

## THE ACADEMIC INSTITUTES AT TEANECK HIGH SCHOOL

Teaneck High School is excited to announce, “**THE ACADEMIC INSTITUTES AT THE CASTLE ON THE HILL.**” To ensure our students are well equipped to meet the demands of the 21<sup>st</sup> Century, students will have the option to select an area of concentration from the Academic Institutes listed below.

### THE ACADEMIC INSTITUTE OF BUSINESS

The course offering in the Academic Institute of Business are aligned to national and state standards for academics and 21st Century life and career skills. The selected courses will prepare students for a career path in business by exposing students to the needs and challenges of a global 21st Century economy. Open to all students, the following requirements must be completed to graduate with endorsement from *The Academic Institute of Business*.

**In addition to fulfilling the 1 year state graduation requirement, students must select and pass 4 additional courses from the list below. (Total = 5 courses).**

**A student who earns a grade of "B" or higher in each elective, and has a cumulative weighted GPA of 3.0 or higher, will graduate with a special distinction designation on his or her diploma.**

Dynamics of Business	Introduction to Accounting	Marketplace Investing (H)
Money Power with Technology Applications	Financial Accounting (H)	Small Business Management (H)
Financial Planning and Money Management	Managerial Accounting (H)	Business Policy Seminar (H)
Marketing Essentials	Advanced Projects in Marketing (H)	

(H) = Honors level courses

### THE ACADEMIC INSTITUTE OF LITERATURE AND COMPOSITION

Focusing on creativity and the expression of thought, students will engage in courses that utilize open dialogue, various pieces of literary works, and current events to strengthen and hone skills for reading, writing, speaking and critical thinking. Through active participation and discourse, students will gain the knowledge to be college ready in the area of literature and composition. Open to all students, the following requirements must be completed to graduate with endorsement from *The Academic Institute of Literature and Composition*.

**In addition to fulfilling the 4 year state graduation requirement, students must select and pass 3 additional courses from the list below. (Total = 7 courses).**

**A student who earns a grade of "B" or higher in each elective, and has a cumulative weighted GPA of 3.0 or higher, will graduate with a special distinction designation on his or her diploma.**

Creative Writing I	Journalism	Literature and Cinema (*) Literature and Cinema Honors (*)
Creative Writing II	Modern and Contemporary Latin American Literature	

(\*) = Literature and Cinema can be used as long as it is taken in addition to the required English course. Currently, seniors can take Literature and Cinema as their required English course. Literature and Cinema is offered at both the College Prep and Honors levels.

## THE ACADEMIC INSTITUTE FOR THE FINE AND PERFORMING ARTS

Aiming to develop a broad based understanding in the area of performing arts, students will complete coursework that will enhance their artistic knowledge, awareness and appreciation of arts education. Courses will focus on the advancement of all the arts and preparing students who may be considering a career in the fine and performing arts. Open to all students, the following requirements must be completed to graduate with endorsement from ***The Academic Institute for the Fine and Performing Arts***.

**In addition to fulfilling the 1 year state graduation requirement, students must select and pass 4 additional courses from the list below. (Total = 5 courses).**

**A student who earns a grade of "B" or higher in each elective, and has a cumulative weighted GPA of 3.0 or higher, will graduate with a special distinction designation on his or her diploma.**

Dance I Dance II	Dance III-IV (*)	AP Studio Art
Theater I Theater II Technical Theater I-II	Theater III-IV (*) Technical Theater III-IV (*)	AP Music Theory
Art I Art II	Art II - Art IV (*) Digital Art	
Mixed Chorus Music Theory I Music Technology	Concert Choir (*)	

(\*) = Honors option; AP = Advanced Placement Courses

## THE ACADEMIC INSTITUTE OF SOCIAL SCIENCES

The Academic Institute of Social Studies utilizes a comprehensive, college preparatory curriculum in the social sciences. Students will gain the knowledge and skills needed to become informed and responsible citizens in a democratic society. The selected courses work to inform students of the knowledge and values needed to become a contributing citizen of the 21st Century. Open to all students, the following requirements must be completed to graduate with endorsement from ***The Academic Institute of Social Sciences***.

**In addition to fulfilling the 3 year state graduation requirement, students must select and pass 4 additional courses from the list below. (Total = 7 courses).**

**A student who earns a grade of "B" or higher in each elective, and has a cumulative weighted GPA of 3.0 or higher, will graduate with a special distinction designation on his or her diploma.**

Psychology	African/African-American History (*) African/African-American History Honors (*)	AP US History
Introduction to Law and Sociology	Comparative Religion and Contemporary Ethics	AP US Government and Politics
Latin American Studies	Economics (H)	AP Psychology
Human Rights: Conflicts and Resolutions	Introduction to Criminal Justice System (H)	

(\*) = Offered at both college prep and honors levels; (H) = Honors level courses; AP = Advanced Placement courses

## THE ACADEMIC INSTITUTE OF TECHNOLOGY

Using an integrated approach through an intense application to technology, students will be well versed in advanced technological fields of study. With exposure to a wide range of sophisticated software, students will gain the foundation needed to pursue a career in the area of technology. Open to all students, the following requirements must be completed to graduate with endorsement from ***The Academic Institute of Technology***.

**In addition to fulfilling the 1 year state graduation requirement, students must select and pass 4 additional courses from the list below. (Total = 5 courses).**

**A student who earns a grade of "B" or higher in each elective, and has a cumulative weighted GPA of 3.0 or higher, will graduate with a special distinction designation on his or her diploma.**

Computer Science I (*) Computer Science I Honors (*)	Modeling and Animation I	AP Computer Science
Computer Science II (H)	Modeling and Animation II	Cisco Networking AB
Website Design	Creating Apps for Tablets and Phones (*)	Cisco Networking BC
Computer Game Design (*) Computer Game Design Honors (*)	Robotics/AUTO CAD	

(\*) = Offered at both college prep and honors levels; (H) = Honors level courses; AP = Advanced Placement courses

## DEPARTMENT OF SPECIALIZED SERVICES

The goal of Teaneck High School is to ensure that all students receive an appropriate secondary educational program and complete the requirements of the New Jersey Department of Education for the Teaneck High School diploma including successful completion of the Partnership for Assessment of Readiness for College and Careers (PARCC) in English Language Arts and Mathematics, the New Jersey Biology Competency Test and 60 hours of Community Service.

The full range of general education options and electives are available to classified students, thereby providing maximum opportunities for students to participate with general education peers. However, we are cognizant of the needs of some students for additional academic intervention in order to qualify for a diploma. To this end, a curriculum sequence was established that is reflective of the Common Core Curriculum Content standards, which is grade appropriate and aligned to the General Education Curriculum. The content in each subject class is parallel to the mainstream, but classes are smaller and taught by Special Education Staff, highly qualified in the specified content using adaptive techniques and materials. Suggested course offerings currently in place in each of the Common Core Curriculum Content areas as per the student Individual Educational Plan (IEP) are:

***In Class Support (I.C.S.)*** is offered in each core content area. This model is provided primarily for students who require modifications and accommodations intervention in order to participate in general education classes. Academic support services are also available in resource center classes.

Instructional objectives and strategies are listed in each student's Individualized Educational Plan (IEP) and serve as guidelines to the overall instructional process.

### **Who are special education students in Inclusion Classes?**

The law mandates that special education students be placed in the least restrictive environment possible to meet their educational needs. The degree to which this necessary assistance requires removal from the general education setting (inclusion) determines the restrictiveness of the placement. The restrictiveness of the environment is arranged on a continuum from least to most restrictive.

- i. **Full Inclusion**: Students attend general education classes throughout the day with minimal special education related services, such as, e.g., speech and language, counseling, assistive technology, etc.
- ii. **In-Class Support**: The special education student remains in a mainstream class; a special education teacher provides adaptations and modifications delineated in student's IEP in the general education classroom.
- iii. **Resource Center/Replacement**: The student attends a special education class for a specified subject taught by a highly qualified special education teacher.

