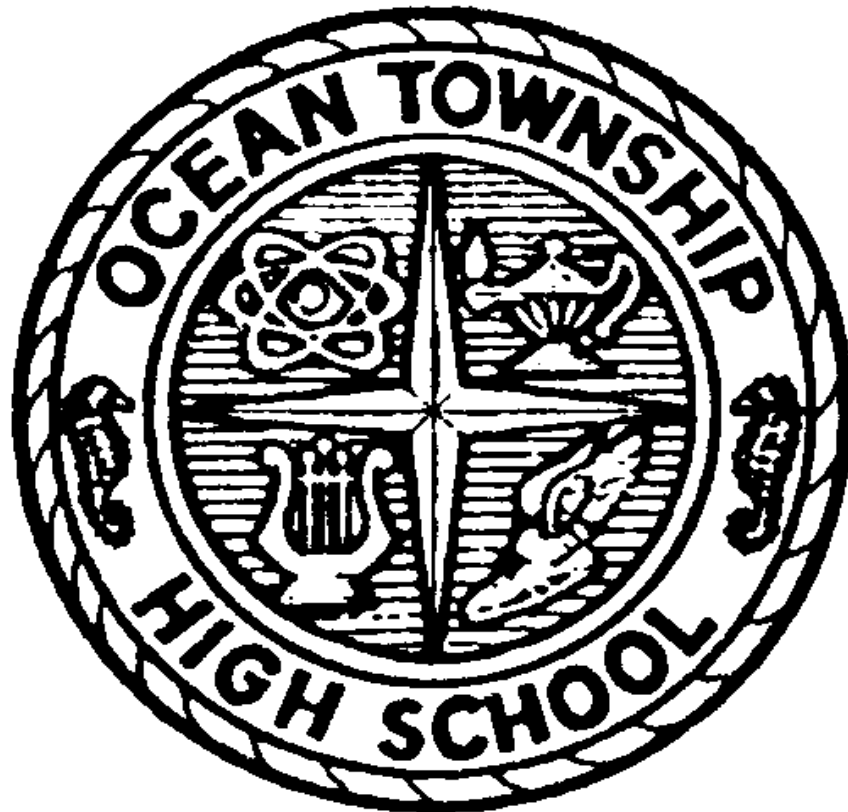


**OCEAN TOWNSHIP
HIGH SCHOOL
OAKHURST, NEW JERSEY**



PROGRAM OF STUDIES

**CURRICULUM GUIDE
2016-2017**

**OCEAN TOWNSHIP HIGH SCHOOL
OAKHURST, NEW JERSEY**

**2016-2017
PROGRAM OF STUDIES**

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Principal

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INTRODUCTION TO THE CURRICULUM GUIDE

This publication has been prepared to acquaint Ocean Township High School students and their parents with the many course offerings that are available at the high school. You are urged to read it carefully before making choices concerning your future program of study.

As you look through the pages that follow, examine them carefully and then select those subjects which are most appropriate for you to best meet your future goals, career choice, and personal happiness. Remember to carefully review past achievement, ability, interest, and motivation. When you create or adjust your four-year plan each year, select challenging courses that will fulfill graduation requirements and college admission and/or employer requirements. Academic supervisors will make placement level recommendations to your counselor in core subjects for next year.

In addition to taking the most rigorous courses you can handle and applying your best effort, we strongly encourage each student to become involved in one or more extra-curricular activities (athletics, clubs, service projects) every semester. Ongoing involvement in school activities from the beginning of freshman year will positively affect how you do in school, how you feel, and ultimately value your years at Ocean Township High School.

NOTE: Every effort is made to schedule all subjects selected by students; however, limitations of staff, student enrollment, building space, time, and budgetary considerations occasionally make either the cancellation of undersubscribed courses or the substitution of alternate course choices necessary. **Course changes may be requested, but not guaranteed, until March 31st. Student requests may not be honored after this date.**



Kathryn S. Miller, Director of School Counseling

COUNSELORS

	2019 Grade 10	2018 Grade 11	2017 Grade 12
Ms. Andrea Schweitzer aschweitzer@oceanschools.org	A - D	A-De	A-Del
Ms. Susan Henderson shenderson@oceanschools.org	E - La	Di-Le	Dem-K
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Mrs. Summer Kabourakis skabourakis@oceanschools.org	Class of 2020	Freshman Academy Counselor	

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NJ HIGH SCHOOL GRADUATION REQUIREMENTS

N.J. Department of Education Required Assessments	State approved assessments PARCC, PSAT, SAT, ASVAB, Accuplacer, ACT, Portfolio See table on next page for scores
English	20 credits (5 credits per year) Including: English I, II, III, and IV
Health & Physical Education	20 credits (5 credits per year)
Mathematics	15 credits Including Algebra I, Geometry <i>(OTHS recommends 20 credits)</i>
Science	15 credits Including three lab sciences <i>(OTHS recommends 20 credits)</i>
Social Studies	20 credits (5 credits per year) Including: World or European History, U.S. History I, II & III
World Languages	5 credits <i>(OTHS recommends 20 credits)</i>
21st Century Life & Careers	5 credits
Visual and Performing Arts	5 credits
Financial Literacy	2.5 credits
Electives	22.5 credits
Total number of required credits	130 credits

NJDOE APPROVE ASSESSMENT SCORES FOR GRADUATION REQUIREMENT

English Language Arts	Mathematics
PARCC ELA Grade 9 ≥ 750 (Level 4) <i>or</i>	PARCC Algebra I ≥ 750 (Level 4) <i>or</i>
PARCC ELA Grade 10 ≥ 750 (Level 4) <i>or</i>	PARCC Geometry ≥ 725 (Level 3) <i>or</i>
PARCC ELA Grade 11 ≥ 725 (Level 3) <i>or</i>	PARCC Algebra II ≥ 725 (Level 3) <i>or</i>
SAT Reading * ≥ 400 <i>or</i>	SAT Math * ≥ 400 <i>or</i>
ACT Reading or ACT PLAN Reading ≥ 16 <i>or</i>	ACT or ACT PLAN Math ≥ 16 <i>or</i>
Accuplacer Write Placer ≥ 6 <i>or</i>	Accuplacer Elementary Algebra ≥ 76 <i>or</i>
PSAT10 Reading or PSAT-NMSQT Reading ** = 40 <i>or</i>	PSAT10 Math or PSAT/NMSQT Math** ≥ 40 <i>or</i>
PSAT10 Reading or PSAT/NMSQT Reading*** ≥ 22 <i>or</i>	PSAT10 Math or PSAT/NMSQT Math*** ≥ 22 <i>or</i>
ACT Aspire Reading ≥ 422 <i>or</i>	ACT Aspire Math ≥ 422 <i>or</i>
ASVAB-AFQT Composite ≥ 31 <i>or</i>	ASVAB-AFQT Composite ≥ 31 <i>or</i>
Meet the Criteria of the NJDOE Portfolio Appeal	Meet the Criteria of the NJDOE Portfolio Appeal

Note: * SAT taken prior to March 2016; ** PSAT taken prior to October 2015. ***PSAT taken after October 2015. The College Board will establish new “threshold scores” in May 2016 for the new SAT.

GENERAL INFORMATION

GRADUATION REQUIREMENTS-CLASS OF 2020

Students must meet the following criteria in order to graduate from Ocean Township High School.

1. Each student must successfully complete a minimum of 130 credits.
2. Students must achieve proficiency on a state mandated assessment required for graduation.
3. Students must adhere to the Ocean Township High School attendance policy.
4. Students are grouped according to ability level in all the major academic areas and must carry 40 credits per year.
5. Each student must meet stated minimum proficiencies as locally established for each curriculum offering. Proficiencies are to be clearly delineated for the student and his/her parent(s) at the start of each course.

GRADE REPORTING AND RECOGNITION

The Board has adopted a numerical grade reporting system in which grades of seventy (70) to one hundred (100) are passing grades. While it is the primary purpose of a reporting system to accurately reflect student achievement and progress, the system is also intended to be motivational. The board, therefore, has established that the lowest grade to be placed on a report card shall be fifty-five (55). Grades from 61 to 69 will indicate failure with effort, and a numerical grade of 55 will indicate failure with no effort. A grade of 60 will indicate loss of credit due to the attendance policy.

NATIONAL HONOR SOCIETY

The National Honor Society Chapter of Ocean Township High School is a duly chartered and affiliated chapter of this prestigious national organization. Membership is open to eleventh grade students who meet the required standard in all four areas of evaluation: scholarship, character, leadership and service by January of their junior year. Standards for selection are established by the national office of NHS and have been revised to meet our local chapter. A Faculty Council, appointed by the principal, selects students for membership. Eligible students are invited to complete a Student Activity Information form and write an individual essay. A history of leadership experiences and participation in both school and community service over time is required. Once a student is eligible scholastically, (cumulative weighted numerical average of 95 without rounding) the selection process proceeds based on the NHS pillars of character, leadership and service. (Refer to Student Handbook for specific requirements.)

SPARTAN SCHOLAR PROGRAM

Students who meet the academic requirements (weighted numerical average of 95 without rounding) for any year in high school earn Spartan Scholarship recognition. All subjects are included in the calculations and recognition consideration is not on a cumulative average basis.

Therefore, it is possible for a student to receive an award one year or more up to four times. Award winners are recognized every October for the previous year. Graduating seniors who qualify for the award in their senior year are recognized in June.

- First Award - Varsity chenille "O"
- Second Award - Bronze Pin
- Third Award - Silver Pin
- Fourth Award - Gold Pin

PRINCIPAL'S COMMENDATION LIST

Students who earn an academic average of 93 or higher in all of their subjects will qualify for the Principal's Commendation List. This recognition is given at the end of each quarter.

CLASS RANK

Class rank is a number used to indicate the relative academic position of each student in the class. AP/Honors and Advanced courses are given a weighted value. The rank is then determined by calculating the cumulative weighted final grade average in all subjects. Courses taken in summer school are included in the rank. The class rank and Grade Point Average (GPA) are officially calculated at the end of the sixth semester and published at the beginning of senior year for inclusion with college applications. Weighted values: AP/Honors-1.14, Advanced-1.06, all other courses 1.0.

PROMOTION AND RETENTION

Before a student may be classified as to grade designation, the student must earn the following credits.

9 th grade (freshman) promotion from.....	8 th grade
10 th grade (sophomore).....	30 credits
11 th grade (junior).....	65 credits
12 th grade (senior).....	95 credits

Please note: OTHS is currently considering increasing the credit requirement for graduation.

ATHLETIC ELIGIBILITY

State – To be eligible for interscholastic athletic participation during the second semester of the ninth grade or higher, the student must have passed 15 credits during the preceding semester. The New Jersey State Interscholastic Athletic Association (NJSIAA) regulates eligibility of student athletes throughout the state. Refer to the student handbook for eligibility in Grades 10 through 12.

Local – Eligibility will be determined at the end of each marking period. Two or more failing grades with a numerical value of less than 70 in any subject will render a student ineligible for a minimum of one week.

PARTICIPATION IN COLLEGE ATHLETICS

Students who intend to participate in NCAA Division I or II athletics as a freshman must be certified by the NCAA Clearinghouse. Certain academic criteria in high school must be met in order to participate in college athletics at this level. Counselors can help determine whether or not initial eligibility standards apply. If standards do apply, an NCAA Clearinghouse application should be obtained from <http://eligibilitycenter.org>. Meeting minimum NCAA eligibility requirements will not guarantee admission into the college of choice. It is recommended that coaches and parents work with Counseling Services on strategies for college admissions.

COURSE RECOMMENDATIONS

Enrollment in core courses (English, Social Studies, Math, Science and World Language) is based on the departments' recommendation.

COURSE SELECTIONS

The pre-scheduling process occurs during the winter for the following school year. Desired elective courses are not guaranteed and are based on availability. Students select their elective courses online during the assigned times. Parents are responsible for reviewing their student's course selections via the parent portal on Power School during February. Course requests and teacher recommendations will all be viewable online only. **You must make sure that courses listed online as of March 31 reflect your choices. The course requests listed as of that date are considered final and will not be changed.** Availability of elective courses cannot be guaranteed as they are based on class enrollments, frequency of offering, and fulfillment of required courses.

Students and parents need to study the **Program of Studies** carefully prior to selecting electives online in order to become acquainted with the numerous courses available to students. Further information is available from the teacher of the subject, the department supervisor, or the school counselor.

SUMMER WORK

Some courses require summer work. Failure to complete a summer assignment may not result in your removal from the course. You may be expected to take the course and face a grade consequence for failure to submit the summer assignment.

SCHEDULE CHANGES

Staffing needs are determined on the basis of students' course requests as of March 31. Therefore, course selection changes cannot be assured after this date. COURSE SELECTIONS WILL BE CONSIDERED FINAL SINCE PROJECTED NEEDS FOR STAFFING, TEACHING MATERIALS AND EQUIPMENT, AS WELL AS BUILDING AVAILABILITY, WILL BE BASED ON THESE COURSE SELECTIONS. CHANGES ARE RARELY POSSIBLE.

LEVEL CHANGE

All requests for level changes must be submitted to the department supervisor prior to March 31, and submitted on the "Consideration for Level Change" form from your Guidance Counselor or on the school website. Before making this request please refer to the leveling matrices for each content area found on the school website.

STUDENT INITIATED CHANGES

Voluntary student initiated requests for course changes for the following year must occur prior to March 31 with a parental note, but cannot be guaranteed.

TEACHER INITIATED CHANGES

Prior to the end of the preceding school year, teachers may initiate schedule changes after assessing and evaluating a student's progress. The teacher may, in consulting with the supervisor and counselor, recommend a level change and will then notify the parents via telephone and/or in writing.

ADMINISTRATIVE INITIATED CHANGES

Schedules may be adjusted based on class size, enrollments, and for disciplinary reasons. Administrators may adjust a student's schedule if they have been inappropriately placed and/or have a schedule conflict.

COUNSELOR INITIATED CHANGES

Students who fail a subject from the previous year must repeat required subjects, e.g. English, History, Math, Science, Physical Education/Health and Driver's Education. Every effort is made to ensure that students are not reassigned to the same teacher. However, certain courses have constraints.

