, (the number to be determined by the teacher). Supplementary literature varies with each class. The computer lab, located in the Media Center, will be used to assist in writing instruction, short research papers, and SAT preparation through the SAT Online Program.

Creative Writing and Speech (2168)**5 Credits**

Grades 10,11,12

Prerequisite: C in previous English course

Creative Writing, part of a full-year elective course combined with Speech, provides a structural program in the techniques of creative expression. This course also affords extensive opportunities for using these techniques. Poetry, short story, essay, and sketch are among the forms taught. The course is of special value for those college-bound students who intend to major in English or Humanities and have demonstrated a successful application of the proficient basic composition skills. The computer lab, located in the Media Center, will be used to refine writing skills. Speech, part of a full-year elective course combined with Creative Writing, provides the student with an opportunity to participate in a variety of speech activities. These include debating, dramatic reading, impromptu and formal speaking, and parliamentary procedures. Emphasis in this section of the course is upon the development of poise, confidence, and creative expression.

Journalism I (2134)**5 Credits**

Grades 10,11,12

Prerequisite: C in previous English course

The chief aims of this elective course are to train students in the skills required to publish school newspapers and provide students with a solid background in journalism theory. Students will be taught the definition and elements of news and will be trained to distinguish fact from opinion. Students will also analyze the role of public mass media in today's society. Students will be taught the process of gathering, writing and disseminating news, including the interview process, editing copy, writing headlines, and creating layout. In addition, students will practice writing straight news, feature and opinion pieces. Students will be introduced to career development in the field of Journalism.

Journalism II (2135)**5 Credits**

Grades 11,12

Prerequisite: Journalism I

Journalism II is an elective course in which students will utilize skills learned in Journalism I to produce the regularly published school newspaper. Students will apply for editorial and staff positions. Skills in planning, process, and production will be further developed. Students will use technology to assist in publication. Career development in the field of Journalism will be explored.

Journalism III (2140)**5 Credits**

Grade 12

Prerequisite: Journalism I and II or prior approval by Journalism teacher

Journalism III is a high-level elective that allows students, who have already worked on the school newspaper, to build upon leadership skills acquired in prior Journalism courses. Students will be responsible for overseeing the entire publication process: brainstorming story ideas, writing, editing, and distribution of the printed paper. The career interest of students will be developed.

Broadcast Journalism (2142)Grade 12
Application Required**5 Credits**

Prerequisite: Television Production

Broadcast Journalism builds upon the skills developed in Television Production and provides students with the opportunity to develop advanced skills in the field of broadcast journalism. Concepts in this hands-on course are developed primarily through experience. Working in the TeleCenter, students produce a weekly news show for broadcast on our own cable access channel TV-21 and participate in all areas of production, both as talent and as technicians. In addition, students compose the production teams that participate in a variety of TV-21 programs covering sports, concerts, special events, entertainment programs, and documentaries. The course will also develop the special career interest of students.

Theatre Arts (2138)

Grades 10,11,12

5 Credits

Also fulfills Visual and Performing Arts Requirement

The purpose of the course is to develop an appreciation of the art of theatre. The following units of study are included: theatre organization, play analysis, dramatic literature, history of the theatre, acting (pantomime, movement, voice, diction, oral interpretation, and evaluation of performance), technical production (set design and execution, lighting, costuming, make-up, properties, and sound effects), and some elementary directing. The course goals are directed at creating an educated audience and developing the special career interest of students. A performance oriented course, Theatre Arts requires frequent student participation.

English III: Modern American Literature (2124)

Grade 11

5 Credits

Prerequisite: English II CP - Fulfills the English III requirement

This course is a college preparatory level program that fulfills the English III College Prep requirement. The course focuses on 20th Century American short stories, poetry, plays, novels, and non-fiction while additionally reinforcing writing and speaking skills, which students will need upon graduation from high school. Book reports are required, and the course will also include specific instruction on preparing students to successfully pass the 11th grade HSPA and SAT preparation through the SAT online program. A research paper will be written.

English IV: Communications (2163)

Grade 12

5 CreditsPrerequisite: English III CP or English III: Modern American Literature - Fulfills English IV requirement

This College Prep level course centers on a study of the major kinds of media including television, radio, motion pictures, magazines, and newspapers. Vocabulary enrichment, writing, reading, projects, and class discussion play major roles in the course. A minimum of four book reports is required. The course will also develop the special career interest of students.

Humanities (2137)

Grade 12

5 Credits

Humanities is a full-year course open to seniors on an elective basis. This course attempts to broaden and deepen the cultural perspectives of students and to provide them with a more intense understanding of the interaction among art, literature, history, music, and the human spirit. Students' critical and creative abilities will be challenged in order to prepare them better for advancing their talents in college, but more importantly, in life.

English IV: World Literature (1136)

Grade 12

5 Credits

Prerequisite: A or B in English III Honors - Fulfills English IV requirement

This Honors level course in World Literature has been designed for students with above-average English skills and can be taken as an alternative to English IV Honors. Students will have an opportunity to read some of the great world classics and emphasis will be placed on out-of-class reading, in-class discussions, and the writing of short papers. Students electing this course must have a solid foundation in language skills.

English III: Advanced Honors (1120)

Grade 11

5 CreditsPrerequisite: A or B+ in English II Honors
Letter of Intent is required

This program is open to above average, college-bound juniors who plan to enroll in the AP Literature and Composition and/or the AP Language and Composition course in Grade 12. This course will better prepare students for the AP Literature and Composition exam, which they are expected to take in the spring of their senior year. Major course components include an American literature concentration and a strong focus on those writing skills as found in college composition.

ADVANCED PLACEMENT COURSES

Advanced Placement Language and Composition (1161)

Grade 11,12

5 Credits

Prerequisite: For Grade 11: A or B+ in English II Honors
For Grade 12: A or B+ in English III Advanced Honors or English III Honors
Letter of Intent is required

The goals of this course are equivalent to an entry-level college class and therefore, the student should demonstrate superior ability and self-motivation. This course is also designed to prepare the student for the Advanced Placement Language and Composition Examination, which he/she is expected to take in the spring. The students will study prose written in a variety of periods, disciplines, and rhetorical contexts and will learn how to become skilled writers who compose for a variety of purposes. AP Language and Composition focuses on a variety of nonfiction prose, but does not contain a definitive focus on British and World literature (fiction and nonfiction) that English IV: Honors or the AP Literature and Composition affords the college-bound student. Students may be able to receive college credit upon successful completion of the course and the examination. The awarding of such credit is based upon the colleges' decision.

Advanced Placement Literature and Composition (1130)

Grade 12

5 Credits

Prerequisite: A or B+ in English III Advanced Honors or English III Honors
Letter of Intent is required

The goals of this course are equivalent to an entry-level college class and therefore, the student should demonstrate superior ability and self-motivation. This course is also designed to prepare the student for the Advanced Placement Literature and Composition Examination, which he/she is expected to take in spring. The students will study British literature and a sampling of World literature, and will engage in close reading and critical analysis of literary texts. In addition, the course will include frequent opportunities for writing literary interpretation as appropriate for an introductory college English course. Students may be able to receive college credit upon successful completion of the course and examination. The awarding of such credit is based upon the colleges' decision.