## IN-CLASS SUPPORT, RESOURCE ROOM, TRANSITION PROGRAM SUBJECTS

MATHEMATICS			
9 <sup>TH</sup> Grade	10 <sup>TH</sup> Grade	11 <sup>TH</sup> Grade	12 <sup>TH</sup> Grade
Algebra I (ICS)	Geometry (ICS)	Algebra II (ICS)	Discrete Mathematics (ICS)
Algebra I (Resource)	Geometry (Resource)	Algebra II (Resource)	Discrete Mathematics (Resource)
Practical Math (Resource)	Practical Math (Resource)	Practical Math (Resource)	Practical Math (Resource)

ENGLISH			
9 <sup>TH</sup> Grade	10 <sup>TH</sup> Grade	11 <sup>TH</sup> Grade	12 <sup>TH</sup> Grade
Language & Literature (ICS)	Literature & Composition (ICS).	Modern American Literature (ICS.)	Humanities Through Literature 12 (ICS.)
Language & Literature (Resource)	Literature & Composition (Resource)	Modern American Literature (Resource)	Humanities Through Literature 12 (Resource)
Practical English (Resource)	Practical English (Resource)	Practical English (Resource)	Practical English (Resource)

SOCIAL STUDIES			
9 <sup>TH</sup> Grade	10 <sup>TH</sup> Grade	11 <sup>TH</sup> Grade	12 <sup>TH</sup> Grade
Global History (ICS)	U.S. History I (ICS)	U.S. History II (ICS)	
Global History (Resource)	U. S History I (Resource)	U.S. History II (Resource)	
Practical Social Studies (Resource)	Practical Social Studies (Resource)	Practical Social Studies (Resource)	Practical Social Studies (Resource)

SCIENCE			
9 <sup>TH</sup> Grade	10 <sup>TH</sup> Grade	11 <sup>TH</sup> Grade	12 <sup>TH</sup> Grade
Environmental Science (ICS)	Physical Science (ICS)	Biology (ICS)	
Environmental Science (Resource)	Physical Science (Resource)	Biology (Resource)	

ELECTIVES			
9 <sup>TH</sup> Grade	10 <sup>TH</sup> Grade	11 <sup>TH</sup> Grade	12 <sup>TH</sup> Grade
Resource Center Support (Resource)	Resource Center Support (Resource)	Resource Center Support (Resource)	Resource Center Support (Resource)
Transition Program 1	Transition Program 2	Transition Program 3	Transition Program 4

**COURSE:                   MULTIPLY DISABLED (MD) PROGRAM WITH SCHOOL  
AND COMMUNITY INCLUSION OPTIONS**  
**OPEN TO:                 Grades 9-12**

**Course Description:**

A self-contained program located at Teaneck High School will educate students with multiple disabilities in grade 9-12. Students will participate in learning environments that promote academic growth social development and opportunities for inclusion to promote social skills development. Students will be provided with opportunities to enhance their educational goals within a high school setting with their age appropriate peers as well as learning opportunities in community based environments. Students have individualized education plans which reflect a multitude of activities to support them in the classroom and in the community as they transition from school to adult life. All curriculums are aligned to Common Core Curriculum Standards. The Council of Exceptional Children (CEC) Career Centered Life Education curriculum will be used as a foundation curriculum. Transition services and community based instruction will be essential components of this program. Related services will be integrated into and provided based on each student's individual needs. All students will be linked to adult support services. A strong parental component will be incorporated into the program to assist parents.

## ENGLISH

The Teaneck High School English course offerings are part of a comprehensive college and career readiness program. The Teaneck High School English Department recognizes the importance of close, attentive reading with a specific focus on critical reading skills that aid in the comprehension and appreciation of complex works of literature. In addition, students develop their voice by writing arguments to support claims, creating narratives that tell an important story and developing expository pieces that explain and synthesize essential information. Reading, writing, speaking, listening and viewing skills, as stipulated by the Common Core State Standards, are incorporated in all classes. **There is a required summer reading assignment for every core English class that is due at the first class meeting.**

**COURSE: 1000  
LANGUAGE ARTS LITERACY CENTER  
OPEN TO: Grade 9  
CREDIT: 5 Credits**

### **Course Description:**

This course is designed to address selected students' reading and writing needs as they transition to the high school. Intensive instruction that is individualized to meet students' strengths and needs in analyzing and critiquing text and writing as a higher-order thinking skill is provided to maximize success. Students who are below proficiency on the NJ ASK 8 will receive a state-mandated Educational Proficiency Plan and will be considered for this course.

**COURSE: 2000  
LANGUAGE ARTS LITERACY CENTER  
OPEN TO: Grade 10  
CREDIT: 5 Credits**

### **Course Description:**

This course is designed to address selected students' reading and writing needs in order to prepare them to be successful when taking the state assessment in eleventh grade. Intensive instruction that is individualized to meet students' strengths and needs in analyzing and critiquing text and writing as a higher-order thinking skill is provided to maximize success. Students will be enrolled in this course if they are below proficiency on the NJASK 8 and/or teacher recommended.

**COURSE: 3000  
LANGUAGE ARTS LITERACY CENTER  
OPEN TO: Grade 11  
CREDIT: 5 Credits**

### **Course Description:**

This course is designed to address selected students' reading and writing needs in order to prepare them to be successful when taking the state assessment in eleventh grade. Each student is given a personalized educational plan to ensure success on the state assessment. Placement in the Language Arts Literacy Center Grade 11 is determined by performance on the NJASK 8, departmental classroom assessment and teacher recommendation.

**COURSE:** 0100  
**READ 180**  
**OPEN TO:** Grades 9 - 12  
**CREDIT:** 10 Credits

**Course Description:**

The READ 180 program is an intensive reading intervention program designed to identify and address students' needs in reading and writing. The program directly addresses individual needs through adaptive and instructional software, high-interest literature that is correlated to current English offerings, and direct instruction in reading and writing skills. Students will be enrolled in this course if they score below proficiency on the NJ ASK 8 (New Jersey Assessment of Skills and Knowledge) and/or teacher recommendation.

## NINTH GRADE OFFERINGS

**COURSE:** 0133  
**LANGUAGE AND LITERATURE 9 HONORS**  
**OPEN TO:** Grade 9  
**CREDIT:** 5 Credits  
**There is a required summer reading assignment due at the first class meeting.**

**Course Description:**

This course provides intensive, in-depth readings in classical and modern literature. There is an emphasis on expository writing (essay, development of the thesis statement) and a systematic study of vocabulary. The various types of literature include: drama, novels, epics, essays, short stories, and poems. The titles include *Great Expectations*, *Romeo and Juliet*, *I Know Why the Caged Bird Sings*, *Death of a Salesman*, and *The Odyssey*, among others. Students enrolled in the honors course must be self-motivated to conduct additional research projects and papers that require critical thinking and literary analysis.

**COURSE:** 0134  
**LANGUAGE AND LITERATURE 9**  
**OPEN TO:** Grade 9  
**CREDIT:** 5 Credits  
**There is a required summer reading assignment due at the first class meeting.**

**Course Description:**

This course provides intensive readings in classical and modern literature. Writing skills include the development of the five paragraph theme, as well as the personal essay. Emphasis is placed on a systematic vocabulary study and grade level grammar skills. Titles included in this course are: *The Learning Tree*, *Romeo and Juliet*, *The Odyssey* and *Parrot in the Oven*, among others.





## TENTH GRADE OFFERINGS

**COURSE:** 0143  
**ADVANCED LITERATURE AND COMPOSITION 10 HONORS**  
**OPEN TO:** Grade 10  
**CREDIT:** 5 Credits  
There is a required summer reading assignment due at the first class meeting.

### Course Description:

This course provides an opportunity for an in-depth study of classical and modern literature. Students will become familiar with the basic approaches to literary criticism. Expository writing assignments are required for each work of literature. These writing assignments will emphasize advanced expository writing techniques. The course includes a systematic study of vocabulary. A research paper bringing together techniques for research, parenthetical notations, organization, and composition is required. Students enrolled in the honors course must be self-motivated to conduct additional research and papers that require critical thinking and literary analysis. The literature may include *Antigone*, *Macbeth*, *Black Boy*, *Lord of the Flies*, and *Night* among others.

**COURSE:** 0144  
**LITERATURE AND COMPOSITION**  
**OPEN TO:** Grade 10  
**CREDIT:** 5 Credits  
There is a required summer reading assignment due at the first class meeting.

### Course Description:

This course provides a broad background in both classical and modern literature with an emphasis on drama, the novel, and short story. There is a systematic vocabulary study. Writing assignments are required for each work. A research paper, utilizing standard research techniques, is required. The literature may include *Macbeth*, *Black Boy*, *House on Mango Street*, and *Night*, among others.

## ELEVENTH GRADE OFFERINGS

**COURSE:** 0152  
**ADVANCED PLACEMENT LANGUAGE & COMPOSITION**  
**OPEN TO:** Grade 11  
**PREREQUISITE:** Advanced Literature and Composition 10 Honors with a Grade B or higher  
**CREDIT:** 5 Credits  
There is a required summer reading assignment of specific texts due at the first class meeting.

### Course Description:

This college level course is designed for the junior who not only wishes to pursue an advanced placement sequence for the final two years of high school, but who possesses an intense interest in complex and rigorous analysis of literature and non-fiction. Independent readings and a critical research paper are required each semester. All students enrolled in this course will be required to take the AP English Language Exam in May. The literature in this course may include *The Scarlet Letter*, *The Adventures of Huckleberry Finn*, *Native Son*, *The Great Gatsby*, and works by Toni Morrison and Walt Whitman. In addition, the class will study selected non-fiction works by Emerson, Thoreau, and contemporary American writers. Appropriate written assignments will accompany each literary work.