EDUCATIONAL PROGRAM PLANNING

1. A student's program should be determined on the basis of previous performance in the subject area selected, various related test results, career and/or educational goals, teacher recommendations, parental permission, and the approval of the counselor..
2. All students must register for forty credits per academic year.
3. Students selecting courses requiring departmental approval assume the responsibility of obtaining such approval prior to scheduling online.
4. Elective courses have limits on the number of students who may be accommodated. The screening of student requests will be made by the various departments and/or the school counseling department. When a course is oversubscribed, priority for enrollment is usually by seniority.
5. Electives chosen online are tentative until all academic prerequisites have been met.
6. The administration and the school counseling department can foresee almost no reason for a schedule change once the program has been approved by the parents and the school. Requests for changes after original choices are made and approved will be considered on an individual basis with a conference among the people concerned until March 31.
 - Valid reasons for requesting schedule changes in September are limited to correction of computer error, addition of a required course, addition of credits required by seniors for graduation, and adjustment for summer school completion. Students accept responsibility for course selection, by maintaining schedules without requests for changes, except as noted above. Therefore, **select courses carefully!**
7. Colleges use certain criteria in determining the admissibility of applicants. Students who are planning to continue their education at the college level should consider the following.
 - **High School Record** — This includes an evaluation of the number of academic units which a student has completed, the levels of the academic units, and the grades earned. All of this is combined to determine each student's grade point average and class rank.
 - **Testing Information** — This includes the SAT I: Reasoning Tests, SAT II: Subject Tests, and/or the American College Testing (ACT) program and possibly the Advanced Placement Examinations.
 - **Recommendations** — This includes recommendations submitted by the student's counselor and, when requested, classroom teachers.
 - **Non-Academic Activities** — This includes the number of activities, the level of involvement, and the projected contribution to the college in non-academic areas.

8. In the academic areas, there are many variations which a student may select. It should be noted that many colleges expect students to have completed at least 16 academic units in high school. Students should refer to requirements of their particular college. One academic unit refers to any five credit course in English, Social Studies, Mathematics, Biological and Physical Sciences, and World Languages.

9. **Advanced Placement Courses** — Ocean Township High School offers a wide variety of Advanced Placement courses in the various disciplines. Advanced Placement (AP) courses are college level courses offered to students who want to experience the rigors of college work, while still in high school. An outstanding academic record is considered a prerequisite for selection. Students must consult with their counselor prior to requesting placement in an AP course. All students who are selected and who take Advanced Placement courses are required to take the Advanced Placement Examinations in May. Completion of a summer assignment is expected for all AP courses. Instructions are available from the teacher in May. Assignments can be found on the high school website.

10. **Dual Enrollment Opportunities**

Monmouth University - M.O.D.E.L. Program (Monmouth University Ocean Township High School Dual Credit Program for Enriched Learning) – High achieving juniors and seniors enrolled in selected Advanced Placement courses may choose to participate in the M.O.D.E.L. Program. To enrich learning, students have the opportunity for dual enrollment at Monmouth University and Ocean Township High School. Courses are taken at Ocean Township High School and are taught by adjunct professors from Monmouth University. College credit is granted by the university to enrolled tuition students with a final average of 85 or higher. Students with a mid-year average less than 85 have the option of withdrawing from M.O.D.E.L. However, there will be no refund for the course.

Brookdale Community College – The Dual Enrollment Release Program allows qualified Ocean Township seniors to be released from high school for period 4 to take college-level courses at Brookdale Community College. The Dual Enrollment Release Program allows students to complete up to 12 Brookdale Community College credits during their senior year of high school.

11. The pattern of studies which you plan for yourself will help you to enjoy a successful and profitable high school career. It will determine how well you are prepared for college entrance and for obtaining and holding a job. Your pattern of studies will contribute to your day-to-day personal growth and happiness. Here are the steps that you should follow in planning your high school program.

- Establish personal goals. Even though they may be revised, you should have some specific educational, occupational, and personal objectives toward which you are working.
- Develop a strong working relationship with your school counselor. With your counselor, honestly evaluate your personal strengths, interests, aptitudes, and needs.
- Learn the requirements for entrance to the college or school of your choice or the kind of work you plan to do after graduation.

- During the eleventh grade, visit the colleges or vocational resources in which you are interested.
- Consult your parents, talk with your teachers and confer with your school counselor in order to benefit from their experience and the information that they can make available to you. Talk with citizens of the community who are currently working in the profession or vocation of your choice.
- Select the subjects which are to be included in your pattern of studies. Choose those which contribute most toward helping you achieve the goals that you have established.

FRESHMAN ACADEMY

To improve student achievement and transition of students from the Intermediate School to Ocean Township High School, students entering grade 9 will be part of the Freshman Academy program. All freshmen will be prescheduled in core courses based on ability and New Jersey Department of Education graduation requirements. All freshmen will take Financial Literacy and Instructional Technology, which will serve as the keystone courses for the academy.

SCHOOL COUNSELING DEPARTMENT

FOUR YEAR COURSE PLANNER

Required courses for graduation are filled in for each year.

Grade 9 (Class of 2020)

1. P.E. & Health
2. English
3. World History or AP European History
4. Algebra I
5. Biology
6. World Language
7. Instructional Technology (2.5 credit)
Financial Literacy (2.5 credit)
8. Elective

Grade 10 (Class of 2019)

1. P.E. & Health
2. English
3. U.S. History I
4. Geometry
5. Chemistry
6. World Language
7. Elective
8. Elective

Grade 11 (Class of 2018)

1. P.E. & Health
2. English
3. U.S. History II
4. Algebra II
5. Physics
6. World Language Elective*
7. Elective
8. Elective

Grade 12 (Class of 2017)

1. P.E. & Health
2. English
3. US History III
4. Mathematics Elective*
5. Science Elective*
6. World Language Elective*
7. Elective
8. Elective

*As per N.J.A.C.6A:8-5.1 (b) Ocean Township strongly recommends that students include in their programs of study five credits in mathematics, laboratory science, social studies and world languages during each year of enrollment aimed at preparation for entrance into post-secondary programs and 21st century careers.

Required for Graduation

Visual & Performing Arts	(5 credits)
21 st Century Life and Careers	(5 credits)
Financial Literacy	(2.5 credits)

ACADEMIC COURSES

ENGLISH

HONORS ENGLISH I

Prerequisite: Adv Reading and LA Grade 8

Credits: 5

Freshman Academy

Level: 1

Honors English, grade 9, is a demanding program which requires extensive reading and writing in and out of class. Students use critical-thinking skills in the form of in-depth examination, analysis, interpretation, and explanation of literary materials. In addition, students work to improve vocabulary and analytical reading comprehension skills. Extensive research plays an integral role in the Honors English program at all grade levels.

A course-specific summer project along with the district's summer assignments are both required.

Enrollment in this course is based on the department's criteria matrix.

ENGLISH I ADVANCED

Prerequisite: Adv Reading and LA Grade 8/Teacher recommendation

Credits: 5

Freshman Academy

Level: 2

English I Advanced, grade 9, focuses students' attention on the forms of literature and on the requirements of sound composition, organization, and development. Students read an extensive array of literary selections ranging from short stories to novels, poems to plays, and non-fiction. Sustained work with composition helps students to organize ideas and content logically and to communicate effectively using verbal and electronic means. Vocabulary development and the improvement of reading comprehension skills help to improve students' understanding of literal and figurative language. Library/Database research is also an essential part of the year's work. Enrollment in English I Advanced is based on the department's criteria matrix. **The district's summer assignment is required.**

ENGLISH I/ENGLISH I ELL

Credits: 5

Freshman Academy

Level: 3

English I, grade 9, focuses students' attention on the forms of literature and on the requirements of sound composition, organization, and development. Students read a variety of literary selections ranging from short stories to novels, poems to plays, and non-fiction. Extensive work with composition helps students to organize ideas and content logically and to communicate effectively. Vocabulary development and the improvement of reading comprehension skills help to improve students' understanding of literal and figurative language. Library research is also an essential part of the year's work. **The district's summer assignment is required.**

HONORS ENGLISH II

Prerequisite: Honors English I or Advanced English I and Teacher recommendation

Credits: 5

Grade: 10

Level: 1

This course continues with the foundations established in grade 9 and builds on them through the study of challenging literary selections, in-depth study and research of American authors. **A course-specific summer project along with the district's summer assignment are both required.** Enrollment in this course is based on the department's criteria matrix.

ENGLISH II ADVANCED

Prerequisite: English I Advanced or Supervisor/Teacher recommendation

Credits: 5

Grade: 10

Level: 2

English II Advanced, grade 10, is a program which addresses the needs of students in terms of fine-tuning advanced reading, writing, and research skills. Through the study of American literature in its various forms, through writing on a variety of composition topics and in various forms, and through intensive work with vocabulary and skills development, students will continue to develop the communications skills begun in grade 9. Enrollment in English II Advanced is based on the department's criteria matrix. **The district's summer assignment is required.**

ENGLISH II/ENGLISH II ELL

Prerequisite: English I

Credits: 5

Grade: 10

Level: 2/3

English II, grade 10, is a program which addresses the needs of students in terms of developing reading, writing, and research skills. Through the study of American literature in its various forms, through writing on a variety of composition topics and in various forms, and through intensive work with vocabulary and skills development, students will continue to develop the communications skills begun in grade 9. **The district's summer assignment is required.**

AP ENGLISH LANGUAGE

Prerequisite: Honors English II or Advanced English II and teacher recommendation

Credits: 5

Grade: 11

Level: 1

This course is part of the approved Advanced Placement program, and as such focuses students' attention on language and composition. This course, too, expands on the work done in the previous years as students move to the study of British literature. Extensive work in writing continues, especially in the form of the formal research paper. **A course-specific summer project is required in lieu of the district's summer assignment.** At the completion of the course, each student will take the Advanced Placement English Examination in Language and Composition. Enrollment in this course is based on the department's criteria matrix.

ENGLISH III ADVANCED

Prerequisite: English II Advanced or Supervisor/Teacher recommendation

Credits: 5

Grade: 11

Level: 2

English III Advanced, grade 11, continues to build on the skills and awareness begun in grade 9 and continued in grade 10. Students in grade 11 study the works of the great British authors as the basis for their writing. Additionally, the course will offer a review of the skillset needed for the SAT. Students also research, develop, and present a formal research paper as a course requirement. Enrollment in English III Advanced is based on the department's criteria matrix. **The district's summer assignment is required.**

ENGLISH III/ENGLISH III ELL

Prerequisite: English II

Credits: 5

Grade: 11

Level: 3

English III, grade 11, continues to build on the skills and awareness begun in grade 9 and continued in grade 10. Students in grade 11 study the works of the great British authors as the basis for their writing. Additionally, the course will offer a review of the skillset needed for the SAT. Students also research, develop, and present a formal research paper as a course requirement. **The district's summer assignment is required.**

AP ENGLISH LITERATURE

Prerequisite: AP English Language or Advanced English III and teacher recommendation

Credits: 5

Grade: 12

Level: 1

This course is the final course in the Honors English course of study and part of the approved Advanced Placement program. As such focuses students' attention on major works in world literature—with emphasis on universal themes. An acceptable research paper is a requirement of this course. A summer reading project is required. At the completion of the course, each student will take the Advanced Placement English Examination in Literature and Composition. Enrollment in this AP course is based on the criteria matrix. **A course-specific summer project is required in lieu of the district's summer reading assignment.**

ENGLISH IV ADVANCED

Prerequisite: English III Advanced or Supervisor/Teacher recommendation

Credits: 5

Grade: 12

Level 2

English IV Advanced, grade 12, provides students with the opportunity to continue to develop their communication skills in writing and reading. Students read works from world literature, which have been translated into English and from American literature when universal themes tie the American selections to those from the rest of the world. Students study literature and write about it in relation to both thematic overviews and bodies of works written by the same author. Completion of an acceptable research project is a major course and graduation requirement. Enrollment in English IV Advanced is based on the department's criteria matrix. **The district's summer assignment is required.**

ENGLISH IV/ENGLISH IV ELL

Prerequisite: English III

Credits: 5

Grade: 12

Level: 2/3

English IV, grade 12, provides students with the opportunity to continue to develop their communication skills in writing and reading. Students read works from world literature, which have been translated into English and from American literature when universal themes tie the American selections to those from the rest of the world. Students study literature and write about it in relation to both thematic overviews and bodies of works written by the same author. Completion of an acceptable research project is a major course and graduation requirement. **The district's summer assignment is required.**

CONTEMPORARY PROSE

Credits: 5

Grades: 9-12

Level: 3

This course is based on contemporary fiction in the form of modern novels and short stories selected for their universal themes, interesting plots, and true-to-life characters. It provides students with reading experiences with authors whose works are presently in the public eye. In addition to extensive reading, students will work to improve their writing skills through a variety of activities based on reading assignments and class discussion. This course is also designed for students who have an interest in and talent for creative writing. General instruction is followed by individualized writing assignments.

THE FILM AS LITERATURE

Credits: 5

Grades: 11-12

Level: 3

Students will study the film as a form of literature which not only communicates information but also reflects the society of its time period. Students will view films which serve as milestones in the development of the film as a literary form, discuss the various aspects of those films, and write about those films.

THE AMERICAN GRAPHIC NOVEL

Credits: 5

Grades: 9-12

Level: 3

This semester course encompasses the techniques and history of comic and graphic novel storytelling. Through the analysis of several graphic novels, the students will study the various formats and techniques used over the years in comic strip, comic book and graphic novel publications. Students will explore the comic's medium as a mode of communicating a story using the various texts as a way to acquire, practice and master traditional and new literacy skills. Instruction will emphasize how both illustration and script blend to create a unique story-telling form. The student will also learn sequential art scriptwriting procedures to produce their own work for the class.