VISUAL AND PERFORMING ARTS DEPARTMENT

Art I (2701)

Grades 9,10,11,12

5 Credits

Art I is a survey course dealing with basic art concepts. Areas studied will include the formal elements, the variety of materials, the nature of media and the general techniques applied to them. Concepts, originality, regard for materials, classroom responsibility, spatial logic, and the organization of process out of which quality work grows are stressed. Individual expression is seen as a natural result of familiarity and involvement with basic information.

Art II (2702)

Grades 10,11,12

5 Credits

Prerequisite: Art I

Second year art extends and reinforces the learning from Art I. In this course emphasis is placed on the human and personal nature of expression and the artistic process.

Art III (2703)

Grades 11,12

5 Credits

Prerequisite: Art II

The third year of art is an advanced studio course that builds upon Art I and Art II experiences for students interested in the fine arts, art appreciation, and the creative process. Through drawing, painting, sculpture, and other media, the student is given insight into historical contemporary problems in expression, with emphasis given to creative sources from which one may work. Slides, videos and field trips may be used to emphasize the relationship between the student and traditional or contemporary artists. To better understand one's own creativity, comparative research problems and the keeping of a journal may be required for some portions of this course. Portfolio preparation is an important component of the Art III program and enhances each student's pathway into the world of career development.

Art IV (2704)

Grade 12

5 Credits

Prerequisite: Art III

Fourth-year art extends and reinforces the learning from Art I, Art II, and Art III. Art IV contains an advanced studio course that covers all aspects of fine and applied arts. Initial emphasis is placed on the production of a portfolio, career and college opportunities, and production skills.

Art History (2705)**5 Credits**

Grades 10,11,12

Students will develop an understanding of world history by examining the major forms of artistic expression from prehistory to contemporary times. Within the context of history, geography, politics, religion and culture, they will study the development of civilization as it is reflected in art created during defined periods of time. Students will also acquire knowledge of the principal artists and architects of these periods.

Chorus I (2715)/Chorus II (2716)/Tenor/Bass Chorus (2718)/Advanced Chorus (2717)**5 Credits**

Grades 9,10,11,12

Prerequisite: Fundamental Audition

The choral program is designed to encourage and develop all forms of musical ability. Students are introduced to vocal production and proper singing techniques and given the opportunity to further languages. A second year student is eligible for selective chorus through an audition that demonstrates mastery of the first year curriculum of basic musicianship skills and attaining an advanced level of vocal development. Junior students who are considering music as a college major or vocation will explore various opportunities for study and employment in the fields of music. The Vocal Music course offerings are based upon scheduling, musical ability, interest, auditions, and the desire of the student. Choral students must be available to participate in concerts as required by the instructor.

Band I (2720), II (2721), III (2722), IV (2723)**5 Credits**

Grades 9,10,11,12

Prerequisite: Fundamental Audition

This program provides for the varying abilities of students through music which is appropriate for their level and graded in difficulty. Students electing Band must possess sufficient skills to pass a fundamental audition. Band students have the opportunity to develop leadership and cooperative skills necessary to the smooth operation of an organization. Junior students who are considering music as a college major or vocation will explore various opportunities for study and employment in the various fields of music. One of the primary services of bands is service to the school and community in the field of public relations. All band members must be available to march in parades and participate in concerts.

Orchestra I (2725), II (2726), III (2728) , IV (2729)**5 Credits**

Grades 9,10,11,12

Prerequisite: Fundamental Audition

The primary function of the orchestra program is to teach students the art of playing an instrument. In addition to learning technical facility, the students are given an opportunity to "get in touch" with their musical heritage through performance of classical literature. Junior students who are considering music as a college major or vocation will explore various opportunities for study and employment in the fields of music. Students are encouraged to further their musical studies and to participate in local and regional orchestras.

Music Appreciation (2710)**5 Credits**

Grades 9,10,11,12

This course introduces and acquaints listeners with all aspects of music including outstanding composers, the different styles of music created, how music is performed, and great performers and conductors of the past and present. The class develops skills necessary for an intelligent listener such as score reading and recognition of instruments to develop musical discrimination, taste, and appreciation.

Music Theory I (2711)**5 Credits**

Grades 10,11,12

Prerequisite: Successful completion of Music Appreciation

The course is designed to meet the needs of the students who have an interest in music as a vocation or avocation. Theory, four-part writing, ear training, musical form, keyboard harmony, simple composition and elementary orchestration are taught simultaneously. Upon completion of the course the students will have in their grasp the basic essentials for a career in music.

Music Theory II (2712)**5 Credits**

Grades 11,12

Prerequisite: Successful completion of Music Theory I

This course is a continuation and more in-depth study of concepts presented in Music Theory I.

Theatre Arts (2138)**5 Credits**

Grades 10,11,12

Also may be used as an English Elective

The purpose of the course is to develop an appreciation of the art of the theatre. The following units of study are included: theatre organization, play analysis, dramatic literature, history of the theatre, acting (pantomime, movement, voice, diction, oral interpretation, and evaluation of performance), technical production (set design and execution, lighting, costuming, make-up, properties, and sound effects), and some elementary directing. The course goals are directed at creating an educated audience and developing the special career interest of students. A performance oriented course, Theatre Arts requires frequent student participation.

ADVANCED PLACEMENT COURSES:

AP Studio Art (1731)

Grade 12

5 Credits

Prerequisite: Two years HS Art Instruction
Portfolio and Recommendation by HS Art Instructor

This intensive one-year course is designed for students with interest in a rigorous, practical experience in art equivalent to that of an introductory college course in studio art foundation. Students will be engaged in a sustained investigation of all three aspects of portfolio development-quality of work, concentration on a particular visual problem and breadth of experience in formal, technical and expressive means. Students will develop a body of work that demonstrates a range of abilities and versatility with technique, problem solving and creativity. Studio Art is not based on a written exam; instead, students submit portfolios to the College Board for evaluation in May of each year. Students may choose to develop mastery in the knowledge and skills of either drawing, 2-D design or 3-D design.

MATHEMATICS DEPARTMENT

All students must pass three years of mathematics and pass the mathematics section of the HSPA in order to be eligible for graduation. All courses are aligned to the New Jersey Core Curriculum Content Standards (NJCCCS) for mathematics and focus on the mastery of all standards. All courses integrate HSPA preparation and the SAT Online Program as part of the curriculum. Incoming freshmen may select math courses based on standardized test scores, previous math performance, and recommendations of grade eight math teachers and counselors. Incoming freshmen must choose Algebra or Geometry to meet the graduation requirement. Geometry Honors and Algebra II Honors may be taken simultaneously with Math supervisor approval and an "A" for the final grade in Algebra I Honors.

Algebra I – General Studies (3309)

Grade 9,10,11

5 Credits

This course is designed to integrate a basic understanding of fundamental algebraic ideas and their applications. Students will reinforce basic concepts of Algebra (integers, polynomials, sets, linear equations). This course will prepare students for HSPA as well as assist students to solve verbal problems and apply algebraic techniques to problems with real life applications.

Algebra I – Honors (1301), College Prep (2302)

Grades 9,10,11,12

5 Credits

Algebra I is designed for the college preparatory student. In this course, the basic principles of algebraic reasoning are presented. Once the student has mastered the computational skills of algebra, we try to instill an appreciation of logical reasoning and analysis by presenting the students with a method for solving verbal problems by algebraic techniques and applying these techniques to problems of the real world.