**COURSE:** 0153  
**AMERICAN LITERATURE 11 HONORS**  
**OPEN TO:** Grade 11  
**PREREQUISITE:** Advanced Literature and Composition 10 Honors  
**CREDIT:** 5 Credits  
**OTHER:** Eligible for 3 college credits through Fairleigh Dickinson University  
There is a required summer reading assignment due at the first class meeting.

**Course Description:**

This advanced course is designed for the student who wishes to pursue an intensive approach to the reading of major American works and to the fundamentals of good writing. This course stresses the recognition of general ideas or themes and the appreciation of literary techniques. The reading load is demanding, as is the frequency of expository writing. An extensive research paper on a work of American literature is required. The literature may include *The Scarlet Letter*, *The Great Gatsby*, *Native Son*, *The Grapes of Wrath* and *A Streetcar Named Desire*, among others.

**COURSE:** 0154  
**AMERICAN LITERATURE 11**  
**OPEN TO:** Grade 11  
**CREDIT:** 5 Credits  
There is a required summer reading assignment due at the first class meeting.

**Course Description:**

This course provides a broad multicultural background in American literature through a concentrated study of representative dramas, novels, short stories, and poems. The literature may include *A Streetcar Named Desire*, *A Lesson Before Dying*, *The Catcher in the Rye*, *Native Son*, plus readings from Hughes, Whitman, Thoreau, and Miller. A systematic vocabulary study as well as a major emphasis on expository writing is included. Writing assignments are required for each literary work. A research paper based upon an American work of literature is required.

**COURSE:** 0155  
**MODERN AMERICAN LITERATURE 11**  
**OPEN TO:** Grade 11  
**CREDIT:** 5 Credits  
There is a required summer reading assignment due at the first class meeting.

**Course Description:**

This course helps students develop language arts skills through a study of modern American literature and close attention to frequent expository writing. The course includes a systematic study of vocabulary. In addition, this course prepares students for success on the state assessment through a study of speculative writings, persuasive writings, narrative readings, persuasive readings, and revising and editing techniques. The literature may include: *The Catcher in the Rye*, *A Streetcar Named Desire*, *The Absolutely True Diary of a Part-Time Indian* and various short stories and poetry.

## TWELFTH GRADE OFFERINGS

**COURSE:** 0163  
**ADVANCED PLACEMENT LITERATURE & COMPOSITION**  
**OPEN TO:** Grade 12  
**PREREQUISITE:** American Literature 11 Honors with a grade of B or higher  
**CREDIT:** 5 Credits  
There is a required summer reading assignment due at the first class meeting.

### Course Description:

This college level course is designed for the senior who wishes not only to qualify for advanced placement in college but who has an intense interest in complex and challenging literature. Whenever practical, each student is required to present a seminar on a complex text or a seminar on a section of a text. Discussion follows each presentation. The course includes poetry analysis, preparation for the Advanced Placement Test, and intensive reading. Some representative texts studied in this course are: *The Dubliners*, *Metamorphosis*, *Beowulf*, *Grendel*, selections from *Gulliver's Travels*, and the writings of Eliot, Keats, Camus, Ellison, D.H. Lawrence, and Shakespeare. Writing assignments focus on critical analysis of literature. A term paper is required.

**COURSE:** 0169  
**ENGLISH COMPOSITION 101 HONORS**  
**OPEN TO:** Grade 12  
**CREDIT:** 5 Credits  
**OTHER:** Eligible for 6 college credits through Bergen Community College & 3 through Fairleigh Dickinson University

### Course Description:

This advanced course is designed to develop the college level expository writing skills. The curriculum for the first semester is aligned with a college composition 101 course and emphasizes writing; the curriculum for the second semester is aligned with a college composition 102 and emphasizes writing about literature. The focus will be placed on the skilled objective analysis necessary for college writing assignments, clear organization of material, and precision in grammar and mechanics. Additionally, a focus will be placed on reading and writing about literature at the college level.

**COURSE:** 0168  
**ADVANCED WORLD LITERATURE 12 HONORS**  
**OPEN TO:** Grade 12  
**PREREQUISITE:** American Literature 11 Honors or American Literature 11 with a Grade of B or higher  
**CREDIT:** 5 Credits  
There is a required summer reading assignment due at the first class meeting.

### Course Description:

The course provides the student with the opportunity to study some of the masterpieces of world literature. The course focuses upon literary analysis through teacher lecture, class discussions, individual and group projects, research and writing. Students enrolled in the honors course must be self-motivated to conduct an independent critical paper, research independently and complete a major writing assignment accompanying each work. The literature may include: *The Iliad*, *Othello*, *The Collector*, *The Stranger*, *Metamorphosis*, *No Exit*, *The Loneliness of the Long Distance Runner*, *Woman Warrior*, among others.

**COURSE:** 0166  
**WORLD LITERATURE 12**  
**OPEN TO:** Grade 12  
**CREDIT:** 5 Credits  
There is a required summer reading assignment due at the first class meeting.

**Course Description:**

This course provides an opportunity to read, discuss, and analyze a wide range of world literature in preparation for college. Writing assignments are required for each work. In addition, students are required to write a major critical paper analyzing a work of literature. The literature may include: *The Stranger*, *Weep Not, Child*, *The Collector*, *Train to Pakistan*, *No Exit*, selected short stories, and poetry from around the world.

**COURSE:** 0173  
**HUMANITIES THROUGH LITERATURE 12**  
**OPEN TO:** Grade 12  
**CREDIT:** 5 Credits  
There is a required summer reading assignment due at the first class meeting.

**Course Description:**

This course would work to elevate and stretch the students' narrative imagination, his or her ability to understand the records of lived experiences outside of his or her own individual social and cultural context; a study of the human condition using analytical, critical, and speculative models and methods. There is a major writing assignment associated with each work of literature. The literature may include: *Bodega Dreams*, selected short stories, nonfiction and poetry.

## ENGLISH ELECTIVES

**COURSE:** 0120 - SAT/ACT PREP - VERBAL  
**OPEN TO:** Grades 10-12  
**CREDIT:** 2.5 Credits



**Course Description:**

This course is designed to prepare students to take the PSAT and SAT tests. The student will learn the format of the SAT and its component parts. The course will provide students with strategies for taking the SAT and a complete review of the skills necessary to maximize their success. SAT concepts, vocabulary development, test-taking skills and strategies will be emphasized. The student should have successfully completed courses in Algebra I, Geometry and Algebra, or presently be enrolled in Algebra II. A grammar review will be provided for the writing section of the PSAT.

**COURSE:** 0124 - SENIOR SEMINAR LAL FALL  
0123 - SENIOR SEMINAR LAL SPRING  
**OPEN TO:** Grades 12  
**CREDIT:** 0 Credits

**Course Description:**

This course is designed to provide graduating seniors with the fundamental skills in English needed to be considered career and college ready.

**COURSE:** 0174  
**CREATIVE WRITING I**  
**OPEN TO:** Grades 10 – 12  
**CREDIT:** 5 Credits

**Course Description:**

This course is designed for students who would like an opportunity to write creatively. The course aims to stimulate keener and more sensitive observations of life, to provide a medium for self-expression, and to enhance and develop writing talent. Writing assignments are varied and challenging, and cover the use of figurative language, the writing of short stories, short plays, and poetry. Representative examples of literary forms are analyzed as a pre-writing activity. Student work is frequently read aloud and discussed. The teacher provides constructive, detailed criticism. Peer evaluation is offered, as well. This is an **elective** course and does not fulfill the English program requirement.

**COURSE:** 0175  
**CREATIVE WRITING II**  
**OPEN TO:** Grades 11 - 12  
**PREREQUISITE:** Creative Writing I  
**CREDIT:** 5 Credits

**Course Description:**

This course is designed for students who would like an opportunity to continue expanding their creative writing skills. Individualized projects for short story, drama, and poetry will allow students to meet their needs and express their talents. Students will develop their own portfolios. This is an **elective** course and does not fulfill the English program requirement.

**COURSE:** 0182  
**JOURNALISM**  
**OPEN TO:** Grades 10 – 12  
**CREDIT:** 5 Credits

**Course Description:**

This course is geared to a formal study of various aspects of the newspaper, such as writing features, human interest stories, news, sports, editorials, and reviews, etc. In addition to the study of the newspaper, students will work on the actual production of the Teaneck High School newspaper. Sophomores and juniors are expected to become members of the newspaper staff during their junior or senior year in high school. This is an **elective** course and does not fulfill the English program requirement. Students who select this course should have a proficiency in grammar and an interest in writing.