MATHEMATICS & VERBAL TEST PREP

Credits: 5

Grades: 10-11

Level: 3

In this course students will become familiar with the format, scoring, and test taking strategies of the SAT & ACT. Content specific review and practice will prepare students for the SAT & ACT exams. Topics include **Math:** Algebra, Geometry, Numerical Concepts, Data Analysis, Statistics, and Probability. **Verbal:** Critical Reading and Writing. Additionally, online resources will be utilized for individual practice.

LA TEST PREP

Credits: 5

Grades: 9-11

Level: 3

This class provides a laboratory-learning setting in which each student has a diagnostic/prescriptive instructional plan designed to improve his or her specific communications skills. This is a mandated class for all students who score below the minimum level of proficiency in language arts literacy as established by the State of New Jersey. Based on standardized scores, a student may retake this course for credit. Special emphasis is placed on preparation for the state mandated assessment.

PARCC PORTFOLIO – ENGLISH LANGUAGE ARTS LITERACY

Credits: 5

Grade: 12

Level: 3

This class provides a laboratory-learning setting in which each student has a diagnostic/prescriptive instructional plan designed to improve his or her specific English Language Arts skills. This is a mandated class for all seniors who score below the minimum level of proficiency in English Language Arts assessments as established by the State of New Jersey. Special emphasis is placed on preparation for necessary portfolio tasks required for graduation.

MATHEMATICS

ALGEBRA I PART I

Credit: 5

Grade: 9

Level: 3

This is the first course in a two-semester program in which students will receive instruction for Algebra I. Topics include functions and their graphs, algebraic concepts, solving and graphing linear equations, inequalities, and systems of equations and inequalities. Problem solving, calculator application, and modeling, along with an emphasis on remediating foundational skills, will increase student readiness for advanced Algebra I topics. With an adjusted pace, students have the opportunity to experience greater utilization of hands-on, concrete instructional strategies with the increased use of manipulatives designed to address abstract algebraic concepts. **The district's summer assignment is required.**

ALGEBRA I PART II

Prerequisite: Algebra I Part I

Credit: 5

Grade: 9

Level: 3

This is the second course in a two-semester program in which students will receive instruction for Algebra I. Topics include factoring quadratics, exponents and exponential equations, radical expressions, and statistics. Problem solving, calculator application and modeling, along with an emphasis on remediating foundational skills, will increase student readiness for future mathematics courses. With an adjusted pace, students have the opportunity to experience greater utilization of hands-on, concrete instructional strategies with the increased use of manipulatives designed to address abstract algebraic concepts.

ALGEBRA I

Credit: 5

Freshman Academy

Level: 2/3

Algebra is a language used to express mathematical relationships. Topics include the structure and properties of the real number system, linear, quadratic, and other functions, and systems of equations. Students will learn how quantities are related to one another, and how algebra can be used to concisely express and analyze those relationships. Modern technology provides tools for enhancing algebraic techniques. Algebra I is the first of a sequence of mathematics courses that will prepare the student for post-secondary education or the world of work. Graphing calculators are used extensively in this course. Owning one is strongly recommended. **The district's summer assignment is required.**

GEOMETRY (HONORS AND ADVANCED)

Prerequisite: Algebra I (Honors or Advanced)

This is a Freshman Academy course for selected students.

Credits: 5

Grades: 9-11

Level: 1/2

This course includes properties of plane and solid Euclidean Geometry. Inductive and deductive reasoning skills as well as methods of formal symbolic logic are developed. Strong emphasis is placed on abstract thinking and the method of formal proof utilizing the sequence of definitions, postulates, and theorems studied. Student centered investigation and discovery lessons are implemented through the use of Geometer's Sketchpad computer soft-ware. Enrichment topics are introduced more often in the honors class and more creative proof writing is required. **The district's summer assignment is required.**

GEOMETRY

Prerequisite: Algebra I

Credits: 5

Grades: 9-11

Level: 3

This course includes methods and properties of two-and three-dimensional Euclidean Geometry using a variety of strategies. Inductive and deductive reasoning skills are covered. Use of technology and manipulatives facilitates understanding of geometric theorems, patterns, and relationships. **Students are advised that most college admission requirements include Geometry and Algebra II. The district's summer assignment is required.**

DISCRETE MATHEMATICS

Prerequisite: Algebra I and Geometry and Approval of Department Supervisor

Credits: 5

Grades: 10-12

Level: 3

This course is designed for students that have successfully completed Algebra I and Geometry and need another year of mathematical application to strengthen their background before pursuing Algebra II. **Students are advised that most college admission requirements include Algebra II.** This course connects mathematical topics and real-life events and situations while sharpening students' problem-solving, mathematical reasoning and communication skills. Topics of election theory, fair division, matrix operations and applications, graphs and their applications, and probability are included. Preparation for college entrance exams is incorporated.

ALGEBRA II (HONORS AND ADVANCED)

Prerequisite: Algebra I and Geometry (Honors or Advanced)

Credits: 5

Grades: 9-12

Level 1/2

This course stresses the logical structure of the real and complex number system. Modeling real world problems, equation solving sequences and series, exponential functions, logarithmic functions, quadratic functions, rational functions, and conic sections are among the topics covered in detail. Topics in probability and combinatorial analysis are also included. The honors course demands more independent thinking and has a more rigorous approach. Problem solving and use of graphing and computer technology are infused. **Students are advised that most college admission requirements include Algebra II. The district's summer assignment is required.** Graphing calculators are used extensively in this course. Owning one is strongly recommended.

ALGEBRA II

Prerequisite: Algebra I and Geometry

Credits: 5

Grades: 10-12

Level: 3

This course provides a thorough review of solving equations, understanding elementary and linear functions, quadratic functions, conics, polynomial functions, and the structure of the real number system. Topics include sequences and series, exponential functions, and probability and combinatorial analysis. Problem solving and use of graphing and computer technology are infused. **Students are advised that most college admission requirements include Algebra II. The district's summer assignment is required.** Graphing calculators are used extensively in this course. Owning one is strongly recommended.

PRE-CALCULUS (HONORS AND ADVANCED)

Prerequisite: Algebra I, Geometry, and Algebra II (Honors or Advanced)

Credits: 5

Grades: 10-12

Level: 1/2

This course is designed for the student who intends to enroll in an Advanced Placement Calculus course in the senior year. A complete study of elementary functions is completed with great attention to trigonometry. Advanced topics include polar and parametric functions, limit theory, vectors, and curves in space. Computer and graphing technology are integrated throughout the course. **The district's summer assignment is required.** Graphing calculators are used extensively in this course. Owning one is strongly recommended.

PRE-CALCULUS

Prerequisite: Algebra I, Geometry and Algebra II

Credits: 5

Grades: 10-12

Level: 3

A comprehensive study of elementary functions is completed with great attention to trigonometry. Other topics include linear, quadratic, polynomial, exponential, logarithmic and rational functions. Problem solving, applications, and use of graphing and computer technology are infused through the course. **The district's summer assignment is required.** Graphing calculators are used extensively in this course. Owning a TI-84 graphing calculator is strongly recommended.

COLLEGE PREP MATH

Prerequisite: Algebra I, Geometry, Algebra II

Credits: 5

Grades: 11-12

Level: 3

The student will study algebraic skills first learned in Algebra II and extend these skills to the types of problems covered in college algebra. Topics include solving equations, solving inequalities, solving linear systems of equations and inequalities in two variables, and applications of the following types of functions: linear, quadratic, polynomial, rational, radical, exponential, and logarithmic. In addition, the course reinforces right triangle trigonometry, graphing trigonometric functions, trigonometric functions through the unit circle, and the transformations applied to functions. Problems in the course are approached from a variety of perspectives, including graphical, numerical, and algebraic. A graphing calculator is suggested.

ADVANCED PROBABILITY AND STATISTICS

Prerequisite: Algebra I, Geometry, Algebra II

Credits: 5

Grades: 11-12

Level: 2

This mathematics course is designed for college-bound students. Key components of the course include data collection, organization and representation, sampling, central tendency, variance and correlation, probability distributions, hypothesis tests, and analysis and inference. Technology will be used not only to simplify calculation and display charts and graphs, but also to generate and access appropriate data for activities and projects. Graphing calculators are used extensively in this course. Owning one is strongly recommended. **The district's summer assignment is required.**

ADVANCED CALCULUS

Prerequisite: Pre-Calculus

Credits: 5

Grades: 11-12

Level: 2

This course will introduce students to the world of calculus which is a college requirement for many majors. Students will learn how to calculate limits, find the derivative of functions and determine their properties, find the integral of a function and use it to calculate area. This course does not require students to take the Advanced Placement exam.

AP CALCULUS (AB)

Prerequisite: Advanced or Honors Pre-Calculus and Teacher Recommendation

Credits: 5

Grades: 11-12

Level: 1

This college level Calculus course follows the Advanced Placement AB syllabus published by The College Board. Students can earn college credits for successful completion of this course. Methods of different and integral calculus and their applications are covered. Graphing calculators are used extensively in this course. Owning a TI-84 graphing calculator is strongly recommended. All students registered in this course are required to prepare for and participate in the AP examination administered nationally by The College Board in May as part of the course proficiencies. **The district's summer assignment is required.**

AP CALCULUS (BC)

Prerequisite: Advanced or Honors Pre-Calculus and Teacher Recommendation

Credits: 5

Grades: 11-12

Level: 1

This college level Calculus course follows the Advanced Placement BC syllabus published by The College Board. Students can earn college credits for successful completion of this course. Methods of different and integral calculus are covered along with their applications. In addition, sequences and series are studied in depth. The calculus of parametric, polar and vector-valued functions is also studied. Graphing calculators are used extensively in this course. Owning a TI-89 graphing calculator is strongly recommended. All students registered in this course are required to prepare for and participate in the AP examination administered nationally by The College Board in May as part of the course proficiencies. **The district's summer assignment is required.**

MULTIVARIABLE CALCULUS (Honors)

Prerequisite: Calculus AB or BC and score of 3 or higher on AP exam, and teacher recommendation

Credits: 5

Grades 11-12

Level: 1

Multivariable Calculus is offered to students that have successfully completed AB Calculus or BC Calculus. Certain topics from AB & BC Calculus will be reviewed to establish a foundation for the study of Multivariable Calculus. Topics covered during the study of Multivariable Calculus will include differentiation and integration techniques, vector operations and vector calculus, planes and surfaces, area and volume as double and triple integrals, integration in polar and spherical coordinates, line integrals, Stoke's Theorem, and Green's Theorem.

AP COMPUTER SCIENCE (A)

Prerequisite: Game Design or Teacher Recommendation

Credits: 5

Grades: 11-12

Level: 1

This course is designed to prepare students for the Advanced Placement Computer Science Examination and follows a syllabus approved by The College Board. Attention is placed on object-oriented programming methodology with a concentration on problem solving and algorithm development, and is meant to be equivalent to a first semester college level course in computer science. All students registered in this course are required to prepare for and participate in the AP examination administered nationally by The College Board in May as part of the course proficiencies. **The district's summer assignment is required.**

AP STATISTICS

Prerequisite: Algebra II Advanced or Honors and Teacher Recommendation

Credits: 5

Grades: 11-12

Level: 1

This college level statistics course follows the Advanced Placement Statistics syllabus published by The College Board. Students can earn college credits for successful completion of this course. The purpose of the course is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to the following conceptual themes: Exploring Data, Sampling and Experimentation, Anticipating Patterns, and Statistical Inferences. Computers and graphing calculators are used extensively in this course. Owning a graphing calculator is strongly recommended. All students registered in this course are required to prepare for and participate in the AP examination administered nationally by The College Board in May as part of the course proficiencies. **The district's summer assignment is required.**

MATHEMATICS & VERBAL TEST PREP

Credits: 5

Grades: 10-11

Level: 3

In this course students will become familiar with the format, scoring, and test taking strategies of the SAT & ACT. Content specific review and practice will prepare students for the SAT & ACT exams. Topics include **Math**: Algebra, Geometry, Numerical Concepts, Data Analysis, Statistics, and Probability. **Verbal**: Critical Reading and Writing. Additionally, online resources will be utilized for individual practice.

MATH TEST PREP

Credits: 5

Grades: 9-11

Level: 3

This class provides a laboratory-learning setting in which each student has a diagnostic/prescriptive instructional plan designed to improve his or her specific mathematics skills. This is a mandated class for all students who score below the minimum level of proficiency in mathematics as established by the State of New Jersey. Based on standardized scores, a student may retake this course for credit. Special emphasis is placed on preparation for the state mandated assessment.

PARCC PORTFOLIO – MATHEMATICS

Credits: 5

Grade: 12

Level: 3

This class provides a laboratory-learning setting in which each student has a diagnostic/prescriptive instructional plan designed to improve his or her specific mathematical skills. This is a mandated class for all seniors who score below the minimum level of proficiency in mathematics assessments as established by the State of New Jersey. Special emphasis is placed on preparation for necessary portfolio tasks required for graduation.

PHYSICAL EDUCATION, HEALTH, SAFETY

PHYSICAL EDUCATION/HEALTH-GRADE 9

Credits: 5

Freshman Academy

Level: 3

The ninth grade physical education and health program consists of required courses. All ninth graders may participate in gymnastics, wrestling, track and field, softball, a games course, and personal fitness. All skills necessary for successful, safe participation are taught, as well as the importance of regular exercise and its role in lifetime wellness. Assessment is based on preparation, participation, and self-improvement, not competition.

The ninth grade health curriculum consists of students participating in the following units of instruction: Drugs/Alcohol, Smoking, Reproduction, Nutrition, Fitness, STD's and AIDS. Students are required to take the Midterm and the Final Exam to receive credit for this course.

PHYSICAL EDUCATION/HEALTH-GRADE 10

Credits: 5

Grade: 10

Level: 3

The tenth grade physical education, health and safety program consists of individual and team sport activities. These courses may consist of badminton, basketball, soccer, volleyball, softball, strength training, and yoga. All skills necessary for successful, safe participation are taught, as well as the importance of regular exercise and its role in lifetime wellness. Assessment is based on preparation, participation, and self-improvement, not competition.