Geometry – General Studies (3315)

Grade 10,11,12

5 Credits

Prerequisite: Fundamentals of Algebra I or Algebra I CP

This course is designed to convey an understanding of the deductive reasoning process and be exposed to proof format at all levels – formal, paragraph, and indirect. The students will work with key concepts in geometry and will be expected to integrate their understanding of basic algebraic concepts to geometric relationships. This course will also serve to prepare students for HSPA in content area.

Geometry – Honors (1311), College Prep (2312)

Grades 9,10,11,12

5 Credits

Prerequisite: For Geometry CP - Algebra I CP or B+ in Algebra I GS with Supervisor Approval
For Geometry Honors –C in Algebra I Honors or B+ in Algebra I CP with Supervisor Approval

The main objectives of the course are to convey an understanding of the deductive reasoning process, to develop an ability to conduct deductive proof, and to obtain information about the geometric concepts of point, line, and plane in both two and three dimension. Three-dimensional ideas are developed as an integral part of the course. Elements of coordinate geometry and geometric aspects of trigonometry are also presented. In the College Prep course there is less of an emphasis on three-dimensional and proof than in the Honors course. Algebraic concepts will be reinforced as various solutions will require algebraic solutions.

Algebra II - College Prep (2306)

Grades 11,12

5 Credits

Prerequisite: Algebra I CP and Geometry CP or B+ in Algebra I GS and B+ in Geometry GS
with Supervisor Approval

This course reviews some of the basic concepts from Algebra I with particular emphasis on linear and quadratic systems in one and two variables. Some practical applications to the physical science are stressed. This course is not to be taken concurrently with Geometry.

Algebra II – Honors (1305)

Grades 10, 11, 12

Prerequisite: C in Geometry Honors and C in Algebra I Honors or B+ in Geometry CP and Algebra I CP with Supervisor Approval

5 Credits

This course is designed for the above-average math student who has exhibited a marked proficiency in math during the first and second years. The course differs from Algebra II in that the concepts from Algebra are integrated with trigonometry and students work with the trigonometric functions.

Fundamentals of Algebra II – College Prep (2316)

Grades 10, 11, 12

Prerequisite: Fundamentals of Geometry

5 Credits

This course reviews basic principles and builds on a fundamental understanding of algebraic concepts from the Algebra I curriculum. Linear and quadratic systems in one and two variables will be explored. Factoring will also be included as an important skill. This course is not to be taken concurrently with Geometry.

Elementary Functions and Analysis - College Prep (2322)

Grade 12

Prerequisite: Algebra I CP, Geometry CP, and C in Algebra II CP

5 Credits

This College Prep course is designed for the student who has successfully completed Algebra II and desires a fourth year of college-prep math. It is intended to unify all the math courses that have preceded it, and bridge the gap to calculus. Trigonometry is emphasized for approximately one-half the year; the other half of the year is devoted to elementary functions.

Statistics – Honors (1326)

Grades 11,12

Prerequisite: C in Algebra II/Trigonometry

5 Credits

Statistics with Probability is designed for the student who has successfully completed Algebra II/Trig and has decided not to continue in the direction of AP Calculus. This course will introduce the student to the methods used in applied statistics, both descriptive and inferential. The course will also make use of the concepts of probability. The student will gain insight into the preparation of statistical reports and will be better able to interpret the figures and meaning of statistics.

Pre-Calculus – Honors (1321)

Grades 11,12

Prerequisite: B in Algebra II/Trigonometry

5 Credits

Pre-Calculus is a course for the above-average math student who has shown a marked proficiency in the college-prep math curriculum during the first three years. The purpose of the course is to unify the mathematics covered in other courses and bridge the gap between algebra and calculus.

Calculus – Honors (1327)

Grade 12

Prerequisite: B in Pre-Calculus

5 Credits

Calculus is an honors course for students who have successfully completed Geometry, Algebra II/Trigonometry and Pre-Calculus, who are competent in mathematics and interested in furthering their mathematical studies but not at the rigor of an Advanced Placement level course. This course will include algebraic and transcendental functions, limits, derivatives, integrals, applications and the fundamental theorem of calculus.

Principles of Computer Science – Honors (1340)

Grades 9,10,11,12

Prerequisite: C in Algebra I (Honors); Geometry (may be concurrent)

5 Credits

This course is designed for entry-level students to work with the concepts of object-based programming. Topics will include, but are not be limited to, object-oriented programming, objects, data input/output, control constructs, strings, methods, classes and inheritance, Applets and GUI, arrays, classic programming paradigms and algorithms. An object-based programming language (JAVA/C++) will be used.

ADVANCED PLACEMENT COURSES

Advanced Placement Calculus (1320)

Grade 12

5 Credits

Prerequisite: B+ in Pre-Calculus
Letter of Intent required

This course will include algebraic and transcendental functions, limits, derivatives, integrals, applications, and the fundamental theorem of the calculus. The college the student attends may grant credit for this course. The awarding of such credit is based on the decision of the college.

Advanced Placement Computer Science (1343)

Grades 11,12

5 Credits

Prerequisite: B in Principles of Computer Science
Letter of Intent required

The major emphasis in AP Computer Science is on programming, methodology, algorithms, and data structures. Applications of computing provide the context in which these subjects are treated; applications are used to develop student awareness of the need for particular algorithms and data structures, as well as to provide topics for programming assignments to which students can apply their knowledge. Treatments of computer systems and the social implications of computing are integrated into the course and not isolated as separate units. All students admitted to the course are expected to take the Advanced Placement test. The college the student attends may grant credit for this course. The awarding of such credit is based on the decision of the college.

Advanced Placement Statistics (1328)

Grades 11,12

5 Credits

Prerequisite: B+ in Algebra II/Trig Honors or B+ in Pre-Calculus
Letter of Intent required

This course will introduce the student to the methods used in applied statistics, both descriptive and inferential. The course will also make use of the concepts of probability. The student will gain insight into the preparation of statistical reports and will be better able to interpret the figures and meaning of statistics. The college the student attends may grant credit for this course. The awarding of such credit is based on the decision of the college.

PHYSICAL EDUCATION

Comprehensive Health and Physical Education (2771 – Gr. 9, 2772 – Gr. 10, 2773 – Gr. 11, 2774 – Gr. 12)

Grades 9,10,11,12

5 Credits

The course meets five periods each week for three marking periods. The goal is to develop self-satisfaction through achievement and an attitude of life-time wellness. The student will experience a large variety of movement experiences in individual and team activities. Personal fitness concepts are taught and put into practice. CPR is an elective opportunity offered to upper classmen. Grading is determined by the student's achievement of course proficiencies.

Health Education (See above course numbers)

Grades 9,10,11,12

Each grade level has its own health education curriculum, which is implemented during one marking period of each year. The primary goal is for students to recognize the need for wellness over a lifetime. Areas studied include the structure and function of several body systems, career exploration of health fields, mental health, first aid, substance abuse, AIDS, character education, and many topics in the family life and sex education realm. Cardio-pulmonary resuscitation is an elective component of the program. There is an emphasis on the development of critical thinking and writing proficiency through class discussions and activities.

Driver Education (2777)

Grade 10

All sophomores are scheduled for the classroom course in driver education for one marking period. The goal of the course is for the students to acquire the knowledge necessary to make responsible driving decisions. It seeks to develop a safe driver's attitude by studying driver fitness, emotions and attitudes, substance abuse, traffic laws made by nature and human beings, and the purchase of insurance.