**COURSE:** 0183  
**AFRICAN AMERICAN LITERATURE**  
**OPEN TO:** Grades 10 – 12  
**CREDIT:** 5 Credits  
**OTHER:** HONORS OPTION

**Course Description:**

This course offers an in-depth study of African American literature. The first portion of the course begins in Africa with the literature of Ancient Egypt: *Hymn of Anton*, *Sundiata*, *Epic of Old Mali*, and African folktales. This is followed with African-American writers from Colonial America such as Frederick Douglas and Phyllis Whitley. The novel *Middle Passage* is studied and is followed by Stephen Spielberg's film *Amistad*. The semester concludes with the Harlem Renaissance writers.

The second portion of the course covers modern African-American literature such as *The Wedding* and *Their Eyes Were Watching God*. Students will also read and discuss protest literature of the 1960s and read short stories by James Baldwin. Students should expect to write papers and complete projects. This is an **elective** course for tenth and eleventh grade students and does not fulfill their English requirement. Twelfth grade students have the option of taking the course for elective credit or for English credit.

**COURSE:** 0186  
**WOMEN'S LITERATURE**  
**OPEN TO:** Grades 11 - 12  
**CREDIT:** 5 Credits  
**OTHER:** HONORS OPTION

**Course Description:**

This course is a survey of internationally recognized female writers and their works. The first portion of the course examines the historical views of women and how they were viewed in the 19<sup>th</sup> century. This series of readings may be followed with the film *Sense and Sensibility*. The second portion of this course covers the power of women as seen in the past and through drama, as well as issues in women's lives during the 20<sup>th</sup> century. Readings may include: Phyllis Wheatley, Emily Dickinson, Amy Tan, Kate Chopin, among others. This is an **elective** course for eleventh grade students and does not fulfill the English program requirement for them. *Twelfth grade* students may select to take the course for *either elective credit or for English credit*.

**COURSE:** 0181  
**MODERN AND CONTEMPORARY LATIN AMERICAN LITERATURE**  
**OPEN TO:** Grades 10 - 12  
**CREDIT:** 5 Credits

**Course Description:**

Students who take the Latin American Literature course will read the works of authors from the "Boom" era such as Gabriel García-Márquez, Julio Cortázar (stories from *Blow-Up and Other Stories*), a selection of short stories (from *Latin American Short Stories*), as well as contemporary prose works by Julia Alvarez, Isabel Allende, Laura Esquivel. Latin American drama will also be represented by modern and contemporary authors. Literary movements such as Modernism, Regionalism, and Cosmopolitanism will be studied in relation to the socio-political conditions of their respective areas, and in relation to the U.S./Latin American connection.

**COURSE:** 0188  
**LITERATURE AND CINEMA**

**OPEN TO:** Grades 10 – 12

**CREDIT:** 5 Credits

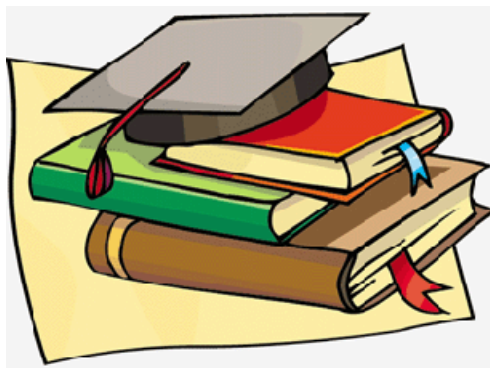
**There is a required summer assignment due at the first class meeting.**

**Course Description:**

In this course, students will be introduced to film technique and the effect it has on storytelling. Utilizing various genres of literature and film, the course provides students with the analytical techniques to evaluate and analyze film and introduces the student to the rich and dynamic inter-textual study of the written word, the moving image, and academic discourse. The course affords students the opportunity to explore the limits and excesses of adapting literature into film while offering a solid foundation in the application of critical lenses to analyze literature and film: psychology, sociology, and anthropology are just some off the critical lenses utilized to explore these two mediums. In addition to traditional Film Adaptation Theory, students will explore two distinct sub-genres of the field: auteur analysis and Hybrid Mode Shakespearean Adaptations.

This is an **elective** course for tenth and eleventh grade students and does not fulfill the English program requirement for them. *Twelfth grade* students may select to take the course for *either elective credit or for English credit*.

English choices are by grade level and contingent upon meeting prerequisites.



## SUGGESTED SEQUENCES

Grade	Core Course	Core Course	Additional Offerings/Electives
<b>9</b>	Language & Literature 9 (H)	Language & Literature 9	Language Arts Literacy Center 9 READ 180
<b>10</b>	Advanced Literature & Composition 10 (H)	Literature & Composition 10	Language Arts Literacy Center 10 Creative Writing I Journalism African-American Literature Literature and Cinema Modern and Contemporary Latin American Literature
<b>11</b>	Advanced Placement Language & Composition 11 or American Literature 11 (H)	American Literature 11 or Modern American Literature 11	Language Arts Literacy Center 11 Creative Writing I Creative Writing II Journalism African-American Literature Literature and Cinema Modern and Contemporary Latin American Literature Women's Literature
<b>12</b>	Advanced Placement Literature & Composition 12 or Advanced World Literature 12 (H) or English Composition 101 Honors Literature and Cinema (optional) Women's Literature (optional) African-American Literature (optional)	World Literature 12 or Humanities Through Literature 12 Literature and Cinema (optional) Women's Literature (optional) African-American Literature (optional)	Creative Writing I Creative Writing II Journalism African-American Literature Modern and Contemporary Latin American Literature Women's Literature



## ENGLISH AS A SECOND LANGUAGE

The Teaneck High School English as a Second Language course offerings are part of a program that is aligned with federal and local requirements for standards, assessments and accountability for English Language Learners (ELLs). The courses are designed to assist students in developing the necessary fluency, vocabulary, and comprehension skills in reading and writing to be successful in core content areas.

**COURSE:** 2112  
**ESL READING**  
**OPEN TO:** Grades 9 – 12  
**CREDIT:** 5 Credits

### **Course Description:**

This course is designed to help students develop the fluency, vocabulary and comprehension skills needed for success in content areas as well as on the High School Proficiency Assessment. Students will receive instruction in reading-to-learn strategies, critical reading and the writing process. Connections are made to student's lives through text, journals, poetry and independent reading. READ 180 is a conduit for teaching these necessary ESL strategies for students' English Language acquisition.

**COURSE:** 0170  
**ESL I**  
**OPEN TO:** Grades 9 – 12  
**CREDIT:** 5 Credits  
**OTHER:** Students who are new to the district are required to take a state mandated test in listening, speaking, reading, and writing to qualify for ESL services and are placed in this level based on test scores.

### **Course Description:**

This is a beginning level course designed to improve the listening, speaking, reading, writing, and viewing skills of non-native speakers of English. The main goal is to help students achieve grammatical accuracy in English while at the same time developing fluency. Students are introduced to a study of NJ and the USA and receive reinforcement in other content areas. Students foster a greater awareness of American culture. Literature may include *Free at Last*, *The Story of Martin Luther King Jr.*, *All About the USA*, *It's Our Government*, *Beginning Skits in English*, legends and myths, and various other readings.

**COURSE:** 0171  
ESL II  
**OPEN TO:** Grades 9 – 12  
**PREREQUISITE:** ESL I  
**CREDIT:** 5 Credits  
**OTHER:** Students who are new to the district are required to take a state mandated test in listening, speaking, reading, and writing to qualify for ESL services and are placed in this level based on test scores.  
There is a required summer reading assignment due at the first class meeting.

**Course Description:**

This is an intermediate level course designed to improve the listening, speaking, reading, writing, and viewing skills of non-native speakers of English. The course is designed to improve these skills to a proficiency level that would facilitate learning in mainstream classes. This course includes a study of vocabulary, grammar, reading strategies, and essay writing skills. Skills needed for the state mandated ESL WIDA ACCESS Exam and the state assessment Language Arts exam will be addressed. Students will also receive reinforcement in content areas. Literature may include *Seedfolks*, *House on Mango Street*, *The Big Wave*, *The Learning Tree*, short stories, and various other texts.

**COURSE:** 0172  
ESL III  
**OPEN TO:** Grades 9 – 12  
**PREREQUISITE:** ESL II  
**CREDIT:** 5 Credits  
**OTHER:** Students who are new to the district are required to take a state mandated test in listening, speaking, reading, and writing to qualify for ESL services and are placed in this level based on test scores.  
There is a required summer reading assignment due at the first class meeting.

**Course Description:**

This is an advanced level course designed to improve the listening, speaking, reading, writing, and viewing skills of non-native speakers of English. There is an emphasis on developing interpretive and critical thinking skills in the target language. This course includes a study of vocabulary, grammar, reading strategies, and essay writing skills. This class will address the skills needed for success in the HSPA Language Arts Exam and the state mandated ESL WIDA ACCESS Exam. Students will receive reinforcement in the content areas. The literature may include *The Kite Runner*, *The Pearl*, *Anne Frank*, *Night*, a poetry unit, and additional readings.