The tenth grade health curriculum will attempt to improve the students' ability to understand plaguing health problems and, through understanding, develop positive behaviors that will reduce health risk. Specific teaching units, such as the mental health unit, will target emotional disorders that occur when people fail to understand their emotions, or lose the ability to control and communicate their feelings. Emphasis will also be placed upon the strategies that can help an individual cope with his/her problems and the problems of others. Other units are family life and chemical abuse.

The classroom theory approach to driver education is offered to tenth graders. Instructional units include Traffic Law, Insurance, Laws of Nature, Stopping Distances, Psychology of the Driver, as well as the effects of substance abuse on driving. Students are administered the NJ Division of Motor Vehicles written test during this course. Successful course completion entitles students to a certificate usually accepted by insurance companies qualifying them for a discount on their policy premiums. Students are required to take the Midterm and Final Exam to receive credit for this course.

PHYSICAL EDUCATION/HEALTH-GRADE 11

Credits: 5

Grade: 11

Level: 3

The eleventh grade physical education and health program consists of individual and team sport activities. These courses may consist of badminton, basketball, soccer, volleyball, softball, strength training, and yoga. All skills necessary for successful, safe participation are taught, as well as the importance of regular exercise and its role in lifetime wellness. Assessment is based on preparation, participation, and self-improvement.

The eleventh grade health curriculum provides the opportunity to improve their knowledge and understanding of physical fitness, nutritional disorders, substance awareness, diseases, and family life. Emphasis will be placed on using the information offered for their personal wellness. Students are required to take the Midterm and Final Exam to receive credit for this course.

PHYSICAL EDUCATION/HEALTH-GRADE 12

Credits: 5

Grade: 12

Level: 3

The twelfth grade high school physical education and health program consists of individual and team sport activities. These courses may consist of badminton, basketball, soccer, volleyball, softball, strength training, and yoga. All skills necessary for successful, safe participation are taught, as well as the importance of regular exercise and its role in lifetime wellness. Assessment is based on preparation, participation, and self-improvement.

The twelfth grade health curriculum, Family Life Issues, provides seniors with the opportunity to structure guidelines to improve their self-esteem, self-awareness, and interpersonal skills. The course will also provide skills and strategies needed to solve personal and family conflicts. Students will also examine their readiness for relationships, marriage and the pitfalls to avoid. Students are required to take the Midterm and Final Exam to receive credit for this course.

SCIENCE

HONORS BIOLOGICAL SCIENCE

Prerequisite: Advanced Algebra I and Science Supervisor Approval

Credits: 5

Freshman Academy

Level: 1

The emphasis in this honors course will be on the five following topics; Structure and Function; Inheritance and Variation of Traits; Matter and Energy in Organisms and Ecosystems; Interdependent relationships in Ecosystems; and Natural Selection and Evolution. There will also be an emphasis on student-centered instruction. Students will participate in extensive laboratory investigations. All students enrolled in this Biology course are mandated by the New Jersey Department of Education to complete the New Jersey Biology Competency Test. Students will also be required to do an in-depth literature search, engage in experimental design, and complete a comprehensive, semester-long project.

ADVANCED BIOLOGICAL SCIENCE

Prerequisite: Science Supervisor Approval

Credits: 5

Freshman Academy

Level: 2

The emphasis in this advanced course will be on the five following topics; Structure and Function; Inheritance and Variation of Traits; Matter and Energy in Organisms and Ecosystems; Interdependent relationships in Ecosystems; and Natural Selection and Evolution. There will also be a emphasis on student-centered instruction. Students will participate in extensive laboratory investigations. All students enrolled in this Biology course are mandated by the New Jersey Department of Education to complete the New Jersey Biology Competency Test.

BIOLOGICAL SCIENCE

Credits: 5

Freshman Academy

Level: 3

The emphasis in this college prep course will be on the five following topics; Structure and Function; Inheritance and Variation of Traits; Matter and Energy in Organisms and Ecosystems; Interdependent relationships in Ecosystems; and Natural Selection and Evolution. There will also be an emphasis on student-centered instruction. The process of scientific inquiry is developed throughout the course and aspires to give the student insight into the patterns of life and evolutionary relationships. All students enrolled in this Biology course are mandated by the New Jersey Department of Education to complete the New Jersey Biology Competency Test.

AP CHEMISTRY

Pre-requisite: Advanced Algebra II and Chemistry

Credits: 5

Grades: 11-12

Level: 1

This chemistry course is a college level program that is the equivalent of two semesters of college introductory chemistry. The course covers topics included in the AP syllabus with emphasis on equilibrium, kinetics, thermodynamics, chemical reactions and gas laws with an extensive application of mathematics to problem solving and laboratory investigations. Extended time for some labs and class assignments may be needed, including after school hours. Participation in some extra-curricular science events is encouraged. All students registered in this course are required to prepare for and participate in the AP examination administered nationally by the College Board in May as part of the course proficiencies. **The district's summer assignment is required.**

HONORS CHEMISTRY

Prerequisite: Advanced Algebra I, Science Supervisor Approval and Teacher Recommendation

Credits: 5

Grade: 10

Level: 1

This is a comprehensive college preparatory chemistry course leading up to AP Chemistry. Content includes vigorous mathematics applied to fundamental chemistry concepts leading to studies of equilibrium, kinetics, acid-base chemistry, and solubility. There will also be an emphasis on student-centered instruction. Students are strongly encouraged to participate in co-curricular chemistry activities, including but not limited to National Chemistry Week events. **The district's summer assignment is required.**

ADVANCED CHEMISTRY

Prerequisite: Advanced Algebra I or Algebra I with Science Supervisor Approval

Credits: 5

Grade: 10

Level: 2

Emphasis is placed on a quantitative approach to problem solving and data interpretation using advanced mathematics. Detailed studies of atomic theory, quantitative analysis of chemical equations, thermodynamics, kinetics, equilibrium, and other chemistry laws will be provided with an extensive application of mathematics to problem solving and laboratory investigations. There will also be an emphasis on student-centered instruction.

CHEMISTRY

Prerequisite: Algebra I and Biology

Credits: 5

Grade: 10

Level: 3

Emphasis is placed on a quantitative approach to problem solving and data interpretation. Detailed studies of chemical theories and laws will be provided with an extensive application of mathematics to problem solving and laboratory investigations. There will also be an emphasis on student-centered instruction.

PRINCIPLES OF CHEMISTRY AND PHYSICS

Prerequisite: Biology

Credits: 5

Grade: 10

Level: 3

An introductory course designed to allow students to explore and develop their understanding of these 2 major physical sciences. The core ideas will include the most fundamental concepts from chemistry and physics, but are intended to leave room for expanded study in the next level of college prep chemistry and physics courses. Students will be encouraged to explore the relationships between physical science and their everyday life. Course expectations will combine core ideas with scientific/engineering practices, and crosscutting concepts that will allow students to make connections across the science disciplines. Hands-on activities, labs, projects, and group work will be emphasized, along with the use of technology. Students in this course will also have opportunities to develop and utilize their writing skills. There will also be an emphasis on student-centered instruction.

THE EARTH AND OUR ENVIRONMENT: A GLOBAL PERSPECTIVE

Prerequisite: Biology and Chemistry/ or Principles of Chemistry and Physics

Credits: 5

Grade: 11

Level: 3

This laboratory course will explore the four spheres of the environment – Earth, air, water and living things. Each sphere will be explored and interactions within and between all spheres will be emphasized. Impacts of human activities on the environment will be discussed, including current issues such as climate change, resource depletion, increasing population, and human health. Finally, the course will look to the future and discuss hot topics such as sustainability, “going green,” renewable energy, and possible solutions for our current environmental crisis.

AP PHYSICS I

Prerequisite: Advanced Algebra II, Chemistry, Teacher Recommendation and Science Supervisor Approval

Credits: 5

Grade: 11

Level: 1

This course is the equivalent of a first-semester college course in algebra-based physics. The course includes Newtonian mechanics (including rotational dynamics and angular momentum, work, energy, power; mechanical waves and sound. It also introduces electric circuits. Students will develop deep understanding of the content and will focus on applying their knowledge through inquiry labs.

AP PHYSICS II

Prerequisite: Pre-Calculus and prior Chemistry and Physics course, Teacher Recommendation and Science Supervisor Approval

Credits: 5

Grade: 12

Level: 1

This course is the equivalent of a second semester college course in algebra-based physics. The course covers fluid mechanics, thermodynamics, electricity and magnetism, optics, atomic and nuclear physics. Students will develop deep understanding of the content and will focus on applying their knowledge through inquiry labs.

ADVANCED PHYSICS

Prerequisite: Chemistry and Advanced Algebra I or Algebra I with Science Supervisor Approval

Credits: 5

Grades: 10-11

Level: 2

This course presents topics of physics through a more accelerated approach. Emphasis is placed a quantitative approach to problem solving and data interpretation using advanced mathematics and laboratory experimentation. This rigorous course will provide students who possibly intend to pursue a career in science and engineering with the necessary background. Topics studied will include vectors, two dimensional motion, Newton's laws, rotational motion, astronomy, momentum, energy, thermodynamics, waves, sound optics, electricity and magnetism. There will also be an emphasis on student-centered instruction.

PHYSICS

Prerequisite: Algebra I, Chemistry and Science Supervisor Approval

Credits: 5

Grades: 10-11

Level: 3

This course presents the topics of physics through an historical approach. Emphasis is placed on problem solving and data interpretation using mathematics as well as a conceptual approach. Topics include measurement of distance, time and mass, vectors, linear and two-dimensional motion, Newton's laws, light, and color, and nuclear physics. Careers related to physics will be investigated. There will also be an emphasis on student-centered instruction.

AP BIOLOGY

Prerequisite: Biology and Chemistry

Credits: 5

Grades 11-12

Level: 1

This second year biology course is a college level program that is the equivalent to two semesters of college introductory biology. The course covers topics included in the AP Syllabus with emphasis on biochemistry, human systems, genetics and biotechnology and evolution. A strong laboratory component is included. All students registered in this course are required to prepare for and participate in the AP examination administered nationally by the College Board in May as part of the course proficiencies. **The district's summer assignment is required.**

AP ENVIRONMENTAL SCIENCE

Prerequisite: Biology and Chemistry

Credits: 5

Grades: 11-12

Level: 1

This course is designed to be the equivalent of a one-semester introductory college course in environmental science that includes a laboratory and field investigation component. Emphasis is placed on the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and man-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Environmental Science is interdisciplinary, embracing topics from biology, chemistry, geology and geography. All students registered in this course are required to prepare for and participate in the AP examination administered nationally by the College Board in May as part of the course proficiencies. Students have the option to participate in a pilot program that was co-developed by the AP program and Free the Children. This teaches students to apply the concepts and skills learned in class to real world service opportunities. **The district's summer assignment is required.**

SOCIAL STUDIES

AP EUROPEAN HISTORY

Prerequisite: Teacher and Supervisor Recommendation

Credits: 5

Freshman Academy

Level: 1

The goals of the Advanced Placement Program in European History are to develop an understanding of some of the principle themes in modern European history and an ability to analyze historical evidence. The students will develop an ability to analyze and to express historical understanding in writing. Students will trace developments in European history from the Renaissance to the Modern day through the examination of Cultural, Political, and Social History. Enrollment is based on outstanding performance in 8th grade. All students registered in this course are required to prepare for and participate in the AP examination administered nationally by The College Board in May as part of the course proficiencies. **The district's summer assignment is required.**

WORLD HISTORY

Credits: 5

Freshman Academy

Level: 2 /3

This course is designed to continue the study of world cultures and to give a general background of world historical affairs and development. Topics covered include an analysis of the causes, course and outcome of the Italian Renaissance, the Age of Exploration, the Age of Autocracy, the Age of Revolutions, The Napoleonic Era, The Unification of Italy and Germany, First and Second World Wars, and the general development of cultures in Africa, Asia, and Latin America. Emphasis will be placed upon the development of those skills necessary for success in the high school social studies curricula, college and life skills and upon collaborative and individualized instruction. Research papers or projects will be required.

HONORS U.S. HISTORY I

Prerequisite: World History (Advanced or AP European History)

Credits: 5

Grade: 10

Level: 1

American history from pre-Columbian times through Reconstruction will be studied as the first part of a college level course for selected students. This course will emphasize enhancement of analytical skills, as well as challenging tests, and the use of primary sources. This is the first year of a two-year Honors U.S. History program that will prepare students of the AP exam in United States History. Enrollment is based on outstanding performance in grade 9.

U.S. HISTORY I

Prerequisite: World History

Credits: 5

Grade: 10

Level: 2 /3

This course will provide students with a survey of the major social, economic, and political events in United States history from the Revolutionary period through the late Nineteenth Century. The course will correspond to the literature of related time periods. A variety of activities/methodologies including class discussions, lectures, audio-visual aids, cooperative learning, and portfolio assessment are used.

AP US HISTORY II

Prerequisite: Honors U.S. History I

Credits: 5

Grade: 11

Level: 1

The two-year U.S. History Honors-Advanced Placement program is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials in American history. The Honors-Advanced Placement program, especially in the second year, prepares students for intermediate and advanced college courses by making demands upon them equivalent to those of a full-year introductory college course. Students will learn to assess historical materials – their relevance to a given interpretive problem, their reliability, and their importance – and to weigh the evidence and interpretations presented in historical scholarship. Research papers or projects are required. Enrollment is based on outstanding performance in grade 10. All students registered in this course are required to prepare for and participate in the AP examination administered nationally by The College Board in May as part of the course proficiencies. **The district's summer assignment is required.**

US HISTORY II

Prerequisite: U.S. History I

Credits: 5

Grade: 11

Level: 2 /3

This course will provide students with a survey of the time period from the Spanish-American War to the end of World War II with an added unit on the Holocaust. Following the unit on the Holocaust is a separate unit addressing the concepts of prejudice, racism, and the Genocides of the Twentieth Century, including Armenia, Cambodia, and Rwanda. Topics such as America as a world power, the changes in the daily life status of people, United States involvement in World War I and World War II are covered in detail. The Progressive Era, Great Depressions, and other domestic issues are also covered. A variety of activities/methodologies including class discussions, lectures, audio-visual aids, cooperative learning, and portfolio assessment are used. Research projects are required.