SCIENCE DEPARTMENT

Earth-Space Science - Honors (1381), College Prep (2382), General Studies (3383)

5 Credits

Grade 9

Earth Science explores the natural aspects of the Earth and its place in the Universe. Using a systems approach, this course introduces the four branches of Earth Science: Astronomy, Oceanography, Geology and Meteorology, while integrating physical science topics related to Earth Science. Classroom laboratory investigations, collecting, cataloging and interpreting, data, and drawing conclusions form an important portion of the course work.

Biology I – Honors (1361), College Prep (2362), General Studies (3364)

5 Credits

Grades 9,10

Prerequisite: For Honors: C in Earth-Space Science Honors or B+ in Grade 8 Algebra and Science
For College Prep: Earth Science CP or B+ in Earth Science G with supervisor approval

Biology I is the scientific study of all living things. The unity, diversity, continuity, and interdependency of living things will be closely examined. Laboratory activities form an important portion of this course.

Chemistry – Honors (1371), College Prep (2372)

5 Credits

Grades 10,11,12

Prerequisite: For Honors: C in both Bio H and Alg 1 H or B+ in Bio CP and B+ in Alg 1 CP with supervisor approval
For College Prep: Bio CP and Alg CP or B+ in Bio G and B+ in Alg 1 G with supervisor approval

This college-preparatory course is concerned with the study of matter, its transformation and the energy relationships invoked in these transformations. A sophisticated model of matter and its relation to energy will be developed. The course in Chemistry is designed to meet the needs of students planning to take advanced work in science, students needing a laboratory physical science for entrance into college and professional schools, and academic students desiring an understanding of the place of Chemistry in modern life. Laboratory activities and problem solving are emphasized.

Environmental Science – College Prep (2380)

5 Credits

Grades 11, 12

Prerequisite: Biology I

The principles addressed in this course will include local as well as global topics in environmental science, marine ecology and oceanography. The course focuses on real-world investigations of a variety of environmental concepts and concerns. Technology and hands-on experiences will be utilized to facilitate student learning.

Physical Science – College Prep (2384), General Studies (3393)

5 Credits

Grades 11,12

Prerequisite: Biology I

Physical Science is designed to provide students with a thorough and systematic understanding of the basic principles of physical science. The interdependence of Chemistry and Physics is explored with simple quantitative ideas in science being presented. Basic physical and chemical principles and applications of science are stressed. Class investigation stressing the collection and interpretation of data and the development of inquiry skills are an integral part of the course.

Physics – Honors (1375), College Prep (2376)

5 Credits

Grades 11,12

Prerequisite: For Honors: C in Chemistry Honors and Algebra II-Trig. (May be taken concurrently)
For College Prep: C in Chemistry CP and Algebra II (May be taken concurrently)

Physics is a college-preparatory course designed for students with an interest in understanding science. This course is the study of the interactions of matter and energy and the mathematical laws which govern their behavior. Laboratory activities and problem solving are emphasized.

Biology II (1363)

5 Credits

Grades 11,12

Prerequisite: C in Biology I Honors and Chemistry Honors or B in Biology CP and Chemistry CP

Biology II is a second-year biology course for students with an extended interest in science. The course stresses the unifying principles and concepts applicable to life at all levels of organization. The unifying themes of interaction of organisms and their environment, homeostasis and self-regulation, taxonomy, relationships among organisms, and the energy requirements for the maintenance of living systems are evolved throughout the program.

The development of science process thinking is emphasized during the laboratory studies of the course. Due to the laboratory program continuum, students may not elect both Biology II and AP Biology.

Nutrition and Food Science (2359)

Grades 10,11,12

5 Credits

Prerequisite: Biology I

This course is a study of the basic structures of food and related science principles. It will explore the link between food science and people's health. Students will study the complex structures of food, and how it connects to the way the body functions. It will explore Chemistry and Biology as well as certain physical laws that govern life. Food will be studied in an experimental format.

Authentic Science Research (1377)

Grades 10, 11, 12

5 Credits

Prerequisite: Acceptance into the program. See your Guidance Counselor for an application and details.

Authentic Science Research (ASR) is a three-year elective science course that affords students the ability to engage in original research. This course will present each essential component of the research paper. Students enrolled in ASR choose individual research topics which may lead to a junior summer internship. ASR culminates each year with a science symposium where students present their work to school and community members.

ADVANCED PLACEMENT COURSES**Advanced Placement Biology (1360)**

Grades 11,12

5 CreditsPrerequisite: B+ in Biology Honors and Chemistry Honors; Physics (May be taken concurrently)
Letter of Intent is required.

Advanced Placement Biology is a course offered to juniors and seniors following mastery of first-year high school courses in Chemistry, Biology (and Earth-Space Science, if elected). Physics, taken concurrently or prior to Advanced Placement Biology, is strongly recommended for the serious science student. The course is a rigorous continuation and intensification of the work begun in first-year Biology; the chemical molecular and cellular areas, the organismal areas, and the ecological, genetics and evolutionary areas of Biology will be stressed. Laboratory work, field trips and additional readings form a vital part of the program. Students electing the course are expected to take the Advanced Placement Test. The student may be able to receive college credit upon completion of the course. The awarding of such credit is based on the decision of the college.

Advanced Placement Chemistry (1370)

Grades 11,12

5 CreditsPrerequisite: B+ in Chemistry Honors; Physics (May be taken concurrently)
Letter of Intent is required

Advanced Placement Chemistry is a college preparatory course for students who have successfully completed Biology, Chemistry, and Physics, who are competent in mathematics, and who wish a college-level science course while attending high school. The course is a continuation and intensification of the work begun in first year Chemistry; physical principles of Chemistry will be the major area of study. Laboratory activities and problem solving are emphasized. Students taking this course are expected to take the Advanced Placement test. The student may be able to receive college credit upon completion of the course. The awarding of such credit is based on the decision of the college.

Advanced Placement Physics (1374)

Grade 12

5 CreditsPrerequisite: B+ in Chemistry Honors and Physics Honors
Letter of Intent is required

Advanced Placement Physics is a course offered to seniors who have successfully completed Biology, Chemistry, and first-year Physics and who are competent in mathematics. The course is a college-level science class. It is a continuation and intensification of the work begun in first-year physics. Laboratory work and mathematical applications are emphasized. Students taking this course are expected to take the Advanced Placement test. The student may be able to receive college credit upon completion of the course. The awarding of such credit is based on the decision of the college.

Advanced Placement Environmental Science (1378)

Grade 10,11,12

5 CreditsPrerequisite: B in Biology Honors, Chemistry (May be taken concurrently)
Letter of Intent is required

Advanced Placement Environmental Science is offered to students who have met the prerequisite, who are competent in mathematics, and who have an interest in environmental science. It is a college-level science class with a strong lab and field component. Students taking this course are expected to take the Advanced Placement test. The student may be able to receive college credit upon completion of the course. The awarding of such credit is based on the decision of the college.



Toms River Schools Poseidon Marine Sciences Academy

The Poseidon Academy is Toms River Regional Schools program for students interested in marine sciences and who are prepared for an academically challenging curriculum. The Academy will be technology-based with strong emphasis on hands-on field studies and research. Students will be prepared for further study at colleges and universities offering majors in both marine and environmental sciences.

Concentrated course offerings will allow students to successfully leave the Academy with a potential fulfillment of 50 science credits. Certificates of completion will be awarded at time of graduation.