## SOCIAL STUDIES

The Teaneck High School Social Studies course offerings are part of a comprehensive college preparatory curriculum. The Social Studies program aims to prepare students to participate as informed and responsible citizens in our democratic society on a local, state, and national level. The full range of social science courses strives to impart to students the social and academic skills, knowledge, and values to be citizens of the twenty-first century.

Students in the 9th grade are required to earn five credits by completing Global History. In addition, ten credits of United States History, and 2.5 credits in financial, economic, business, and entrepreneurial literacy are required during their high school years, to fulfill the New Jersey State History requirements.

**COURSE:** 0234  
**GLOBAL HISTORY**  
**OPEN TO:** Grade 9  
**CREDIT:** 5 Credits

### Course Description:

Global History offers students an opportunity to examine the major patterns of human development through the perceptions of various groups and peoples, rather than just the perception of the dominant culture at a particular time or place. Students will also examine global development in the 15th and 16th centuries. Students will examine global contact, competition, and conflict in the 17th, 18th, and 19th centuries, as well as evolutionary and revolutionary change. Additionally, students will assess the role of nationalism and imperialism in human development and global conflict and cooperation in the 20th century.

**COURSE:** 0233  
**GLOBAL HISTORY HONORS**  
**OPEN TO:** Grade 9  
**CREDIT:** 5 Credits



### Course Description:

Global History Honors covers in-depth the same content as Global History. Students enrolled in Global History Honors must be self-motivated to conduct independent research projects and papers that require organized note-taking, critical thinking, and extensive reading and writing. Students will also be required to conduct seminar presentations.

**COURSE:** 0244  
**US HISTORY I**  
**OPEN TO:** Grades 10 - 11  
**CREDIT:** 5 Credits

### Course Description:

US History I provides students with an examination of the people, events, and issues of American History from the colonial period through the founding of our nation to the Civil War. Students will assess the American War for Independence, explore the ways in which the American government and political system developed and examine the events that led to the Civil War.

**COURSE:** 0245  
**US HISTORY II**  
**OPEN TO:** Grades 11 - 12  
**CREDIT:** 5 Credits

**Course Description:**

US History II provides students with an understanding of Reconstruction, and the impact of industrial growth upon the American people and society. Additionally, this course covers the settlement of the West, and the impact of immigration. In addition, students will investigate both the domestic and foreign affairs of the United States; examine 20th century conflicts and wars, the Progressive Era, the Great Depression, the New Deal, and the quest for equality and human rights.

**COURSE:** 0254  
**US HISTORY I HONORS**  
**OPEN TO:** Grades 10 - 11  
**CREDIT:** 5 Credits

**Course Description:**

US History I Honors covers in-depth the same content as US History I. Honors students must be self-motivated to conduct independent research projects and papers that require organized note-taking, critical thinking, and extensive reading and writing. Students will also be required to respond to Document Based Questions based on primary and secondary sources and conduct seminar presentations. Students will be expected to demonstrate their ability to be effective writers, in order to enhance communication and shared knowledge within the classroom.

**COURSE:** 0255  
**US HISTORY II HONORS**  
**OPEN TO:** Grades 11 – 12  
**PREREQUISITE:** US History I Honors or US History I with Department Approval  
**CREDIT:** 5 Credits

**Course Description:**

US History II Honors covers in-depth the same content as US History II. Honors students must be self-motivated to conduct independent research projects and papers that require organized note-taking, critical thinking, and extensive reading and writing. Students will also be required to respond to Document Based Questions based on primary and secondary sources and conduct seminar presentations. Students will be expected to demonstrate their ability to be effective writers, in order to enhance communication and shared knowledge within the classroom.

**COURSE:** 0265  
**ADVANCED PLACEMENT UNITED STATES HISTORY**  
**OPEN TO:** Grade 11-12  
**PREREQUISITE:** US History I  
**CREDIT:** 5 Credits



**AP US History fulfills the second year US History graduation requirement for the State of New Jersey.**  
**Required summer assignment will be due at the first class meeting.**

**Course Description:**

AP United States History is a college-level course offering students the opportunity to examine, in-depth, the political, social, economic, ethnic, cultural, and military events, trends, and issues that have affected the United States from the Colonial Era through the 21<sup>st</sup> century. **Honors students must be self-motivated to conduct independent research projects and papers that require organized note-taking, critical thinking, and extensive reading and writing.** Students will also be required to

respond to Document Based Questions based on primary and secondary sources and conduct seminar presentations. Students will be expected to demonstrate their ability to be effective writers, in order to enhance communication and shared knowledge within the classroom.

Successful completion of Advanced Placement United States History will help prepare students for the annual Advanced Placement Examination in American History

## **SOCIAL STUDIES ELECTIVE OFFERINGS**

The following Social Studies elective offerings are **not** acceptable for meeting the five-credit Global History or ten-credit American History requirements. These offerings, from diverse Social Studies disciplines, are open for enrollment as indicated.

The following courses are open to students in grades 10, 11, and 12:

- African/African-American History (Honors Option)
- Latin American Studies
- Advanced Placement Human Geography - Grades 10 & 11

The following courses are open to students in grades 11 and 12:

- Introduction to Law/ Sociology
- Comparative Religion and Contemporary Ethics
- Honors Economics: *This course satisfies the requirements for 2.5 credits in financial, economic, business, and entrepreneurial literacy.*
- Psychology
- Introduction to the Criminal Justice System Honors
- Human Rights: Conflicts and Resolutions
- Advanced Placement Psychology
- Advanced Placement United States Government and Politics

**COURSE:** 0274  
**AFRICAN/AFRICAN-AMERICAN HISTORY**  
**OPEN TO:** Grades 9 - 12  
**CREDIT:** 5 Credits  
**PREREQUISITE:** 0273  
**OTHER:** HONORS OPTION

### **Course Description:**

African/African-American History provides students with a basic understanding of the geography, history, and cultures of Africa, as well as an overview of the contributions and roles of African-Americans in United States History. Students will:

- Explore the great kingdoms and empires of ancient Africa, the nations of modern Africa, traditional cultures, colonialism and nationalism as they pertain to African history.
- Assess the African-American experience by studying slavery, the Civil Rights Movement, and the Black Revolution.

Students who elect the Honors option must be self-motivated to conduct independent research projects and papers that require organized note-taking, critical thinking, and extensive reading and writing.

**COURSE:** 0271  
**LATIN AMERICAN STUDIES**  
**OPEN TO:** Grades 10 - 12  
**CREDIT:** 5 Credits

**Course Description:**

The objective of this course is to introduce students to Latin America while examining major themes with an emphasis on American indigenous civilizations as well as colonial political, economic, social and cultural legacies. Students will analyze the multiethnic societies of Latin America in the areas of class structure, the role of ethnicity in social movements, government, militarism, and the role of the church. This course will study the reflections of social tribulations through various forms of art and literature. This course will also include a comprehensive assessment of Latin American relations with the dominant powers of Europe and the United States. Class is conducted in English. **All students are encouraged to register for this course.**

**COURSE:** 0286  
**INTRODUCTION TO LAW / SOCIOLOGY**  
**OPEN TO:** Grades 11 - 12  
**CREDIT:** 5 Credits



**Course Description:**

This course consists of one semester of law and one semester of sociology. The law course will provide students with a basic understanding of family law, criminal law, civil law and the administration of justice. Juvenile rights and responsibilities are considered in relation to the student in the school, community, and society at large. Sociology, the second-half of the course, will introduce students to the discipline of sociology. Students will investigate basic sociological concepts and the techniques of social science.

**COURSE:** 0277  
**COMPARATIVE RELIGION & CONTEMPORARY ETHICS**  
**OPEN TO:** Grades 11 - 12  
**CREDIT:** 5 Credits

**Course Description:**

This course will consist of a semester of study of Comparative Religion and a semester study of Contemporary Ethics. The course will focus largely on Judaism, Protestantism, Catholicism, Islam, Buddhism and Hinduism. This course will not aim to teach religion, but to teach about religion in the hope of promoting greater understanding and respect for various faiths among our diverse population.

**COURSE:** 0250  
**HONORS ECONOMICS**  
**OPEN TO:** Grades 11 - 12  
**CREDIT:** 5 Credits

**Course Description:**

This course will give students a thorough understanding of our economic system through the study of microeconomics and macroeconomics. Taxation, debt, growth, the market economy, globalization, fiscal and monetary policy, inflation and other economic indicators will be some of the areas studied during the year. Course content will include an analysis of the economic system as a whole as well as the role of individuals, businesses and governments. Through the use of simulations, hands-on activities, class trips and guest speakers, students will gain a deeper appreciation and understanding of economics.