AP UNITED STATES GOVERNMENT AND POLITICS

Prerequisite: AP U.S. History II or Advanced U.S. History I or II with grade of 90 or above & Teacher Recommendation. If a student is taking this course without successful completion of AP U.S. History II, it is taken as an elective in addition to U. S. History II or III.

Credits: 5

Grade: 11-12

Level: 1

This course offers an examination of basic structure and function of government. This course shows how government is organized and how it operates, including the policy-making process. The course provides an examination of America's Constitutional foundations, national institutions, and political processes as it gets students prepared to take the AP exam. Included as units are such topics as the Constitution, Federalism, American Political Culture and Public Opinion, Political Parties, Interest Groups, the Media, Congress, the Presidency, the Judiciary, the Bureaucracy, Civil Liberties, and Civil Rights. All students registered in this course are required to prepare for and participate in the AP examination administered nationally by The College Board in May as part of the course proficiencies. **The district's summer assignment is required.**

U.S. HISTORY III

Credits: 5

Grade: 12

Level: 2 /3

This required course covers the period of history in America from 1945 to the present. Emphasis is placed on major events such as the Cold War, the Civil Rights Movement, Space Exploration, The New Frontier of the Kennedy Years, The Great Society of Lyndon Johnson, Vietnam War, Watergate, Nixon foreign policy successes, Stagflation, New Federalism of Ronald Reagan, the end of the Cold War, George Bush, the Gulf War, the Clinton Administration, and the impact of the terrorist attacks of 9/11/01. An examination is also done of the contemporary problems that face the United States as a nation within its pluralistic society. A research project will be required.

AFRICAN-AMERICAN HISTORY

Credits: 5

Grades: 9-12

Level: 3

African-American History is offered as an elective for students who wish to gain knowledge or increase their awareness and understanding of the African-American people. This course will cover the period of pre-history on the African continent, the early empire of West Africa, the development of the Atlantic Slave Trade, American slavery, the Abolitionist Movement, the American Civil War, African-Americans in the west, the World of Jim Crow, the early Civil Rights Movement, Black Nationalism, the Harlem Renaissance, the Civil Rights Revolution, Blacks in Vietnam, and African-Americans in the modern world.

AP PSYCHOLOGY

Prerequisite: Advanced Science and/or History with a Grade of 85 or above and Teacher Recommendation

Credits: 5

Grades: 10-12

Level: 1

This Advanced Placement Program is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They will also learn about the ethics and methods of psychologists use in their science and practice (from College Board Course Description, 2008). All students registered in this course are required to prepare for and participate in the AP examination administered nationally by The College Board in May as part of the course proficiencies. **The district's summer assignment is required.**

AP HUMAN GEOGRAPHY

Prerequisite: Advanced History with a Grade of 85 or above and Teacher Recommendation

Credits: 5

Grades: 10-12

Level: 1

This course is part of the approved Advanced Placement Program, and as such focuses students' attention on a wide variety of topics. Emphasis is placed on understanding patterns and processes that have shaped human relationships on earth over space and time. Students will use and think about maps and spatial data sets, define regions, and the regionalization process, and characterize interconnections among places. Enrollment in this course is based on outstanding performance in social studies with a grade of 90 or better in an Advanced History course and teacher recommendation. All students registered in this course are required to prepare for and participate in the AP examination administered nationally by The College Board in May as part of the course proficiencies. **The district's summer assignment is required.**

AP MICROECONOMICS

Prerequisite: Demonstrated Proficiency in Algebra II. Advanced History with a Grade of 85 or above and Teacher Recommendation

Credits: 5

Grades: 10-12

Level: 1

AP Microeconomics is an introductory college-level course that focuses on the principles that apply to an economic system as a whole. The course is designed to provide students with a foundation in the workings of our economy and focuses on the behavior of individual households and firms. The course places particular emphasis on the study of national income and price-level determination; it also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. The course is designed to prepare students for the Advanced Placement examination in Microeconomics. All students registered in this course are required to prepare for and participate in the AP examination administered nationally by The College Board in May as part of the course proficiencies. *AP Microeconomics will run as a semester course. **The district's summer assignment is required.**

AP MACROECONOMICS

Prerequisite: Demonstrated Proficiency in Algebra II. Advanced History with a Grade of 85 or above and Teacher Recommendation

Credits: 5

Grades: 10-12

Level: 1

AP Macroeconomics is an introductory college-level course that focuses on the principles that apply to an economic system as a whole. The course explores the decision-making and behavior of the entire economy and the role that government plays in a mixed capitalist economy. The course places particular emphasis on the study of national income and price-level determination; it also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. The course is designed to prepare students for the Advanced Placement examination in Macroeconomics. All students registered in this course are required to prepare for and participate in the AP examination administered nationally by The College Board in May as part of the course proficiencies, *AP Macroeconomics will run as a semester course. **The district's summer assignment is required.**

CURRENT GLOBAL ISSUES

Credits: 5

Grades: 9-12

Level: 3

This elective course focuses on the social, political, economic, and environmental issues that affect us all. Topics to be explored include: Globalization, Immigration, Global Warming, Revolts and Revolutions, and Human Rights. A social studies approach to these topics will allow the students to discover the connection between contemporary concerns and their historical precedents. Students will apply knowledge learned by debating, problem-solving, and presenting potential solutions.

HOLOCAUST AND MODERN DAY GENOCIDE

Credits: 5

Grades: 10-12

Level: 1/3

This elective course focuses on the Holocaust and modern day genocides. Students will begin by discussing Raphael Lemkin and the United Nations Genocide Convention. Students will then explore the systemic persecution and annihilation of European Jewry as well as the other numerous victims of the Holocaust. The course will focus not only on the victims and perpetrators, but on the role of resisters, rescuers, and bystanders as well. Students will then explore other genocides in the 20th and 21st centuries, including events in Armenia, Cambodia, Darfur, Iraq, Rwanda, and Yugoslavia. Further, the class will explore the broad context of social justice in order to understand the different frameworks of society and how individuals frame themselves within society. Students will learn about the forms of prejudice that contribute to systems of oppression and will be able to examine change agents skills that can challenge the roots of prejudice. **Ocean Township High School has a dual enrollment agreement with Kean University for this course. While the course is open to any student, students wishing to earn dual credit must complete all tasks designated on the Dual Credit Holocaust and Modern Day Genocide syllabus. The depth and expectations of the dual enrollment option are greater than the regular elective section, involving more writing, deeper analysis and independent learning, and more outside readings and projects. A signed agreement from each student wishing to take the class for dual enrollment credit will be required prior to taking the course.**

HISTORY OF NEW JERSEY

Credits: 5

Grades: 9-12

Level: 3

This elective course is a survey of New Jersey history from the first settlement to the present, covering the development of political and cultural institutions, as well as the growth of agriculture and industry. Topics covered include European colonization, the American Revolution, slavery and the Civil War; the Industrial Revolution, immigration, women's suffrage, race issues and relations, the Great Depression and World War II. The course will use New Jersey history as a means of exploring the major themes of United States history. This approach will give students a greater sense of place as New Jersey residents.

AMERICAN JUSTICE

Credits: 5

Grades: 10-12

Level: 3

This elective course will take a deeper examination of our legal system and its lawmaking process. Emphasis will be placed on the evolution of individual rights and liabilities as they pertain to Freedom of Speech, the Press, Religion, Right to Privacy, Search and Seizure, Due Process and Discrimination. In addition, teacher-designated case studies will be positioned within each unit to enhance student understanding of the real-life issues. Students will engage in mock trial, evaluation of court cases, role playing, debate, discussion, and research projects throughout the course. If this class is held in the fall semester, students will be able to participate in the NJ Bar Foundation Mock Trial competition that is held annually in January/February. In the alternative, if this is a spring class, they will participate in a school mock trial that is not a statewide competition.

WORLD RELIGIONS AND MYTHOLOGY

Credits: 5

Grades: 9-12

Level: 3

This course will cover the religions of the Judeo-Christian-Islamic tradition and eastern religions, such as Hinduism and Buddhism. Students will explore, compare and evaluate the foundations, beliefs, practices and traditions of each religion. In addition, students will study the origins of mythology in the world and the beliefs of the ancient Sumerians, Egyptians, Chinese, Greeks, Romans and many others. Students will analyze mythology in the earliest civilizations and compare different religious beliefs of the ancient world. Students will analyze and evaluate how, what, and why humans believe.

CIVIC LEADERSHIP

Credits: 5

Grades: 11-12

Level: 3

This course will provide students with an opportunity to study, practice, and develop group and individual leadership and organizational skills. These skills include, but are not limited to the following topics or areas: leadership roles, civic responsibility, interpersonal relations, decision making, problem solving, and communication. Students will acquire the skills needed to be active, informed citizens who value diversity and promote cultural understanding by working collaboratively to address the challenges that are inherent in living in an interconnected world. This course takes a hands-on, lab-oriented approach to leadership by involving students in participatory leadership through project planning and implementation. Through this approach, students will prepare to be civic leaders of tomorrow, at the college, local, state, and national levels. Student leadership allows students to think creatively, make decisions, solve problems, visualize, know how to learn, and how to reason. In addition to serving the needs of a school and a community, this course addresses the needs of students as they prepare for college and the world of work.

WORLD LANGUAGES

CONVERSATION AND COMPOSITION

Credits: 5

Grades: 11-12

Level: 3

This is a communicative course for the college bound student that needs high school credit for a third year of a world language. This course will be offered in French, Italian and Spanish and is only for students who are not on the AP/Advanced track. This course continues the situational/practical use of language while expanding language skills. Skills in listening, reading, writing, and speaking in the target language, as well as cultural understanding are developed. Through written and oral activities you will develop skills that will make you effective communicators in the target language. Students enrolled in this course are not candidates for Advanced fourth year or AP world language course.

FRENCH I

Credits: 5

Grades: 9-12

Level: 2/3

This is an introductory course to the French language. The objective is to develop the skills needed for communication. The vocabulary and grammar necessary for the basic oral use and understanding of conversational French will be emphasized along with cultural aspects and career awareness. This course is only available to students who have never taken French.

FRENCH II

Prerequisite: French I

Credits: 5

Grades: 9-12

Level: 2/3

This course is an extension of French I which concentrates on developing a greater fluency in French with more extensive use of vocabulary, idioms, and grammar. Daily classroom conversation in the language permits more intensive practice in speaking and in listening comprehension. Again, both culture and career awareness are components of this course.

LA FRANCOPHONIE: FROM THE ALPS TO THE SAHARA

Prerequisite: French II

Credits: 5

Grades: 10-12

Level: 3

In this elective course, students will explore the cultural, historical, and linguistic heritage of several key francophone areas of the world. The term “francophonie” refers to the collective body of more than 100 million people worldwide who speak French, exclusively or in part, in their daily lives. French is spoken in 33 countries worldwide and, politically speaking, remains the second most important language in the world. The course will begin with an overview of France itself and its French-speaking European neighbors, Belgium, Switzerland and Monaco. From Europe, students will travel to French-speaking Quebec, then to the Caribbean with a focus on Haiti, and finally, back across the Atlantic to Northern Africa. Among the topics to be explored in French are current and past cultural trends in each of these countries, the struggle for identity in post-colonial francophone countries, and the growing impact immigration has on the expansion of “la francophonie” throughout the world, and even here at home. Students will be engaged in project-based learning throughout the course, which will be conducted in French.

FRENCH III

Prerequisite: French II

Credits: 5

Grades: 10-12

Level: 2/3

This accelerated course focuses on refining the basic skills of reading, writing, speaking, and listening comprehension. Students will study grammar with an emphasis on the written and spoken aspects of the language. Culture and career awareness continue to be a complement to the study of the language.

ADVANCED FRENCH IV

Prerequisite: French III and teacher recommendation

Credits: 5

Grades: 11-12

Level: 2

This course is offered for the student who wishes to continue the study of the French language in a more comprehensive manner. Complex grammar is examined while basic grammar is reinforced. Students enhance their reading skills as well as their cultural knowledge of the Francophone world through the use of selected texts. Speaking, writing, and listening skills continue to be challenged and developed.

AP FRENCH

Prerequisite: French IV and teacher recommendation

Credits: 5

Grades: 11-12

Level: 1

Advanced Placement French Language is a course offered to a select group of students who have completed French IV at the high school level and who have demonstrated a superior ability in the language. They will continue to refine and develop their communication skills in listening, reading, speaking, and writing. They will study more complex language patterns in writing and speaking to develop a stronger command of idiomatic French. Students will read selected texts and study authors of French literature to develop knowledge of the culture of France and French speaking countries. All students registered in this course are required to prepare for and participate in the AP examination administered nationally by the College Board in May as part of the course proficiencies. **The district's summer assignment if required.**

ITALIAN I

Credits: 5

Grades: 9-12

Level: 2/3

This course will provide a solid foundation in both spoken and written Italian. This introduction provides coverage of basic structures and vocabulary. This Italian I course stresses vocabulary, grammar, pronunciation, intonation, and communication. Use of the language in dialogues and drills encourages communication. Class discussions, projects, and role-play broaden the student's view of Italian life and culture. This course is only available to students who have never taken Italian.

ITALIAN II

Prerequisite: Italian I

Credits: 5

Grades: 9-12

Level: 2/3

This course is an extension of Italian I and emphasizes a greater fluency in written and spoken Italian. This course allows students to expand their ability to converse, read, and write while using more difficult points of grammar. There will be an emphasis on art, music, and Italian customs as well as career awareness.

ITALIAN III

Prerequisite: Italian II

Credits: 5

Grades: 10-12

Level: 2/3

This is an accelerated course. Advanced grammatical structures will be taught. This course will help students develop their written and oral proficiency. Students will study the Renaissance period and explore artists like Leonardo da Vinci and Michelangelo. Stress will be placed on the spoken aspects of the language through weekly orals based on real life situations.