The Poseidon Academy courses, with the exception of Honors Environmental Science, require acceptance into the program. An application and further details may be obtained from your guidance counselor.

Typical Course Sequence

Grade 9

Earth Science and/or Biology*

Grade 11

Chemistry or Physics* and Marine Science I

Grade 10

Biology or Chemistry* and AP Environmental Science

Grade 12

Marine Science II

**Indicates advanced approval to take these courses on a simultaneous basis.
Please refer to the Supervisor of Science and/or your guidance counselor.*

POSEIDON ACADEMY COURSES

Toms River School's Poseidon Academy courses, with the exception of Honors Environmental Science, require acceptance into the program. See your guidance counselor for an application and details.

Advanced Placement Environmental Science (1378)

Grade 10,11,12

5 Credits

Prerequisite: B in Biology Honors, Chemistry (May be taken concurrently)
Letter of Intent is required

Advanced Placement Environmental Science is offered to students who have met the prerequisite, who are competent in mathematics, and who have an interest in environmental science. It is a college-level science class with a strong lab and field component. Students taking this course are expected to take the Advanced Placement test. The student may be able to receive college credit upon completion of the course. The awarding of such credit is based on the decision of the college

Marine Science I – Honors (1390)

Grades: 11,12

10 Credits

Prerequisite: C in Chemistry Honors or B in Chemistry CP
(Chemistry may be taken concurrently with permission.)

Students will become scientifically literate, technologically advanced and environmentally aware citizens through this course. Marine Science I will emphasize physical, geological and chemical oceanography as well as the study of tides and coastline factors. Through the integration of technology and an extensive hands-on, field and lab-based research projects, students in the Marine Science I course will be empowered to pursue further academic study and research in the sciences.

Marine Science II – Honors (1391)

Grade 11,12

15 Credits

Prerequisite: B in Marine Science I or by Permission

Marine Science II will continue where Marine Science I left off. This course will emphasize the living marine environment with a focus on estuaries and marine organisms. Dissection and systems analysis will be included as well as visitation of marine systems and interaction with living species. Students in Marine Science II will be well prepared for post-secondary studies and research in the sciences.

SOCIAL STUDIES DEPARTMENT

Global World History – General Studies (3243)

5 Credits

Grade 9

In order to fulfill the high school graduation requirement, students must elect either Global World History or World Civilization. Global World History is a course designed to provide students with a basic understanding of various cultures of the world. Students will be given the opportunity to explore nations where people share common beliefs, social forms, behavior patterns, historical background and traditions. The influences and interaction of these cultures, as well as their effect on the United States and the rest of the world, will be a major focus of the course.

World Civilization – Honors (1201), College Prep (2202)

5 Credits

Grade 9

In order to fulfill the high school graduation requirement, students must elect either World Civilization or Global World History. World Civilization is a survey course which traces the growth of civilization from its beginnings to the present. One of the course's major concerns is to encourage students to develop an appreciation for the contributions and accomplishments of various peoples of the world to the development of civilization. This course is recommended for college-bound students.

Twentieth Century World History – Honors (1211), College Prep (2212)

5 Credits

Grades 11,12

Prerequisite: C in World Civilization

This is an elective course open to juniors and seniors. It is designed to study the significant events of the Twentieth Century. Students will be given the opportunity to explore the political, social and economic forces shaping events such as the Great War, the Depression, World War II, the Cold War, and the emergence of Third World nations. Contemporary problems in the Middle East, Africa, Asia and Latin America will be studied.

World Affairs – Honors (1241)

5 Credits

Grades 11,12

This is a course open to juniors and seniors who have a strong interest in world affairs and who have shown, through past performance in social studies and in English, the ability to read with comprehension and to interpret and analyze material. Those enrolled in World Affairs must be willing to assume the responsibility of independent study. The examination of the historical background to current events is an essential part of the course. Topics that are emphasized include among others: the evolution of democratic thought, the regional cultural patterns and American foreign policy in relation to world powers as well as smaller, impact nations.

Human Growth and Socialization – College Prep (2242)

5 Credits

Grades 11,12

This course is an elective open to juniors and seniors. The students will examine the significant factors which serve to develop and influence personality structure. There is a great deal of emphasis on the psychological and sociological dynamics involved in the development of the personality. The social sciences studied share a common concern with the development of a person. This course is designed with all students in mind. Everyone either college bound or vocationally oriented will benefit from it. You will discover more about yourself and your role in society.

Community Action – College Prep (2247 – 5 Credit Course, 2246 – 10 Credit Course)

5-10 Credits

Grade 12

Prerequisite: Application Required

Community-Action offers an opportunity for students to learn and grow beyond the experiences normally available in the classroom setting. This course will be open to students anxious to provide a service to the community on a volunteer basis. Participants in the program will be scheduled to attend a Community-Action internship three times a week. Students will be given release time from school to complete this community internship. Students will be under the direction and supervision of the school. In addition, students will develop skills that will enhance their pathways into the world of career development.

American History I – Honors (1221), College Prep (2222), General Studies (3223)

5 Credits

Grade 10

American History I is a survey course covering the Colonial Period to 1900. Major emphasis will be placed on the development of government, as well as the cultural, economic, and social factors which have influenced the growth of our country.

American History I – Advanced Honors (1220)

Grade 10

5 Credits

Prerequisite: B in World Civilization Honors and B in English I Honors
Letter of Intent

American History I is a survey course covering the Colonial Period to 1900. Major emphasis will be placed on the development of government, as well as, the cultural, economic, and social factors which have influenced the growth of our country. Students are expected to become proficient in research techniques, analyzing primary sources, and developing evaluating skills. Their knowledge should be expressed in good English. Students who take this course are preparing to take Advance Placement History the following year.

American History II – Honors (1231), College Prep (2232), General Studies (3233)

Grade 11

5 Credits

American History II includes the study of American History from 1900 to the present, the study of the American economy and current economic issues, and the study of government and current political issues.

Political and Legal Education – College Prep (2245)

Grade 12

5 Credits

Prerequisite: Selection made by History Department
Application Required

Political and Legal Education is an elective course for seniors designed to provide students with experiences in the political and governmental process. The program stresses both the acquisition of knowledge and the participation of students in governmental process at the local, county and federal levels. Some evenings and weekends are required.

ADVANCED PLACEMENT COURSES

Advanced Placement United States History (1230)

Grade 11

Prerequisite: Successful completion of American History I Advanced Honors or an A in American History I Honors
Letter of Intent required

5 Credits

Advanced Placement History is a two-year program of the social, political and economical aspects of American civilization. The students are expected to become proficient in research techniques, analyzing primary sources, and developing evaluating skills. Their knowledge should be expressed in good English. Students taking this course are expected to take the Advanced Placement Test. The student may be able to receive college credit upon completion of the course. The awarding of such credit is based on the decision of the college.

Advanced Placement United States Government and Politics (1251)

Grade 11,12

Prerequisite: B in English II and/or English III and B in American History I and/or American History II
Letter of Intent required

5 Credits

Advanced Placement U.S. Government and Politics is a one year program with an analytical perspective on government and politics in the United States. This course will be used to interpret U.S. politics and the analysis of specific examples. It also requires familiarity with various institutions, groups, beliefs, and ideas that constitute U.S. politics. Students taking this course are expected to take the Advanced Placement Test. The student may be able to receive college credit upon completion of the course. The awarding of such credit is based on the decision of the college. This course does not fulfill the state requirement for American History II.