**COURSE:** 0284  
**PSYCHOLOGY**  
**OPEN TO:** Grades 11 - 12  
**CREDIT:** 5 Credits

**Course Description:**

This course surveys the fundamental principles of human behavior. A wide range of psychological topics are examined, including research methods, biological psychology, consciousness, developmental psychology, psychological disorders and the behavior of individuals in groups. Students will examine psychological readings; scientific research, real-life case studies and engages in energetic discussions of psychological phenomenon with the goal of increasing understanding of the motivation and reasoning behind the choices we make.

**COURSE:** 0272  
**INTRODUCTION TO THE CRIMINAL JUSTICE SYSTEM HONORS**  
**OPEN TO:** Grades 11 - 12  
**CREDIT:** 5 Credits  
**OTHER:** Eligible for 3 college credits - Fairleigh Dickinson University

**Course Description:**

This is a college-level course which provides students a comprehensive introduction to America's Criminal Justice System. Students will study the social, political and philosophical principles and underpinnings of the United States and its Constitution. The three major components to be analyzed within this context are: police and law enforcement, the courts and adjudication process, and corrections. Others topics covered include criminology, juvenile delinquency, computers and information technologies, investigations, drug abuse, and terrorism.

This is an Honors level course. Students must be self-motivated and be able to work independently to conduct research projects and write papers that require organized note-taking, critical thinking, and extensive reading and writing. Students will also be required to participate in debates and simulations and demonstrate their ability to be effective writers, in order to enhance communication and shared knowledge within the classroom.

**Note: Students may elect to take this course for college credit in cooperation with Fairleigh Dickinson University. A non-refundable application fee, payable to Fairleigh Dickinson will be required.**

**COURSE:** 0237  
**HUMAN RIGHTS: CONFLICTS AND RESOLUTIONS**  
**OPEN TO:** Grades 11 - 12  
**CREDIT:** 5 Credits



**Course Description:**

The goal of this course is to introduce students to the concept of human rights. This introduction will come through examining past human rights violations, the major milestones in helping to raise awareness, and the creation of the United Nations. The foundation of this course will be based in an examination of the United Nations and the Universal Declaration of Human Rights (UDHR). In creating the United Nations and the UDHR, the international community made a commitment to challenge human rights abuses.

Students will apply their knowledge of the UDHR in order to better understand pervasive issues that affect people around the world. Topics to be discussed include racial profiling, abortion, amateur athletics, poverty, prisoner rights, and many more. Additionally, students will examine the issue of cultural relativism and why standards of behavior and law can vary greatly from one place to another.

Students will complete this course with an understanding of basic human rights, how those rights are protected and/or violated, and with a better perspective on the role individuals play in raising awareness for victims.

**COURSE:** 0289  
**ADVANCED PLACEMENT PSYCHOLOGY**  
**OPEN TO:** Grade 12  
**CREDIT:** 5 Credits

**Course Description:**

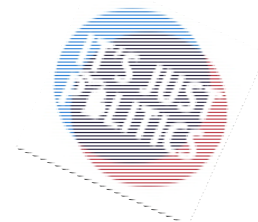
This course is designed to introduce seniors to the rigors of a college-level course, and to prepare them to take the Advanced Placement Examination in May. Students will cover the same depth and breadth of curriculum that they would encounter in a college course from the biological bases of behavior through the way we are influenced by experience, the environment, and other people.

**COURSE:** 0238  
**ADVANCED PLACEMENT UNITED STATES GOVERNMENT AND POLITICS**  
**OPEN TO:** Grade 12  
**PREREQUISITE:** US History I and US History II  
**CREDIT:** 5 Credits

**Course Description:**

AP United States Government and Politics is a college-level course that will give students an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples. Students will examine important facts, concepts, and theories pertaining to U.S. government and politics; understand typical patterns of political processes and behavior and their consequences; analyze and interpret basic data relevant to U.S. government and politics; be able to critically analyze relevant theories and concepts and apply them appropriately; and develop their connections across the curriculum.

**COURSE:** 0241  
**ADVANCED PLACEMENT HUMAN GEOGRAPHY**  
**OPEN TO:** Grades 10 - 11  
**PREREQUISITE:** A- or better in Global History Honors  
**CREDIT:** 5 Credits



**Course Description:**

AP Human Geography is a college-level course that will introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students will learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. Students will also learn about the methods and tools Geographers use in their research and applications. Upon successful completion of the course, students will have developed skills that enable them to:

- Interpret maps and analyze geospatial data
- Understand and explain the implications of associations and networks among phenomena in places
- Recognize and interpret the relationships among patterns and processes at different scales of analysis.
- Define regions and evaluate the regionalization process.
- Characterize and analyze changing interconnections among places

The topics studied in an AP Human Geography are aligned to college level goals and the National Geography Standards.



## POSSIBLE SOCIAL STUDIES SEQUENCES

<b>9</b>	Global History	Global History Global History (H)	Global History Global History (H)
<b>10</b>	US History I	US History I (H)	US History I (H)
<b>11</b>	US History II and * (See Below)	US History II (H) and * (See Below)	US History II (H) and * (See Below)
<b>12</b>	Elective * (See Below)	Elective * (See Below)	Advanced Placement US History (AP) * (See Below)

\* During grade 11 or 12 students can satisfy the New Jersey State requirement of 2.5 credits in financial, economic, business and entrepreneurial literacy by enrolling in the following social studies course: Honors Economics.

Students need to complete:

- One year of Global History
- Two years of American History
- 2.5 credits in financial, economic, business, and entrepreneurial literacy in order to fulfill the New Jersey State requirements for History.



## MATHEMATICS

All of the Teaneck High School mathematics course offerings are part of a comprehensive college preparatory curriculum. Depending on the student's individual aspirations, a wide range of mathematics courses are available. The student should carefully read the course descriptions that follow to determine the curriculum choices that best fulfill his or her needs and interests. **All students must successfully complete four years of mathematics at Teaneck High School. New Jersey State Minimum Graduation Requirements for Mathematics require all students to complete Algebra I and Geometry or the content equivalent.** Suggested course sequences are shown at the end of this section.

Mathematics is the field of study that deals with quantities and magnitudes aided by the use of symbols, the acquisition of its content involves inquiry, exploration, and discovery. Through the use of collaborative groups, modern technology, and instructional models, we strive to make mathematics a useful tool for all students.

A fundamental goal of the mathematics program is to provide students of Teaneck High School with the necessary skills and concepts required to be competitive in the 21<sup>st</sup> century global economy. The mathematics curriculum consists of courses, units of instruction, and activities designed to address the mathematics needs of all students. The Common Core State Standards are incorporated in all classes. The curriculum emphasizes the development of the:

- ability to analyze and solve problems of a variety of types and varying degrees of difficulty
- facility to perform mathematical operations
- understanding of the nature and structure of mathematics for application across disciplines
- competence in responding as an effective consumer
- understanding of advanced mathematics concepts

**Teaneck High School mathematics courses include a required summer assignment that is due at the first class meeting.**

Students are given materials for the assignment in June of their previous grade. Assignments are also **posted** on the district website <http://www.teaneckschools.org>.

Placement in subsequent courses is based upon, but not limited to: teacher recommendations, mathematics grades, end-of-course assessment, general subject assessments and state assessment results.

**Students who choose to enroll in honors courses must be prepared to work at an accelerated pace, and must be self-motivated with well-developed work habits and critical thinking skills.**

**COURSE: 0121 - SAT/ACT PREP - MATHEMATICS**  
**OPEN TO: Grades 10-12**  
**CREDIT: 2.5 Credits**

### **Course Description:**

This course is designed to prepare students to take the PSAT and SAT tests. The student will learn the format of the SAT and its component parts. The course will provide students with strategies for taking the SAT and a complete review of the skills necessary to maximize their success. SAT concepts, vocabulary development, test-taking skills and strategies will be emphasized. The student should have successfully completed courses in Algebra I, Geometry and Algebra, or presently be enrolled in Algebra II. A grammar review will be provided for the writing section of the PSAT.

**COURSE:** 0126 - SENIOR SEMINAR / Mathematics- FALL  
0125 - SENIOR SEMINAR / Mathematics - SPRING  
**OPEN TO:** Grade 12  
**CREDIT:** 2.5 Credits

**Course Description:**

This course is designed to provide graduating seniors with the fundamental skills needed to be considered career and college ready.

**COURSE:** 0316  
**ALGEBRA I**  
**OPEN TO:** Grades 9 - 10  
**CREDIT:** 5 Credits  
**OTHER:** State graduation requirements mandate all students complete an Algebra I course and a Geometry course.