ADVANCED ITALIAN IV

Prerequisite: Italian III and teacher recommendation

Credits: 5

Grades: 11-12

Level: 2

In this course, more difficult grammatical structures will be reviewed and discussed. Emphasis will be placed on reading, writing, and speaking. Some short stories by contemporary Italian writers will be read. In addition students will receive a background in Italian history from Roman times to present day Italy as well as a segment on career awareness.

AP ITALIAN

Prerequisite: Italian IV and teacher recommendation

Credits: 5

Grades: 11-12

Level: 1

Advanced Placement Italian Language is a course offered to a select group of students who have completed Italian IV at the high school level. They will continue to refine and develop their communication skills in listening, reading, speaking, and writing. This course will prepare students to demonstrate their level of proficiency across the three communicative modes (interpersonal, interpretive, and presentational). They will study more complex language patterns in writing and speaking to develop a stronger command of idiomatic Italian. Students will read selected texts and study authors of Italian literature to develop knowledge of the culture of Italy. All students registered in this course are required to prepare for and participate in the AP examination administered nationally by the College Board in May as part of the course proficiencies. **The district's summer assignment is required.**

SPANISH I

Credits: 5

Grades: 9-12

Level: 2/3

This course is designed to introduce students to the Spanish language through spoken and written discourse. Students will learn thematic vocabulary and basic grammatical structures through speaking, listening, reading, and writing activities. Students will become acquainted with the geography, history, culture, and the Moors of Spain, Mexico, and Latin America as well as career awareness. This course is only available to students who have never taken Spanish.

SPANISH II

Prerequisite: Spanish I

Credits: 5

Grades: 9-12

Level: 2/3

This course aims at achieving a greater fluency in Spanish by means of a more extensive utilization of vocabulary, idioms, and grammar. Students will practice listening, comprehension, through daily conversation, records, and tapes. The students will make full use of the printed word in Spanish to broaden vocabulary, grammar, and back-ground knowledge of the culture of the Spanish-speaking people along with a segment on career awareness.

SPANISH III

Prerequisite: Spanish II

Credits: 5

Grades 10-12

Level: 2/3

In this accelerated course advanced grammar will be studied and reviewed. National and international news, weather, and sports will be interpreted. Students will do selected readings on various aspects of Hispanic life. Listening and reading skills will be emphasized along with a segment on career awareness.

SPANISH II / III FOR HERITAGE SPEAKERS (Pending Board Approval)

Prerequisite: Placement Interview and Proficiency Assessment

Credits: 5

Grade: 9/1st Year Spanish Students

Level: 3

This class is designed for heritage learners who are proficient speakers and interpreters of Spanish. (Intermediate Mid-Advanced Low) The objectives of the course are to expand communication skills by focusing on the written language, grammar and structure. The course will also focus on cultural knowledge, including study of the students' own cultural heritage and beyond. Students will learn to use Spanish beyond familiar contexts by reading authentic literary selections of interest to adolescents and develop writing skills for academic and career purposes. At the culmination of this course, the student will receive an assessment to further determine the best placement based on achieved proficiency.

ADVANCED SPANISH IV

Prerequisite: Spanish III and teacher recommendation

Credits: 5

Grades: 11-12

Level: 2

This accelerated course strongly emphasizes speaking skills through the use of readers, posters, slides and stories. Grammar will consist of a review of five grammatical points, which cause the most difficulty to students as well as comprehension, listening, and aural/oral practice. Selected works written during the golden century, before the golden century, and during the twentieth century of Spanish literature will be read and discussed. Famous poets and painters and their works will be examined for cultural and sociological values and will be an integral part of the course as well as a segment on career awareness.

AP SPANISH

Prerequisite: Spanish IV and teacher recommendation

Credits: 5

Grade: 12

Level: 1

Advanced Placement Spanish Language is a course offered to a select group of students who have completed Spanish IV at the high school level. They will continue to refine and develop their communication skills in listening, reading, speaking, and writing. They will study more complex language patterns in writing and speaking to develop a stronger command of idiomatic Spanish. They will read selected texts and study authors of Spanish and Latin American literature to develop knowledge of the culture of Spain and Latin American countries. All students registered in this course are required to prepare for and participate in the AP examination administered nationally by the College Board in May as part of the course proficiencies. **The district's summer assignment is required.**

VISUAL AND PERFORMING ARTS

(Minimum of five credits required)

VISUAL ARTS

INTRODUCTORY ART

Credits: 5

Grades: 9-12

Level: 3

This introductory art class gives students an opportunity to learn about creativity and artistic expression. A variety of media such as ink, charcoal, pencil, markers, and found objects and collage are used to allow students to explore art. Students are introduced to a variety of art, artists, designers and career opportunities in art. You do not have to have previous art experience to be successful in this course!

INTERMEDIATE ART

Prerequisite: Introductory Art

Credits: 5

Grades: 9-12

Level: 3

This course is designed for students who are continuing their study of art in a variety of exciting 2D and 3D art forms such as 3D constructions, painting, printmaking, collage and drawing mediums. It builds on previous experiences in Introductory Art and allows students to develop their ideas. Students will become familiar with the work of artists and designers from western and non-western cultures and current contemporary art.

PORTFOLIO DEVELOPMENT

Prerequisite: Intermediate Art

Credits: 5

Grades: 11-12

Level: 3

This course is designed for students interested in advancing their art skills through creation of a body of work that showcases their skills and ideas in a professional manner. Assignments will show a breadth of art media, techniques and themes. Students will conduct an in-depth exploration of a theme and media that is significant to their artistic development.

AP STUDIO ART

Prerequisite: Teacher Recommendation

Credits: 5

Grades: 11-12

Level: 1

The AP program in Studio Art is a college level course intended for students who wish to pursue serious study in visual art. They must have had previous successful experience in art courses and be willing to devote considerable time and effort to the development of higher-level skills. It will emphasize art as an ongoing process that involves the student in critical and informed decision making. Students must submit a body of work within the guideline of either two-dimensional or three-dimensional design. It is the responsibility of the students to submit their finished work in slide format. Students will develop technical skills and become familiar with the complex functions of the visual elements. They will also be made aware of the various career opportunities available to them at varying levels of education. All students registered in this course are required to prepare for and participate in the AP examination administered nationally by the College Board in May as part of the course proficiencies. **The district's summer assignment is required.**

CERAMICS I

Credits: 2.5

Grades: 9-12

Level: 3

This course is designed to introduce the hand-building techniques using clay. The properties of clay, surface treatments, and glaze will be included. Students will gain knowledge of ceramics in art history as well as the use of critique.

CERAMICS II

Prerequisite: Ceramics I

Credits: 2.5

Grades: 9-12

Level: 3

This course is designed to continue the study of students' personal expression through advanced hand-building methods as well as the potter's wheel. Students in Ceramics II will explore in-depth concepts emphasizing famous and/or contemporary artists through their 3-D sculptures.

CERAMICS III (Pending Board Approval)

Prerequisites: Ceramics I and Ceramics II:

Credits: 5

Grades: 10-12

Level: 3

This course is geared to the student who is motivated to undertake very ambitious work in clay and further their understanding of ceramic art as a means of artistic expression and possible pursuit of study in college or future profession. Considerable freedom is afforded to students who have demonstrated proficiency in working with clay. The goal for this course is to provide the advanced student the opportunity to grow in a setting with ambitious peers and to produce works toward a sophisticated portfolio for the college/art school application process and for submission in juried art competitions and exhibitions. Student work must reflect well thought-out and ambitious planning. Students will explain or justify themes and aesthetic decisions, making connections to art history whenever possible.

COMPUTER ART I

Credits: 2.5

Grades: 9-12

Level: 3

The course is designed to introduce the computer as an art tool to the student. Students will explore art, and design through problem solving projects primarily using Photoshop. Art History and appreciation will be explored through collaborative research projects using Advanced Power Point presentations. Art careers centering on computer application will be reviewed.

COMPUTER ART II

Prerequisite: Computer Art I

Credits: 2.5

Grades: 9-12

Level: 3

This course is designed to continue the study of students' personal expression through computer-generated art and graphic design. The course has an in-depth exploration of art, design and illustration emphasizing career-oriented projects. These projects will entice student's interest in pursuing a career combining the arts and computers. Student will be introduced to Advanced Photoshop techniques. The use of the digital camera, scanned images and internet research will be incorporated into students' expression and creation of 2D art and design.

COMPUTER ART III (Pending Board Approval)

Prerequisites: Computer Art I and Computer Art II

Credits: 5

Grades: 10-12

Level: 3

This course is designed to continue the in-depth study of students' personal expression through computer generated art and graphic design. Students will advance their Photoshop® skills into other computer programs such as In-Design and Illustrator. History of graphic design will be marketing materials, and packaging design will be executed. The use of digital cameras, scanned images, and internet research will be incorporated into students' expression and creation of 2D Art and design.

PERFORMING ARTS

BAND

Credits: 5

Grades: 9-12

Level: 3

Band is a performance-oriented-class open to any students who have achieved reasonable proficiency on a band instrument. The course of study is designed to promote improvement in musicianship. The class will provide a varied series of enriching and rewarding musical experiences that will serve as culminating performances for a period of intensive study and rehearsal. Other related musical material will be presented for study including information on careers in music. Students in Band may also audition to perform in the All Shore Symphonic Band which is made up of students in high schools throughout Monmouth and Ocean counties.

JAZZ BAND

Prerequisite: Teacher Recommendation

Credits: 5

Grades: 10-12

Level: 3

Jazz band is the premier instrumental ensemble at OTHS. This course is not for the beginning music student. It is an auditioned ensemble intended for the most dedicated students, Jazz Band is open to all students who have an advanced proficiency on any jazz instrument (all saxophones, trumpet, trombone, guitar, bass, piano, and percussion.) All students must be fluent in reading music notation. A wide variety of challenging music is rehearsed throughout the course. Jazz playing and soloing is stressed for members of this group. In addition to the Winter and Spring concerts, the students may choose to also be a part of our extracurricular Jazz Band, which enjoys a busy performance schedule for the school and surrounding community. Students in this course may also audition to perform in the All Shore Jazz Band which is made up of students in high schools throughout Monmouth and Ocean counties.

MUSIC I

Credits: 5

Grades: 9-12

Level: 3

Music I is designed to give students a broad overview of topics in music with a focus on reading and writing music. This course will introduce students to the basics of music theory including pitch, rhythm, melody, harmony, scales, intervals, and chords. Music I will also introduce students to proper playing techniques on the keyboard and guitar. Students will also practice performance etiquette techniques while performing during in-class performances.

MUSIC TECHNOLOGY

Credits: 5

Grades: 9-12

Level: 3

This course is intended for the creative student looking to explore songwriting, music, technology, and marketing in the music industry. Students will learn to compose music of different genres and styles in various individual and collaborative musical environments. In addition, students will integrate music and effects into other aspects of technology and media such as film scores and podcasts. Students will work with different types of software to record and edit audio throughout the course. Additionally, students will be able to write, create and market their own music CD by the end of the course. This course is primarily focused on the growing field of 21st century electronic music and technology incorporated in the production process, but will also touch on the basics of music theory.

CHORUS

Credits: 5

Grades: 9-12

Level: 3

Chorus is the entry level choral ensemble at the high school. The Chorus focuses on the basic skills needed to sing in a choir at the high school level. Topics will include music reading, sight singing, proper vocal technique and solo vs. ensemble singing. The Chorus will apply these skills to a variety of music for mandatory performances in the Winter and Spring choral concerts.

CHAMBER CHOIR

Prerequisite: Audition and membership in Chorus

Credits: 5

Grades: 10-12

Level: 3

The Chamber Choir is the premiere choral ensemble at OTHS. Intended for only the most dedicated students a wide variety of challenging music is rehearsed throughout the year. In addition to the Winter and Spring choral concerts, the Chamber Choir enjoys a busy performance schedule for the school and surrounding community. On occasion, some performances fall outside of normal school hours.

ACTING I

Credits: 2.5

Grades: 9-12

Level: 3

This is a beginner level Performing Arts course that is ideal for students who want to explore the vast world of acting. Students will hone their performance skills as an aspiring actor, but the class also supports students in developing better public speaking skills and gaining confidence speaking in front of groups. Acting I is an exercise and game-based course, that uses pantomime and improvisation to build acting skills. Students will develop stage terminology through the art of directing, and partner up for scripted material which is memorized, rehearsed and performed in class.

ACTING II

Prerequisite: Acting I

Credits: 2.5

Grades: 10-12

Level: 3

This course is a more advanced level Performing Arts class designed to follow after Introduction to Acting. Students can push themselves to refine their performance skills while enjoying even more exciting acting exercises. In Acting II students will be challenged to play more advanced improvisational games, in solos, pairs, and groups. We then focus on the world of acting for the camera and auditioning. Moving from the film industry of L.A. to the bright lights of Broadway, the class will get the opportunity to dabble in all the realms of a professional show. They will explore a role of their choosing whether it be in acting, scenic design, painting, costuming, makeup, lighting, and more! Last but certainly not least, the students will take the stage performing scripted monologue material. I urge anyone who took Acting I students 9-12 to continue the fun with me and further explore all performing arts has to offer.

PERFORMANCE PRODUCTION

(Pending Board Approval)

Credits: 5

Grades: 9-12

Level: 3

Not just for the aspiring actor, but for anyone creatively inclined. This is a non-performance based, hands on course which lets students explore the many elements of the stage. Learn techniques in theatrical careers including but not limited to scenic painting, set construction, costuming, stage makeup, lighting, sound, set design, publicity, and even stage combat. Expand your view of live theatre through a series of projects from behind the scenes perspective.

DANCE AND CHOREOGRAPHY I

Credits: 5

Grades: 9-12

Level: 3

In Dance and Choreography I, students will learn to appreciate dance as an art form. Students will be familiarized with the history of many dance genres and will be able to demonstrate proficiency in the techniques of jazz, modern, and ballet dance styles. Students will learn and utilize basic dance terminology as well as understand stage concepts through performance. Dancers will gain practical experience in movement invention and choreography. They will also be able to identify the elements of time, space, energy, and theme as they pertain to all dance forms, while demonstrating a working knowledge of basic kinesiology. Evaluation occurs daily through participation and skills testing. Students must wear approved dance clothing and adhere to proper dance guidelines.