Toms River Regional School District
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TECHNOLOGY AND CAREER EDUCATION DEPARTMENT

HALF-YEAR COURSES

Microsoft Computer Applications and the Internet (2551)

Grades 9,10,11,12

2.5 Credits

Semester 1

Technology changes rapidly in an educational and business environment. As a result, Microsoft Office Professional software has become widely used. The purpose of this course is to provide students with instruction in the following; Word, Excel, and PowerPoint. In addition, students will develop expertise with Internet access including the World Wide Web.

Career Exploration (2503)

Grades 9,10,11,12

2.5 Credits

Semester 1

This course is designed to assist students in setting educational and occupational goals through assessment of interests and values. Within this framework, the following will be addressed: oral and written communications skills, interviewing skills, job application process, careers resources, and resumes.

Personal Finance (2504)

Grades 9,10,11,12

2.5 Credits

Semester 2

This course will prepare students to apply economic concepts and decision-making skills to the use of money, credit, investment opportunities, insurance, tax preparation, checking and savings accounts, and maintaining a budget. Activities will include using the Internet and spreadsheet software.

Internet Literacy (2505)

Grades 9,10,11,12

2.5 Credits

Semester 2

This course will educate students in the development of information literacy skills necessary for success in the Information Age. Major topics will include web site evaluation, Internet etiquette and acceptable use, safety guidelines, effective searching techniques, copyright, fair use and plagiarism.

Web Page Design (2506)

Grades 9,10,11,12

2.5 Credits

Semester 1

This course will educate students on web design theory including web etiquette. Students will develop dynamic content driven websites. In addition, students will maintain portfolios documenting their projects and showcase their work in classroom presentations. The students will utilize the Internet and develop an understanding of industry-standard software.

Multimedia (2663)

Grades 9,10,11,12

2.5 Credits

Semester 2

This course is designed to prepare and assist students with current applications and techniques in the design, development and production of content rich multimedia and graphic projects.

FULL-YEAR COURSES

Principles of Law (2545)

Grades 9,10,11,12

5 Credits

This course introduces students both to the general principles of law and to those aspects of legal regulations of special importance to the business community.

Principles of Accounting (2501)

Grades 9,10,11,12

5 Credits

The purpose of this course is to prepare students for initial jobs in the area of accounting, to learn how to keep records of small businesses or professional offices, and to provide an understanding of business operations essential to the accounting process.

Marketing I (2531)

Grades 9,10,11,12

5 Credits

The main objective of this course is to increase student awareness of career opportunities in the field of selling and marketing occupations. Course content includes basic marketing concepts, marketing careers, marketing trends, and computer technology in marketing occupations. Students are also introduced to the operation of the school store and are required to fulfill a responsibility related to the store operation where applicable. Students will use the Internet and World Wide Web to obtain an understanding of its impact upon marketing and business activities.

Marketing II (2532)

Grade 10, 11, 12

5 Credits

Prerequisite: Marketing I

This course prepares students with the skills required for marketing and selling occupations. Course content includes computer applications related to the marketing process, career opportunities, marketing practices, marketing math, the job application process, and interviewing. In addition, specific skills related to selling, advertising, displaying merchandise, and computerized cash register operation are emphasized. Participation in activities and responsibilities related to school store operations are strongly encouraged where applicable. Students will use the Internet and World Wide Web to obtain an understanding of its impact upon marketing and business activities.

Engineering and Design Technology (2664)

Grades 9,10,11,12

5 Credits

Technology is the application of knowledge to satisfy human needs and wants, and to extend human capabilities. In this course students are introduced to a wide range of technologies, including: robotics; plastics and composite technology; industrial technology; electricity and electronics; energy power, and transportation technology; computer-aided drafting and design (CAD); architectural structures; tools and machines; computer numerical control (CNC); hydraulics and pneumatics; and mechanisms. Students employ the same problem-solving processes used in industry and other technological endeavors to produce product, develop and maintain systems, pioneer new techniques, and perform complex tasks.

Television Production (2655)

Grade 11, 12

5 Credits

Application Required

The Toms River Schools TeleCenter is a state-of-the-art television production facility located at High School East and available to students at all high schools. The TeleCenter includes a TV studio, a fully equipped control room, an editing suite for sound and video, and a "green room." In addition, a remote production van allows the TeleCenter to go on location for special events and sports coverage. The TeleCenter is also linked by satellite to the Cable News Network (CNN), which provides both news and educational services for inclusion in student productions. Television Production is an academic and hands-on studio course, which develops skills in the field of television communication. Specific areas of instruction include: the TV camera, video tape recording, the video switcher, computer applications, writing for TV, editing, directing, sound, and lighting.

Broadcast Journalism (2142)

Grade 12

5 Credits

Prerequisite: Television Production - Application Required

Broadcast Journalism builds upon the skills developed in Television Production and provides students with the opportunity to develop advanced skills in the field of broadcast journalism. Concepts in this hands-on course are developed primarily through experience. Working in the TeleCenter, students produce a weekly news show for broadcast on our own cable access channel TV-21 and participate in all areas of production, both as talent and as technicians. In addition, students compose the production teams that participate in a variety of TV-21 programs covering sports, concerts, special events, entertainment programs, and documentaries.

Introduction to Computer Graphics and Design (2635)

Grades 9,10,11,12

5 Credits

The purpose of this course is to prepare students with the fundamentals of graphics and design in a world of new and emerging technologies. The course builds on traditional drawing techniques, with emphasis placed on use of computers for individual problem-solving and design activities. Areas of instruction include freehand sketching, computer-assisted drafting (CAD), two-dimensional and three-dimensional drafting, parametric design, geometric solids, shading and rendering, architecture and interior design, lettering, layout and design, electronic painting and color mixing, animation, advertising and package design, and image scanning. It is recommended that students either have completed a keyboarding course or be enrolled in a keyboarding course concurrently.

Advanced Computer Graphics and Design (2636)

Grades 10,11,12

5 Credits

Prerequisite: Introduction to Computer Graphics and Design

This Course reinforces the skills developed in introduction to Computer Graphics and Design and provides for intensive skill development in computer-aided drafting and design (CAD). Students will complete activity projects and develop proficiency in areas which include the following: architecture, mechanical engineering, civil engineering, graphic design/computer-assisted manufacturing (CAD/CAM), Naval architecture, aeronautical design, presentation graphics, topography, cartography, facilities management, model construction, animation, package design, and advertising.

Introduction to Architectural Design (2637)

Grades 10,11,12

5 Credits

Prerequisite: Introduction to Computer Graphics and Design

The major goal of this course is to acquire proficiency needed to assemble, analyze, develop, and communicate architectural concepts through a wide range of media, including traditional and computer-assisted drawings for residential and commercial structures, model construction, and both written and verbal presentations. Students develop proficiency in the following skills areas: house plans, renderings, construction materials, building techniques, environmental factors, regulatory factors, design, model construction, and portfolio preparation which includes creative architectural photography and CAD applications.

Creative Design Studio (2638)

Grades 10,11,12

5 Credits

Prerequisite: Introduction to Computer Graphics and Design

Creative Design Studio focuses on both architecture and product design. The architecture component integrates problem-solving and design theory with skill development for professional practice. By means of sketches, drawings, CAD applications, and model construction, students plan, design, and detail interior and exterior space. The product design component provides opportunities to design functional products that fulfill specific needs and which make wise use of available materials. Instruction is based on the principle that expert craftsmanship and imaginative conceptual thinking are vital to successful designs, sketches, renderings, traditional and contemporary illustrations, and model construction.