**Course Description:**

This Algebra course integrates skills, properties, uses, and representations of real numbers and algebraic expressions. Its development of algebra as a language and its emphasis on graphing will deepen student understanding of mathematics at an abstract level. Topics include, but are not limited to: solving and graphing equations and inequalities, identifying functions and relations, solving systems of linear equations, working with polynomials, factoring quadratics and graphing quadratic functions.

**COURSE:** 0317  
**ALGEBRA I HONORS**  
**OPEN TO:** Grades 9 - 10  
**CREDIT:** 5 Credits  
**PREREQUISITE:** Math 8 with a final grade of A and teacher recommendation or AMS 8 with a minimum final grade of C+ and teacher recommendation.

**Course Description:**

This rigorous course requires students to use independent and critical thinking. The range of concepts is much greater than that of the Algebra I course and the pace is faster. This course emphasizes the structure of algebraic language, concepts and skills. Major concepts include working with real numbers, solving equations, polynomials, factoring polynomials, introduction to functions, systems of linear equations, inequalities, rational and irrational numbers, the quadratic formula, and radical expressions. Word problems and applications are infused throughout the course. ***Students enrolled in Algebra I Honors must be self-motivated with well-developed work habits and critical thinking skills.***

**COURSE:** 2204  
**ALGEBRA I SUPPORT CENTER**  
**OPEN TO:** Grades 9 - 10  
**CREDIT:** 5 Credits  
**OTHER:** (Credit bearing toward graduation. This course does not fulfill the 4-year mathematics requirement.)

**Course Description:**

This course is designed to address selected students' mathematical needs in order to strengthen algebra skills and foster success for students who struggled with previous course work. The course will offer tutorial support, basic pre-algebra skills review and development, pre-teaching of new algebra concepts along with re-teaching of those concepts that continue to be a struggle. The course is intended to increase students' understanding and comfort level with key algebraic concepts by

providing students with an opportunity for regular review. Algebra Support will be taught in partnership with an Algebra I course.

**COURSE:** 0314  
**GEOMETRY**  
**OPEN TO:** Grades 9 - 10  
**PREREQUISITE:** Algebra I  
**CREDIT:** 5 Credits  
**OTHER:** Students who do not pass Algebra I and do not attend summer school will take Algebra I in their sophomore year, and may take it concurrently with Geometry. State graduation requirements mandate all students complete an Algebra I course and a Geometry course.

**Course Description:**

This is an introductory course in Euclidean plane geometry. Standard topics are emphasized including, but not limited to: basic vocabulary, nomenclature, and representation of plane figures, investigation of congruence and similarity, formulae (such as for area and perimeter), and geometric proofs. The skills and topics of Algebra I are consistently applied throughout this course.

**COURSE:** 0313  
**GEOMETRY HONORS**  
**OPEN TO:** Grades 9 - 10  
**PREREQUISITE:** Algebra I Honors with a final grade of B or better and teacher recommendation  
**CREDIT:** 5 Credits  
**OTHER:** State graduation requirements mandate all students complete an Algebra I course and a Geometry course.

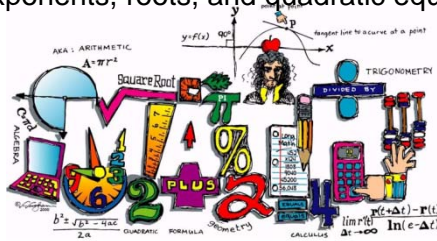
**Course Description:**

This course covers the same standard Euclidean geometry topics as are taught in the Geometry class with an emphasis on informal and formal proofs, transformations, and applications. **Students enrolled in Honors Geometry must be self-motivated with well-developed work habits and critical thinking skills.**

**COURSE:** 0324  
**ALGEBRA II**  
**OPEN TO:** Grades 10 - 12  
**PREREQUISITE:** Geometry or Geometry Honors  
**CREDIT:** 5 Credits

**Course Description:**

Students in this course will reinforce their Algebra I skills and delve deeper into topics which include, but are not limited to: linear equations, inequalities, relations, functions, graphs, systems of equations, polynomials and rational expressions, exponents, roots, and quadratic equations.



**COURSE:** 0323, 1323  
**ALGEBRA II/TRIGONOMETRY HONORS**  
**OPEN TO:** Grades 10 - 11  
**PREREQUISITE:** Geometry Honors with a final grade of B or better and teacher recommendation  
**CREDIT:** 5 Credits

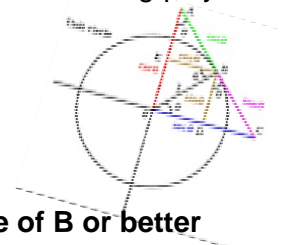
**Course Description:**

This course provides an in-depth extension of the skills and concepts developed in Algebra I. There is a greater emphasis on concepts, representations, and applications. Additional topics include matrices, quadratics, exponents, roots, logarithms, functions polynomials, series and sequences, and trigonometry. ***Students enrolled in Algebra II/Trigonometry Honors must be self-motivated with well-developed work habits and critical thinking skills.***

**COURSE:** 0334  
**PRE-CALCULUS**  
**OPEN TO:** Grades 11 - 12  
**PREREQUISITE:** Algebra II or Algebra II/Trigonometry Honors earning a grade of C+ or better and teacher recommendation.  
**CREDIT:** 5 Credits

**Course Description:**

This course serves as a standard choice in a four-year college preparatory sequence. The topics include a study of polynomial, rational, exponential, logarithms, and trigonometric functions with an emphasis on applications. Sequences and series, data analysis, and problem solving play a key role throughout the course.



**COURSE:** 0333  
**PRE-CALCULUS HONORS**  
**OPEN TO:** Grades 11 - 12  
**PREREQUISITE:** Algebra II/Trigonometry Honors with a final grade of B or better and teacher recommendation  
**CREDIT:** 5 Credits

**Course Description:**

This course includes the same content as Pre-calculus. Graphing calculators are used to facilitate the emphasis on analysis of data and synthesis of concepts. ***Students enrolled in Pre-calculus Honors must be self-motivated with well-developed work habits and critical thinking skills.***

**COURSE:** 0353  
**ADVANCED MATHEMATICS SEMINAR 9 HONORS**  
**OPEN TO:** Grade 9  
**PREREQUISITE:** AMS 8 with a final grade of B or better, NJ ASK Math 7 or 8 score of 250 or better, and teacher recommendation  
**CREDIT:** 5 Credits

**Course Description:**

This course is a continuation of the academically gifted sequence. The curriculum covers a wide range of topics including coordinate geometry, problem solving, linear functions, quadratic functions, polynomial functions, rational functions, and exponential functions. Other topics include the study of congruence and similarity, polygons, right triangles, circles, area, perimeter, volume and surface area. In addition, students engage in non-routine problem solving activities and complete independent

projects. ***Students enrolled in Advanced Mathematics Seminar 9 Honors must be self-motivated with well-developed work habits and critical thinking skills.***

**COURSE:** 0363  
**ADVANCED MATHEMATICS SEMINAR 10 HONORS**  
**OPEN TO:** Grade 10  
**PREREQUISITE:** AMS 9 Honors with a minimum final grade of C or better and teacher recommendation  
**CREDIT:** 5 Credits

**Course Description:**

This tenth grade course in the sequence for academically gifted students focuses on the integration of mathematics skills, concepts, representations and applications. Students will study algebraic, polynomial, and transcendental functions with a special emphasis on trigonometry. Students will also be given a comprehensive introduction to combinatorics, probability, and statistics. Experience with non-routine problems and independent projects will remain important components of the program. There will be extensive use of graphing calculators to facilitate the analysis of functions and synthesis of concepts. ***Students enrolled in Advanced Mathematics Seminar 10 Honors must be self-motivated with well-developed work habits and critical thinking skills.***

**COURSE:** 0373  
**ADVANCED MATHEMATICS SEMINAR 11 HONORS**  
**OPEN TO:** Grade 11  
**PREREQUISITE:** AMS 10 Honors with a minimum final grade of C or better and teacher recommendation  
**CREDIT:** 5 Credits

**Course Description:**

This eleventh grade course in the sequence for academically gifted students focuses on advanced pre-calculus topics and a thorough introduction to calculus. Topics will include sequences and series, mathematical induction, advanced topics in rational functions and trigonometry, polar coordinates, and complex numbers. In the second semester students will study limits and continuity, derivatives, curve sketching and other applications of derivatives, and the definite integral. ***Students enrolled in Advanced Mathematics Seminar 11 Honors must be self-motivated with well-developed work habits and critical thinking skills.***

**COURSE:** 0346  
**INTRODUCTION TO STATISTICS AND CALCULUS**  
**OPEN TO:** Grade 12  
**PREREQUISITE:** Pre-calculus  
**CREDIT:** 5 Credits

**Course Description:**

This course is designed to provide students with a good foundation for a first year statistics and/or a calculus course at the college level. The statistics portion emphasizes research and writing skills essential in a wide variety of fields. Topics covered in the course will include the measures of central tendency, such as mean, median, mode, quartile and standard deviation. Students will learn to represent data in a variety of graphical forms, draw inferences, and make decisions based on data.