DANCE AND CHOREOGRAPHY II

Prerequisite: Dance and Choreography I

Credits: 5

Grades: 10-12

Level: 3

Provides an opportunity for highly motivated students to channel and further develop their interests and talents in dance. The class prepares students for a performance and to choreograph their pieces to be presented during the course. The dancers will develop self-discipline, analytical and critical thinking skills and an appreciation to choreography. Students will participate in a variety of creative and performance opportunities in several dance genres such as; ballet, jazz, modern, and contemporary.

PUBLIC SPEAKING

Credits: 2.5

Grades: 9-12

Level: 3

Public Speaking is a course designed to improve oral communication. Writing, reading, listening, and thinking skills are strengthened through the preparation and presentation process of speech-making. The course allows the student opportunities to engage in a variety of speaking experiences reflective of personal academic, business, and media oriented settings. Student speeches are evaluated by their peers and the teacher as students learn to speak effectively, competently, and confidently to a group.

21ST CENTURY LIFE AND CAREERS

(Minimum of five credits required)

APPLIED TECHNOLOGY

INSTRUCTIONAL TECHNOLOGY (REQUIRED)

Credits: 2.5

Freshman Academy

Level: 3

The primary focus of this course is to provide all freshman students with the foundation necessary to integrate technology across the curricula. Using online reference sources and selected databases, students will be instructed in basic research techniques. They will gather, evaluate, and prepare information on cross-content topics. Emphasis is placed on encouraging and instructing students to develop computer skills that will assist them in their learning.

21ST CENTURY CAREER AND COLLEGE SEMINAR

Prerequisite: Instructional Technology

Credits: 5

Grades: 10-12

Level: 3

This course is a continuation of the skill set introduced in Instructional Technology for the college bound student. The 21st Century Career and College Seminar is designed for 10th, 11th and 12th grade students who elect to take a course providing the structures to maximize their academic achievement. It also applies the professional decorum necessary to grow as community members and future college and career participants. The course will examine the skills needed for college and beyond including 21st century skills in technology, collaboration, presentation, online learning, reading and writing for college and the workplace. Students will use Naviance as the curricular core to chart their interests and post-secondary plans. The 21st Century Career and College Seminar assists students as they learn to become effective team members, citizens of the community, life-long learners, effective researchers and communicators, while adapting to change in a ever-expanding world.

DIGITAL PHOTOGRAPHY I

Credits: 2.5

Grades 9-12

Level: 3

Beginning with the study of the camera's functions and quality picture-making composition, students will explore an overview of the many aspects of digital photography. With a focus on hands-on, project-based learning, students will use digital cameras to create a variety of images utilizing both natural and artificial light. Students will also learn basic photo retouching techniques and artistic image manipulation utilizing industry standard photo editing software. Additionally, the course will address the history of photography, influential photographers, photographic careers, and the effective assembly of a comprehensive digital image portfolio.

DIGITAL PHOTOGRAPHY II

Prerequisite: Digital Photography I

Credits: 2.5

Grades: 10-12

Level: 3

Digital Photography II builds upon the concepts and techniques students have learned in Digital photography I. In this predominantly hands-on course, students will develop and explore themes through the use of a camera, utilizing both natural and artificial light. The aim of this course is to help students find their "Visual voice" across a range of photographic applications, including portraiture, photojournalism, fine art, fashion, still life, macro and more. Advanced studio lighting techniques, composition, camera manipulation and post-production work flow will be addressed as well. Industry standard software such as Adobe Lightroom and Adobe Photoshop will be utilized and the development of a professional photography portfolio will be one of the course's final products.

MAKERSPACE I (Pending Board Approval) Level: 3
Credits: 5 Grades 9- 12

Create, invent, and learn! MAKERSPACE I is a platform for students to explore a variety of hands-on projects. A combination of lab, shop, and idea incubator, this course serves as a multidisciplinary collaborative studio space for creative endeavors. Rooted in the Design Process, its aim is to provide students with an exciting overview of the latest trends in technology, including Robotics, 3-D Design and Printing, Basic Electronics, Prototyping and more. Science, Technology, Engineering, Art and Math (STEAM) – there’s something here for everyone! Students will become familiar with techniques and skills, gaining invaluable real-world experience as they explore state-of-the-art software, gear and processes used across a number of industries.

MAKERSPACE II (Pending Board Approval) Level: 3
Prerequisite: MAKERSPACE I/Digital Media Design
Credits: 5 Grades: 9-12

Utilizing the concepts addressed in MAKERSPACE I, this course serves as a platform for students to explore a variety of hands-on projects. A combination of lab, shop, and idea incubator, this course serves as a multidisciplinary collaborative studio space for creative endeavors. Rooted in the Design Process, its aim is to provide students with an exciting overview of the latest trends in technology. Intermediate skills and concepts in Robotics, 3-D Design and Printing, Basic Electronics, Prototyping and more will be addressed. Additionally, we will explore laser cutting and engraving, CNC routing and milling, vacuum forming and vinyl cutting. Science, Technology, Engineering, Art and Math (STEAM) – there’s something here for everyone! Students will become familiar with techniques and skills, gaining invaluable real-world experience as they explore state-of-the-art software, gear and processes used across a number of industries.

LIVE BROADCAST & EVENT PRODUCTIONS (Pending Board Approval) Level:3
Credits: 2.5 Grades: 10-12

This course is designed for students interested in learning how to produce multi camera live broadcasts and events. Students will work together in a studio environment learning the production tools necessary to film, broadcast and edit a live studio/event production. This course will require participation both in front of and behind the camera, utilizing software such as Adobe Premier Pro CC, Photo Shop, Audition, and Encoder. Students will also learn how to manage and operate various tools such as Multi Camera Switch, Cameras, Studio Lighting, and Multiple Microphone Setups.

TV PRODUCTIONS Level: 3
Credits: 2.5 Grades: 11-12

This course provides students with experience in television production skills and techniques. Through a variety of presentations, demonstrations, and projects, students will gain competency in: studio production work of still picture, music videos, action videos, commercials, short film creation, camera use and care, microphone use and care, sitcom and film reviews, switcher and studio cameras, nonlinear editing machines, and software, story board and video script preparation. This course is recommended for students planning a career or related career in communications. Careers in communications that are related to this course will be discussed. All video projects will be created and/or edited on digital videotape provided to each student/group. The student will create a DVD of their work for his/her portfolio upon the completion of the class.

BROADCAST MEDIA

Prerequisite: A grade of 90 or better in TV Productions I and/or Teacher Recommendation

Credits: 5

Grade: 12

Level: 3

This course is designed for the student interested in a broadcast television and film production experience. Students will work cooperatively in a studio setting to produce television programs to be aired on cable TV, using skills developed in TV I. Script writing, event videotaping, and editing will be all tied together in a formal production suitable for release, either as television programs or short films.

PC HARDWARE: BUILDING, TROUBLESHOOTING AND REPAIR

Prerequisite: Algebra I

Credits: 5

Grades: 10-12

Level: 3

This course is designed to teach the systematic and ordered approach to the basic principles of PC hardware, troubleshooting and repair. Including a basic knowledge of PC components, their function and how to use and install Windows and Linux Operating systems. The course begins with basic hardware theory and transcends into shopping for components to complete a full PC build. It provides a mathematical foundation in diagnosing common symptoms and catastrophic failures as well as proper hardware handling and removal and re-installation of common components. It is recommended that students have Algebra I level math skills, be familiar with basic Windows operating systems, navigation and menu and be able to use small hand tools.

GAME DESIGN WITH JAVA PROGRAMMING

Prerequisite: 80 or better in Algebra I and Teacher recommendation

Credits: 5

Grades: 10-12

Level: 3

This course makes it fun to learn object-based programming. Through a variety of visual programming languages, students will use 3D animation to build virtual worlds inhabited by objects from the real world. This course is also designed for students who are interested in learning programming through games and simulations. The course follows the program Greenfoot which uses games and simulations to teach object-oriented concepts and principles in a fun, easily accessible manner. Topics covered will include syntax of JAVA language and problem solving using the special characteristics of the language.

INTRODUCTION TO COMPUTER NETWORKING

Prerequisite: Algebra I

Credits: 5

Grades: 10-12

Level: 3

This course provides a technical and operational overview of digital computer networks, the foundation for all modern information systems and services. In this course, you will learn basic numerical system behind IP addressing, major software and hardware technologies used on home and enterprise computer networks, as well as the global internet. This course will emphasize the critical importance of open network standards and protocols, which allow software and hardware from a variety of vendors. In addition to exploring the capabilities and limitations of today's most popular networks, including Ethernet, Wi-Fi, and Cellular, we will also cover topics closely related to networks, including security, operational management, error analysis, and networked applications. Students will set-up a working home network, provide it with security and learn how to use it in a variety of practical ways. (Gaming, streaming media, file sharing, remote PC control, algorithm encryption)

PUBLICATION MANAGEMENT

Credits: 5

Grades: 9-12

Level: 3

Students enrolled in this course will develop the knowledge and skills required to become successful in careers reliant upon desktop publishing. This course will explore desktop publishing as it pertains to the marketing, magazine, and advertising industries. Students will gain practical experience in laying out magazines and creating integrated business materials, while learning the foundations of graphic communications, journalism, typography, and photography. Furthermore, they will obtain the knowledge needed to produce printed media such as advertisements, brochures, menus, and business materials. As students become proficient, they will assist in the production of various school-wide projects.

BUSINESS

FINANCIAL LITERACY (THIS IS A REQUIRED FRESHMAN ACADEMY COURSE)

Credits: 2.5

Grades: 9-12

Level: 3

This course is an introduction to the basic concepts and generally accepted accounting principles underlying the accounting cycle. Several important concepts will be studied in detail, including: the accounting cycle, accounting for assets, liabilities, and equity, understanding business information, and accounting for a sole proprietorship. Additionally, this course emphasizes the construction of the basic financial accounting statements, the income statement, balance sheet, and cash flow statement. This accounting course will prepare students for post-secondary accounting courses, and accounting series events in DECA.

ACCOUNTING

Prerequisite: Financial Literacy

Credits: 5

Grades: 10-12

Level: 3

This course will introduce students to the fundamental concepts of personal finance and basic skills in accounting. Familiarity with these topics will enable students to effectively interact with financial professionals throughout their lives. The course will also help students to understand and develop an appreciation for financial priorities of individuals and business entities.

INTRODUCTION TO FINANCE AND ECONOMICS

Credits: 5

Grades: 11-12

Level: 3

This course introduces the basic concepts in order for students to understand the economy. The course begins with microeconomics, which focuses on consumer and firm behavior. In the second part of the course students will focus on macroeconomics, which involves the study of the economy as a whole, issues related to output, unemployment, productivity, inflation, and growth. The course is designed to develop an understanding of how economic principles and analysis can be used to study social problems and issues. This introductory course will provide students with a foundation to pursue AP/Micro/Macro Economics.

CRIMINAL AND PERSONAL LAW

Credits: 5

Grades: 10-12

Level: 3

This course is designed to present students with an overall knowledge of our legal system. Topics include our court system, the criminal justice system, the juvenile justice system, crimes, trial procedures, and tort law. A mock trial will be conducted, courts and prison will be visited, and guest speakers will provide students with a realistic exposure to the law. Students will have the opportunity to participate in oral mock-trial presentations as an alternate means of assessing their understanding of real trial procedures and the roles played by the participants in our legal system. Contract law establishes the ground rules that ordinary people can use to define their rights or duties. Credit, sales, employment, consumer, family, and individual rights and liberties are topics also covered in this course.

MARKETING

Credits: 5

Grades: 9-12

Level: 3

This course is designed to present students with the overall knowledge of marketing goods and services in today's global marketplace. The ever changing needs and wants of consumers make buying, selling, pricing, advertising, and display-work exciting challenges. Students are also given the opportunity to join DECA, a career technical service organization that competes against other schools at regional, state, and national events. Students will also expand their knowledge of marketing by learning how to develop a marketing plan. The elements of public relations and publicity strategies will be covered. As there are many activities associated with marketing practices, original visual and oral presentations created and developed by the students individually and as members of teams will be required.

ENTREPRENEURSHIP

Prerequisite: Marketing or Accounting or Prior state level competition qualifier in DECA

Credits: 5

Grades: 10-12

Level: 3

This course will introduce the concept of Entrepreneurship while examining the risks inherent in starting, owning, and operating a business. It will stress the importance of Entrepreneurship to our economy. Additional work will be devoted to business plans, financial plans, and management strategies. As there are many activities associated with entrepreneurial practices, original visual and oral presentations created and developed by the students individually and as members of teams will be a required part of this course.

BUSINESS MANAGEMENT

Credits: 5

Grades: 9-12

Level: 3

This course is designed to introduce students to business operations from the entrepreneurial and management perspective. Finance, marketing, and human resources are some of the topics explored along with interesting real-world features and an overview of management. Students will explore the history of management and compare management approaches and philosophies. Additionally, the course will teach data analysis and decision-making in a realistic, investigative, and enriching manner. All functions of business management are covered extensively, including the use of technology and communication as tools of business. Students will enjoy exploring the global dimension of business and possible career opportunities. This business management course will prepare students for post-secondary business courses and business events at DECA.

FAMILY AND CONSUMER SCIENCE

FOODS I

Credits: 2.5

Grades: 9-10

Level: 3

Learn the culinary basics of cooking and baking, and how to do it safely. Explore the diversity of America's regional cuisines. Foods I will teach you the art of and science of preparing foods that are nutritious and tasty. Experience the personal satisfaction of knowing how to measure and follow a recipe, resulting in culinary success.

INTERNATIONAL/CREATIVE FOODS

Prerequisite: Foods I

Credits: 5

Grades: 10-12

Level: 3

Students will have various culinary experiences as they learn about nutrition, yeast breads, meats, fish, poultry, legumes, soups, salads, cakes, and pies. Students will also learn the art of shopping for food, meal management, and menu planning. After further study, students will prepare recipes involving herbs and seasonings, sauces, and candy making. Creative food projects such as gingerbread houses, cake decorating and candy crafting will be completed. Guest speakers from the culinary field will give students insight into the career of a chef and other professional opportunities.