Interior and Fashion Design Technology (2631)

Grades 9, 10, 11, 12

5 Credits

The primary goal of this course is to introduce students to the latest technologies on designing home systems and interiors that operate and respond to the working family. Topics include home security, energy, entertainment, and communication as components of the interior design process. Using computer assisted design software, students modify an ordinary house to include smart house features and participate in interior home design activities. Additional interior design applications are related to the use of commercial spaces. Instruction also reflects the use of new technologies, high tech fibers, and finishes in fashion design and clothing construction.

Cooperative Education (2547)

Grade 12

15 Credits

Application Required

Senior students must apply to the coordinator for acceptance to this course, which allows students to participate in a cooperative work experience program. Students must take the related class as well as be placed in a job. Students must work no less than fifteen hours per week and are paid at least the minimum wage.

WORLD LANGUAGE DEPARTMENT

The World Language Department offers a five-year program in the study of Spanish. French V and German V are available ONLY to transfer students who have successfully completed level IV prior to entry. Levels IV and V may be combined depending on class enrollments. The program emphasizes communication, and the practices, perspectives and products of other cultures.

French I Honors (1411) College Prep (2412), German I Honors (1471) College Prep (2472) Grades 9, 10, 11, 12

5 Credits

Spanish I Honors (1441) College Prep – Grade 9 (2442), Grade 10, 11 and 12 (2443)

In this introductory level of a world language the student will develop listening, speaking, reading and writing skills that will foster real-life communication. The culture of the specified language is embedded within the course materials. This course is part of the foundation for further study in the language and fulfills the high school graduation requirement.

French II Honors (1421) College Prep (2422), German II Honors (1481) College Prep (2482), Spanish II Honors (1451) College Prep (2452)
Grades 9,10,11,12

5 Credits
Prerequisite: Level I

In order to succeed at the second level, students should have a strong foundation from their level one experience. The second level language courses are a continuation of the foundation for further study of the language. The focus of this class is on communication. Completion of these foundation courses should prepare the students for additional study and travel.

French III (1425), German III (1490), Spanish III Honors (1461) College Prep (2462)
Grades 10, 11, 12

5 Credits
Prerequisite for French III & German III: C in Level II Honors, B in Level II CP
Prerequisite for Spanish III: C in Level II Honors, C in Level II CP

The Level III course is the beginning of the intermediate level of language learning. The foundation of proficiency, developed in Levels I and II, is expanded to more complex idioms, conversation, reading selections and writing. Grammar will be taught as it supports communication. Cultural topics are presented in an authentic framework. Audio and video materials supplement the curriculum to give the students a realistic view of the world of the language being studied. This is an important course for refining the four skills of listening, speaking, reading and writing through the modes of communication and in preparation for more advanced study in the language.

French IV (1430), German IV (1495), Spanish IV (1465)
Grades 11,12

5 Credits
Prerequisite: C in Level III or C in Heritage Spanish II for Spanish IV

At this level the student should be able to function in the language in a spontaneous manner. Everyday topics about home, school and life in general are discussed in the language. A generalized history of the target culture is studied. This includes political occurrences, art, music, philosophy and science. Students are expected to be able to develop monologues, dialogues and critiques about materials they have studied. Some attention is given to preparation for College Board subject (SAT II) tests, and other forms of achievement measurement.

Spanish V (1467)
Grade 12

5 Credits
Prerequisite: C in Level IV

The classes at this level are usually a small group. This is the extra year of language for those who began their studies in the accelerated 8th grade program. The expectation at this level of learning is that the student can function comfortably in everyday situations and specific academic modes in the language being studied. Literature and other authentic materials are examined. Students are expected to compose language projects in speaking and writing at a more advanced level. The small group nature of these classes gives a very intense language experience to those who participate.

Heritage Spanish I Honors (1469) CP (2466), Heritage Spanish II Honors (1470) CP (2468)
Grades 9,10,11,12 (Heritage Spanish I) and Grades 10, 11, 12 (Heritage Spanish II)

5 Credits
Prerequisite: Students should be able to sustain a conversation in Spanish and be able to write a short paragraph in Spanish. Application Required.

This course is for students who are native or heritage speakers of the language whose first language is Spanish or who hear or may use Spanish at home. The course prepares the students to communicate proficiently both in verbal and written forms. The coursework focuses on the cultural contributions of different Spanish-speaking countries. Music, art, literature, and history of the different regions will be explored. This course is a two-year sequence; students who opt to take the course for two years may not skip a year and return to the sequence. Upon successful completion of this two-year sequence, students may continue their studies in Spanish IV.

OCEAN COUNTY VOCATIONAL TECHNICAL SCHOOL

Grades 11 and 12

15 or 10 Credits

Students attending the Ocean County Vocational Technical School are typically juniors and seniors who wish to continue their education in a college or post-secondary technical institution, or to pursue a career major related to job placement. The students attend home school for half a day, and then are transported to their vocational school center (Brick, Ocean, Jackson, Lakehurst, or Toms River) for the remainder of the day. Students maintain full status with their home school where they pursue academic courses, take part in sports and other co-curricular activities, and graduate. Upon graduation, students receive both a high school diploma and a certificate of completion from the Ocean County Vocational Technical School. In addition, students receive state and national certifications. **Many vocational/technical programs have Tech Prep agreements where students can earn between three and twenty college credits while still in high school.**

Applications and **OCVTS Course Guides** with complete course descriptions may be obtained from the guidance office. The decision of acceptance is made solely by the Ocean County Vocational Technical School and is based on space availability, the student's grades, results of placement examinations, and record of attendance.

COURSE OFFERINGS 2009-2010

- A+ Certification* **(2814)**
- Architectural/Engineering Design - **Tech Prep (2824)**
- Agricultural & Environmental Sciences **(2839)**
- Audio for Electronic Media - **Tech Prep (2804)**
- Automotive & Diesel Engine Technology **(2833)**
- Automotive Technology - **Tech Prep (2806)**
- Aviation Aerospace Technology - **Tech Prep (2807)**
- Building Construction Technology **(2812)**
- Child Care Professions - **Tech Prep (2817)**
- Collision Repair **(2805)**
- Computer Science - **Tech Prep (2810)**
- Computer Service Repair* **(2826)**
- Cooperative Vocational Education - CIE **(2818)**
- Cosmetology - **Tech Prep (2809)**
- Culinary Arts - **Tech Prep (2837)**
- Custom Cabinetmaking **(2815)**
- Dental Assisting* **(2823)**
- Electrical Trades **(2827)**
- Electrical Trades/Integrated Cabling Technology **(2828)**
- Fashion Merchandising/Design - **Tech Prep (2834)**
- Graphic Design Technology - **Tech Prep (2820)**
- Heating, Ventilation, Air Conditioning and Refrigeration (HVAC-R) **(2801)**
- Health and Fitness Technology - **Tech Prep (2863)**
- Law and Public Safety - **Tech Prep (2845)**
- Marine Trades **(2841)**
- Medical Assistant - **Tech Prep (2843)**
- Medical Skills and Related Health Careers **(2846)**
- Motorsports Technology **(2855)**
- Welding **(2861)**

****One-Year Program Only***

GRADUATION REQUIREMENTS SUMMARY

I. Credit Hours

A minimum of 110 credit hours is required for graduation.