INTERIOR ENVIRONMENT

Credits: 5

Grades: 9-12

Level: 3

Students in this course will learn about many aspects of housing and be given the opportunity to apply this knowledge during several hands on activities. Topics include the elements and principles of design, drawing floor plans, flooring, wall and window treatments, furniture selection and arrangement, lighting, and kitchens. Each student will design and draw a house plan to scale and create a decorating plan for it as an in-class final project.

CHILD GROWTH AND DEVELOPMENT

Credits: 5

Grade: 12

Level: 3

Students will become familiar with the stages of development from prenatal to age four. Topics include teen pregnancy and preschool education as well as prenatal development through age four. During this course, students will have the opportunity to work with three and four-year-old children as teachers for OTHS Little Red Preschool, which is run by the students and directed by the teacher.

TOMORROW'S TEACHERS

(Pending Board Approval)

Credits: 5

Grades: 10-12

Level: 3

The goal of the Tomorrow's Teachers course is to assist students interested in teaching to develop the interpersonal and leadership skills necessary for a career in education through project-based learning. Students learn the fundamentals of education by participating in a field experience. This course enables students to: become well-acquainted with themselves as individuals, learners, and community members; appreciate the diversity of others; and examine various stages of learners; gain insight into the structure and function of school systems; learn the requirements for certification; become acquainted with the personal and professional roles of educators through the field experience; and create a portfolio of their field experience.

SCIENCE

DISCOVERY SCIENCE

Credits: 5

Grades: 9-12

Level: 3

Throughout this course, students will learn how to apply modern day techniques and use their newly acquired reasoning skills to model field work research and mimic the actual steps a 21st century scientist takes to discover new theories. Students will be able to comprehend how experiments and previously conducted research are the backbone to all discoveries within the scientific community. This course will provide multiple opportunities for hands-on research and projects. There will also be an emphasis on student-centered instruction.

HUMAN ANATOMY AND PHYSIOLOGY

Prerequisite: Biology

Credits: 5

Grades: 10-12

Level: 3

This course is designed for students interested in entering the allied health professions (doctor, nurse, EMT, athletic trainer, occupational therapist, nutritionist, etc.) The lab-based curriculum provides many opportunities to explore how the human body works. Each body system will be investigated and interactions between body systems will be explored. Whenever possible, students will practice skills they will need in the medical workplace, such as designing experiments, reading x-rays, communicating with patients, and taking vital signs. At the end of the course, students will perform a dissection to examine all the body systems in detail. This course will provide students with the background knowledge and skills to succeed in an undergraduate or technical training program. There will also be an emphasis on student-centered instruction.

ASTRONOMY

Credits: 5

Grades: 9-12

Level: 3

This elective will examine the state of Astronomy today beginning with the relationship among the Earth, Moon and Sun and leading to an in-depth survey of our solar system, local galaxy, galaxy and galaxy clusters. The history and current usage of telescopes, probes, and rovers used to explore the solar system will be examined. The nature and life cycle of asteroids, meteors and comets, and the global effects of possible collision are investigated. Finally, students will look at the existence of stars including our own (the Sun) and their destiny as supernovas or black holes. Students will eventually explore life beyond our solar system and follow the search for planets in the "Goldilocks Zone" (just right for supporting life).

FORENSIC SCIENCE

Prerequisite: Biology

Credits: 5

Grades: 10-12

Level: 3

This elective will explore the application of basic biological and chemical principles, as well as the technological practices used for the purpose of justice in the study of criminal issues. Major themes of study in this course include: proper methods of crime scene investigation and evidence collection. Students will have the opportunity to analyze various types of evidence such as: fingerprints, ballistics, and DNA along with other types of trace evidence. There will also be an emphasis on student-centered instruction.

MARINE SCIENCE

Credits: 5

Grades: 9-12

Level: 3

This semester elective will offer students the opportunity to explore the marine environment. Plant and animal life and the ocean as a marine ecosystem will be actively discussed. Other related topics include: chemical/physical characteristics of the ocean, i.e. tides, currents, waves, the ocean floor, the shoreline, estuaries, salt marshes, and the interactions of the ocean with the atmosphere. Sea animal dissections will be a component of this course. Activities will focus on problem-solving and critical thinking skills.

SPORTS MANAGEMENT

INTRODUCTION TO SPORTS MEDICINE

Prerequisite: Teacher recommendation required

Credits: 5

Grades: 10-12

Level: 3

This course will introduce the student to the fields of allied health care and sports medicine. Career exploration will include athletic training, medicine, physical therapy, emergency medicine, nursing, exercise physiology, nutritionist/dietician, and personal fitness training. Topics will include but are not limited to: prevention, care and rehabilitation of sports related injuries, basic anatomy and physiology, emergency care, strength and conditioning, nutritional aspects, fitness and wellness. Students will have the opportunities to develop their skills and knowledge through the use of various text, visual and hands-on experiences. Guest lectures and field trips will also be utilized in this course.

SPORTS AND ENTERTAINMENT MARKETING

Prerequisite: Marketing

Credits: 5

Grades: 10-12

Level: 3

This course is an introduction to the sports and entertainment marketing industry. Students will have the opportunity to develop skills in branding, licensing, promotion, the sports market, the entertainment market, market research, and event organization. Additionally students will utilize Virtual Business™ Sports & Entertainment simulation software to develop and demonstrate an understanding of course concepts. This course will prepare students for post-secondary courses in sports and entertainment marketing, and sports and entertainment marketing events in DECA.

SPORTS AND ETHICS: THEIR HISTORICAL ROLE IN AMERICAN SOCIETY AND CULTURE

Credits: 5

Grades: 9-12

Level: 3

This history elective class will examine the development of sports and ethics in America from colonization. The course will examine sport experiences in colonial America, the antebellum health reform movement, sport and social changes during the progressive era, and the globalization of modern sports. Our historical study will focus on helping students gain a better understanding of the inner relationship that sports and ethics has on social, economic, cultural, and political forces that are at work in the United States, as well as the world. Students will examine historical context regarding the significance of gender, race, ethnicity, and social class. Units and themes will examine the role sports have played in the American economy, labor negotiations, the civil rights and women's rights movements, and globalization in the 20th and 21st centuries.

MONMOUTH COUNTY VOCATIONAL-TECHNICAL DISTRICT

Monmouth County Vocational School District has a wide variety of programs available to high school students and other residents of Monmouth County.

SHARED TIME VOCATIONAL PROGRAM

Shared time programs are two-year occupational programs and are normally attended by students in their junior and senior years of high school. Required academic courses are taken at Ocean Township High School in either the AM or PM. Timely application is appreciated and necessary for the more popular programs since they become fully enrolled early. All courses are occupationally approved trade programs. In addition to the 15-20 credits earned at Ocean Township High School students will earn credits in Math, Science, and Vocational Education. The cost of vocational training is borne by the Ocean Township Board of Education, which also provides bus transportation between the high school and the vocational school at no charge to the student. However, if the particular program includes an internship senior year, the student must provide his own transportation. Students interested in attending the vocational school must complete an online application for admissions, and provide a copy of their school record. Application deadline is March 23, 2016. Admission is determined by the vocational school on the basis of the school record. **Interested students are strongly advised to arrange for a tour of the facilities with their parents before selecting an appropriate program. A complete description of all vocational programs is available in the high school counseling office or at www.mcvsd.org.**

SHARED TIME SPECIALIZED PROGRAMS

Architecture/Construction—Carpentry, Electricity, Heating, Ventilation and Air Conditioning, and Residential & Commercial Plumbing & Pipefitting

Commercial Art— Graphic Art Illustrator

Health Science—Allied Health, Dental Assistant, Health Occupations/Dietary Aid, Patient Care/Medical Assisting, and Certified Nursing Assistant

Hospitality and Tourism—Culinary Arts

Human Services—Cosmetology

Transportation, Logistics and Distributions Services—Auto Services, Auto Collision Repair, Auto Mechanics, Diesel Mechanics, and Marine Engine & Boat Repair

Career Center offers a variety of vocational programs for students with special educational needs. Students are assessed by the Career Center Learning Specialists and the Ocean Township High School child study team.

Programs include: Auto Services, Baking, Building Services, Building Trades, Food Service, Health Occupations, Horticulture Floral, Horticulture Landscaping, Marketing Education, Materials Handling, Computer & Business Applications, Supermarket Careers.

Full Time Program for Juniors & Seniors: Academy of Law & Public Safety

ADMISSIONS PROCEDURES:

1. Qualified pupils should be entering the eleventh or twelfth grade.
2. The Monmouth County Vocational School District will be using an online application, which will be available on January 22, 2016. They will not accept applications prior to January 22, 2016. To access the application after January 22, 2016, visit www.mcvsd.org and select the admissions tab. Select MCVSD Shared Time Application and you will access the online application. Select New Users Signup Here and complete the registration information. After you have registered you will be able to complete the shared time application.
3. Complete the required application. You will need your school counselors email address to complete the application. Your school counselor will receive an email indicating you are applying to MCVSD and requesting they provide your school transcript.
4. **Application deadline is March 23, 2016.**

EDUCATIONAL PLAN OPTIONS

ACADEMIC SUCCESS PROGRAM

The Academic Success Program identifies and aids students who are in need of supplemental instruction to pass the state mandated assessments. Students do not elect the courses in this program. Instead, they are identified by multiple measures determined by the district and the state. Students who continue to be in need of basic skills improvement because they have not passed the state mandated assessments or scored below minimum levels of proficiency standards established by the district and state must participate in the program.

ENGLISH LANGUAGE LEARNERS (ELL)

English Language Learners (ELL) courses are offered to high school students from other countries who have various levels of facility with the English language. The structured environment of the ELL class is necessary for these students' rapid acquisition of English and smooth transition into the mainstream programs. Students are instructed in the basic skills of English: listening, speaking, reading, and writing. Attention is given to English vocabulary acquisition and to relevant cultural differences between the students' home countries and the United States.

SPECIAL SERVICES

The Township of Ocean Public School District endeavors to provide the "least restrictive environment" for each child. Ocean Township High School provides a continuum of individualized programs to meet each student's unique learning needs.

In Class Resource occurs in general education classrooms for students with an IEP designation for this placement that require assistance in the areas of curriculum reinforcement and varied instructional strategies. This model provides students with an opportunity to interact with general and special educators in a collaborative manner that seeks to maximize educational experiences and enhance learning in the general education classroom.

A Resource Center program provides replacement curriculum for those students with disabilities requiring a differentiated approach to curriculum requirements. The Resource Center program parallels the general education curriculum. Courses are designed to incorporate state and national standards with appropriate modifications as well as provide small group instruction, using a multi-modal approach to learning.

MONMOUTH COUNTY ARTS HIGH SCHOOL

Gifted and ambitious art students from Ocean Township High School can audition for this release time program. Attendance, behavior and academic standing at Ocean Township High School are considerations for approval to attend. Students who audition and are accepted to this highly competitive program attend one, three-hour class per week from January to May. Programs available include creative writing/poetry, modern dance, music composition, instrumental music/jazz ensemble, vocal music/broadway singing and musical theater, theater arts, visual arts/painting and drawing and visual arts/photography. Further information and applications are available in the Ocean Township High School Counseling office, or visit www.artshigh.net.

SOME QUESTIONS TO ASK YOURSELF

In planning a high school program and the courses best suited to you, you will need to ask yourself several important questions:

1. What do I wish to do after high school? Will this require further education beyond high school? If so, what sort of school will be required-college (four year or two year), nursing or business school, or technical institute? What are the entrance requirements for the school I would like to attend? If further schooling is not required, what courses in high school will be most valuable to me in attaining my occupational goal?
2. What strengths and weaknesses do my school marks show to date?
3. What are my chief interests in school and out of school? Are they in line with my life work plans?

As you begin to discover the answers to these questions, focus your attention to the following:

1. Give careful consideration to vocational goals that encompass aptitudes, interests, and academic achievement.
2. Select subjects required to meet your vocational and educational objectives.
3. Contact your school counselor regarding any problems you may have.
4. Have the schedule approved by parents and school counselor.

SUGGESTED TIPS FOR SUCCESS

- 1) Get to know:
 - a) Teachers
 - b) Counselors
 - c) Media center specialist
 - d) Department supervisors
 - e) Secretaries
 - f) Student activities advisors
 - g) Administrators
 - h) Security personnel
 - i) Nurses
- 2) Seek help from teachers and support staff.
- 3) Keep absences to a minimum.
- 4) Arrive to school on time.
- 5) Discuss progress with parents.
- 6) Review nightly class notes and homework.
- 7) Dress for learning.
- 8) Make up homework and missed assignments promptly.
- 9) Participate in school activities.
- 10) Take advantage of tutorial assistance* such as:
 - a) Peer tutoring
 - b) After school tutoring with classroom teachers
 - c) Help and Homework Center

**Contact your counselor for details.*

TOWNSHIP OF OCEAN SCHOOL DISTRICT

BOARD OF EDUCATION

Joseph Hadden, President
James Dietrich, Vice President
Steven Clayton
David C. Marshall
Amy McGovern
Sean P. Moore
Michael Palutis
Denise Parlamas
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CENTRAL OFFICE ADMINISTRATION

James Stefankiewicz, Ed. D., Superintendent
Marion Conrad, Assistant Superintendent/Curriculum
Denise Ricciardi, Assistant Superintendent/Special Services
Kenneth Jannarone, School Business Administrator/Board Secretary

AFFIRMATIVE ACTION

It is the policy of the Township of Ocean School District not to discriminate on the basis of race, color, creed, religion, sex, handicap, ancestry, age, national origin, social or economic status, parenthood, or marital status in its educational programs or activities and employment policies as required by Title IX of the Educational Amendments of 1972 and N.J.A.C. 6:1.1 et.seq. Inquiries regarding compliance may be directed to:

Christine Fogler, Affirmative Action/504 Officer
Township of Ocean School District
163 Monmouth Road
Oakhurst, New Jersey 07755
732-531-5600 x 3600