II. Curriculum Requirements

Student's year of Entry: Grade 9	Sept. 2004	Sept. 2005	Sept. 2006	Sept. 2007	Sept. 2008	Sept. 2009
Language Arts Literacy	20	20	20	20	20	20
Math	15	15	15	15	15	15
Science	15	15	15	15	15	15
Social Studies (Including 2 courses in US History per N.J.S.A. 18A:35)	15	15	15	15	15	15
Health and PE	3.75 per year	3.75 per year	3.75 per year	3.75 per year	3.75 per year	3.75 per year
Technology	Technological Literacy, consistent with the Core Curriculum Content Standards, must be integrated throughout the curriculum.					
Visual and Performing Arts (Art, Music, Theater, Dance)	5	5	5	5	5	5
Career Education and Consumer, Family, and Life Skills (Practical Arts)	5	5	5	5	5	5
World Languages	5	5	5	5	5	5
Electives taken from CCCS areas	15	15	15	15	15	15
Total Number of Required Credits	110	110	110	110	110	110

A. All students must carry a minimum of 30 credits per year.

In addition to the above-listed curricular requirements, a student must successfully pass the Grade 11 New Jersey High School Proficiency Assessment (HSPA) in Reading/Writing, and Mathematics.

B. When selecting your courses, please refer to the Pupil Eligibility Athletic and Other Co-Curricular Activities Policy listed below:

Fall Sports: Seniors, Juniors, and Sophomores must pass 27.5 credits previous school year including summer school. All freshman are eligible.

Winter Sports: Seniors, Juniors, and Sophomores must pass 27.5 credits previous school year including summer school. All freshman are eligible.

Spring Sports: ALL Students must pass 27.5 credits (an average of the 1st and 2nd marking periods). Seniors taking less than 27.5 credits must be passing all courses in which they have enrolled.

C. The Proficiency requirements for all courses will be set forth in writing and will be distributed to students and parents at the start of all courses.

D. Students may receive up to 2-1/2 credits for Independent Study according to the Independent Study Administrative procedures.

E. Students may avail themselves to the Early Admission Program of the Board of Education. (See Policy 6146)

F. The Board shall adopt the Ocean County Vocational Technical Schools Comprehensive Academic Documentation Package identifying mathematics and science competencies within the vocational program.

III. Promotion (Policy 6146.2)

A high school student will be allowed to move to the next grade with his/her class regardless of the number of credits accumulated but may not graduate unless all graduation requirements are met.

IV. High School Proficiency Assessment and Remediation Services

- A. Prior to graduation from high school, all students must demonstrate a minimum level of pupil proficiency (Proficient or Advanced Proficient) on the State-mandated High School Proficiency Assessment (HSPA) in Reading/ Writing, and Mathematics.
- B. All students will be administered the HSPA examinations. Passage of these examinations is a pre-requisite to graduation.
- C. Pupils who perform below State levels of pupil proficiency on one or more areas of the HSPA shall be placed in the HSPA Preparation Class. Here they will be provided opportunities to demonstrate mastery.
- D. Students who perform below State-mandated minimum levels of pupil proficiency on one or more areas of the State-mandated HSPA shall be provided with an individual comprehensive assessment. A Special Review Assessment (SRA) will be administered during the HSPA Preparation Class. During the Special Review Assessment (SRA):
 - 1. A special review panel will further assess the student's level of competency. The review panel, made up of three teaching staff members, makes a recommendation based on criteria for graduation.
 - 2. The recommendation of this panel must be certified by the building principal, district superintendent and county superintendent before the local Board may award a State-endorsed diploma.
 - 3. Parents may appeal the decision of the Board and the review panel that their child has not met the minimum graduation requirements through the regular review process.

V. Special Education Pupils

In order to graduate, pupils with educational disabilities must meet all the graduation requirements established by the State Board, including minimum proficiency levels on the HSPA, curriculum requirements, and attendance standards, unless the pupil's individualized education program (IEP) exempts the pupil from the requirements.

A pupil with educational disabilities may be exempted from passing the HSPA and curricular requirements if the IEP sets goals and objectives that do not include the range of HSPA skills and curricular requirements. A pupil may be exempted from taking the HSPA if the IEP establishes that the pupil has not been instructed in any of the knowledge and skills tested and that the student would not be able to complete any of the types of tasks on the HSPA. An IEP that does not include the proficiencies measured by the HSPA and the curriculum generally required for graduation must include a rationale for the exemptions and alternate proficiency assessment required for the pupil's graduation.

A pupil with educational disabilities who has not been exempted from the HSPA proficiencies and has performed below the State minimum levels of proficiency in one or more areas on the HSPA shall participate in the special review assessment.

VI. Attendance

The Board of Education has adopted an attendance policy (5113). This policy shall govern the attendance requirements necessary to accumulate credits toward graduation.

State Graduation Requirements Schedule

<u>Subject Area</u>	<u>Credits</u>
English	20
PE/Health	20
Science	15
Mathematics	15
Social Studies	15
10 credits must be American History	
World Language	5
Visual and Performing Arts	5
Career and Consumer	5
Family and Life Skills	
Electives	10

Students should refer to "Graduation Requirements Policy" to prepare a tentative course plan for all four years of high school. Pupil eligibility policy mandates that a student be passing a minimum of 6 courses (30 credits) in order to maintain eligibility.

Suggested College-Bound Schedule

<u>Subject Area</u>	<u>Credits</u>
English *	20
Science *	20
Mathematics *	20
Social Studies *	20
10 credits must be American History	
World Language *	15
Visual and Performing Arts	5
PE/Health	20
Career and Consumer	5
Family and Life Skills	
Electives	20

* These courses typically fill the required academic units for college.

NOTES:

STUDENT SCHEDULE WORKSHEET

2009 – 2010 SCHOOL YEAR

Grade 9

<u>Subject Area</u>	<u>Course Title</u>	<u>Credits</u>
1. English	_____	5
2. Phys. Ed/Hlth	_____	5
3. Science	_____	5
4. Social Studies	_____	5
5. Mathematics	_____	5
6. World Language	_____	5
7. Elective	_____	
8. Lunch		
Total Credits		_____

Grade 10

<u>Subject Area</u>	<u>Course Title</u>	<u>Credits</u>
1. English	_____	5
2. Phys. Ed/Hlth	_____	5
3. Science	_____	5
4. History	_____	5
5. Mathematics	_____	5
6. World Language	_____	5
7. Elective	_____	
8. Lunch		
Total Credits		_____

Grade 11

<u>Subject Area</u>	<u>Course Title</u>	<u>Credits</u>
1. English	_____	5
2. Phys. Ed/Hlth	_____	5
3. Science	_____	5
4. History	_____	5
5. Mathematics	_____	5
6. World Language	_____	5
7. Elective	_____	
8. Lunch		
Total Credits		_____

Grade 12 *

Seniors must carry a minimum of 22 ½ credits.

<u>Subject Area</u>	<u>Course Title</u>	<u>Credits</u>
1. English	_____	5
2. Phys. Ed/Hlth	_____	5
3. Elective	_____	5
4. Elective	_____	5
5. Elective	_____	5
6. Elective	_____	5
7.	_____	
8. Lunch	_____	
Total Credits		_____

* College Admission Counselors (NOCAC) strongly suggest that grade 12 schedules mirror the strength of grade 11 schedules.