In the calculus portion of the course, students will develop an understanding of the basic concepts of calculus in an environment where they use carefully structured investigative activities to help discover these ideas for themselves. The major concepts explored are functions, limits, derivatives, and integration. These ideas will be studied in the context of real-life applications.

**COURSE:** 0350  
**DISCRETE MATHEMATICS**  
**OPEN TO:** Grade 12 (and 11<sup>th</sup> graders by teacher recommendation only)  
**PREREQUISITE:** Algebra II  
**CREDIT:** 5 Credits

**Course Description:**

Discrete mathematics is about looking at our world and creating models to help solve problems. CDs, CAT scans, parking meters, presidential polls, computer graphics, and UPC bar codes are some real-life examples of problems that discrete mathematics investigates. Topics include, but are not limited to: election theory and voting, fair division and apportionment, matrix operation and applications, graph theory and trees, critical paths and circuits, planning and scheduling recursion, coding, and process of optimization. Other topics include fractal geometry, computational geometry, and probability.

**COURSE:** 0349  
**MATH METHODS**  
**OPEN TO:** Grade 12  
**PREREQUISITE:** Algebra II  
**CREDIT:** 5 Credits

**Course Description:**

In preparation for college and career choices, students will examine the mathematical concepts that are necessary to succeed in a variety of careers. This course is a project-based integration of all high school mathematics with an emphasis on college algebra.

**COURSE:** 0303  
**AP STATISTICS**  
**OPEN TO:** Grades 11 - 12  
**PREREQUISITE:** Algebra II / Trigonometry Honors or Pre-calculus Honors  
**CREDIT:** 5 Credits

**Course Description:**

This course has a broader scope than a typical college statistics course. The purpose is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will use the graphing calculator and computer as tools in the display and analysis of data. The students will be exposed to four broad conceptual themes. ***Students enrolled in AP Statistics must be self-motivated with well-developed work habits and critical thinking skills.***

- Exploring Data: Observing patterns and departures from patterns.
- Planning a Study: Deciding what and how to measure.
- Anticipating Patterns: Producing models using probability and simulation.
- Statistical Inference: Confirming models.



**COURSE:** 0343  
**AP CALCULUS AB**  
**OPEN TO:** Grade 12  
**PREREQUISITE:** Pre-calculus Honors with a minimum final grade of C+ or above and teacher recommendation  
**CREDIT:** 5 Credits

**Course Description:**

AP Calculus AB is a college level course in elementary functions and calculus. Topics include the differential and integral calculus applied to polynomial functions, rational functions, trigonometric functions, and logarithmic and exponential functions. Applications studied include determining rate of change, maximum and minimum problems, curve sketching, mean value theorem, area under a curve, solids of revolution, curve length, and methods of approximation. The graphing calculator will be used to enhance the study of the properties of functions and synthesis of concepts. The student will be prepared for the AP Calculus AB Advanced Placement Exam. ***Students enrolled in AP Calculus AB must be self-motivated with well-developed work habits and critical thinking skills.***

**COURSE:** 0383  
**AP CALCULUS BC**  
**OPEN TO:** Grade 12  
**PREREQUISITE:** Advanced Mathematics Seminar 11  
**CREDIT:** 5 Credits

**Course Description:**

AP Calculus BC is the final course in the eight year Advanced Mathematics Seminar sequence for academically gifted students. Topics include transcendental functions, methods of integration, analytic geometry, polar coordinates and conic sections, infinite series through Taylor's Theorem with remainder, and elementary differential equation, second order, and linear with constant coefficients. The graphing calculator will be used to enhance the study of the properties of functions and synthesis of concepts. The student will be prepared for the AP Calculus BC Advanced Placement Exam. ***AP students should enter the course as though it were a college course, have well developed work habits and be prepared to learn at an advanced pace.***



## SUGGESTED MATHEMATICS SEQUENCES

Grade 8	Algebra I (AMS 8)		Math 8	
Grade 9	AMS 9 Honors	Geometry Honors (also taught in TEAMS)	Algebra I Honors	Algebra I
Grade 10	AMS 10 Honors	Alg. II/Trigonometry Honors (also taught in TEAMS)	Geometry Honors	Geometry
Grade 11	AMS 11 Honors (also taught in TEAMS)	Pre-calculus Honors (also taught in TEAMS)	Algebra II/ Trigonometry Honors	Algebra II
Grade 12	AP Calculus BC (also taught in TEAMS)	AP Calculus AB (also taught in TEAMS)	Pre-calculus Honors or other options  (See below or complete Course Selection Guide)	Pre-calculus or other options

**Other options available for juniors and seniors are:**

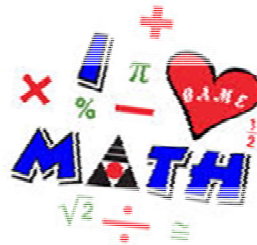
**Option:**

Discrete Mathematics  
Introduction to Statistics and Calculus  
AP Statistics  
Math Methods

**Prerequisite:**

Algebra II  
Pre-calculus  
Algebra II & Trigonometry Honors  
Algebra II

**One year of Computer Science can be used to fulfill one year of the four year mathematics requirement.**



## T.E.A.M.S. TECHNOLOGY-ENRICHED ACADEMY FOR MATHEMATICS AND SCIENCE

TEAMS is an innovative program aimed at establishing a smaller learning community to study challenging curricula by exploring unique mathematics, science and computer science topics using an integrated approach through an intense application of technology and thereby preparing students for college majors in mathematics, science, computer science, engineering, and other advanced fields of study.

The Honors curriculum is challenging, rigorous, and technology-intense. In addition to regular course work, students are expected to participate in mathematics, science, and computer science competitions and contests. Students will also be expected to complete large projects each year as part of a portfolio of their high school accomplishments. The program operates under a unique class schedule, which allows for greater student-teacher contact and uses cooperative learning strategies and activities to actively engage and motivate students. This “school-within-a-school” design gives students a high-tech learning experience in a small, close-knit community with all the extracurricular, co-curricular, and athletic opportunities that Teaneck High School has to offer.

**Curriculum Overview: Each TEAMS course for grades 9 & 10 earns five honors credits**

### Grade 9 Courses

- *Mathematics: Geometry*
- *Science: Biology*
- *Computer Science: calculator programming, Visual Basic programming (TEAMS 9 Computer Science and TEAMS 10 Computer Science, combined, are eligible for 3 college credits through Fairleigh Dickinson University)*
- T.E.A.M.S. STEM/TECHNOLOGY

### Grade 10 Courses

- *Mathematics: Algebra II & Trigonometry*
- *Science: Chemistry*
- *Computer Science: advanced Visual Basic topics and Java programming (TEAMS 9 Computer Science and TEAMS 10 Computer Science, combined, are eligible for 3 college credits through Fairleigh Dickinson University)*
- *English 10*

### Grade 11 Courses

- *Mathematics: a choice of AMS 11 or Pre-calculus Honors*
- *Science: a choice of Physics Honors, AP Biology, AP Chemistry, AP Environmental Science*
- *Computer Science: a choice of AP Computer Science, Cisco Networking Academy AB, Creating Apps for Tablets and Phones Honors*

### Grade 12 Courses

- *Mathematics: a choice of AP Calculus AB, AP Calculus BC, or AP Statistics*
- *Science: a choice of AP Physics, Physics Honors, AP Biology, AP Chemistry, AP Environmental Science*
- *Computer Science: a choice of AP Computer Science, Cisco Networking Academy AB, Cisco Networking Academy CD, Creating Apps for Tablets and Phones Honors*
- *(OPTIONAL) - Independent Study for the purpose of advanced research and projects for scholarships and awards.*
- *Engineering Fundamentals*

## COMPUTER SCIENCE

The Computer Science Department provides students with a variety of courses focusing on computer programming, engineering, and design. The courses are delivered in networked computer labs providing state of the art tools and services. Students may use, at most, one computer science course (see the list of applicable courses at the end of this section) toward satisfying the four-year mathematics graduation requirement. The Computer Science offerings lead up to advanced placement curriculum and technical certification opportunities.

**COURSE:** 0380  
**WEBSITE DESIGN**  
**OPEN TO:** Grades 9 - 12  
**CREDIT:** 5 Credits

### Course Description:

This course provides students with training and skill-building opportunities via activities involving the various aspects of website design. Combining writing, visual design, and computer utilization, *Website Design* incorporates a variety of skills and the ability to work with a wide range of software. Topics include raw HTML coding, cascading style sheets (CSS), interactive webpage features, image editing, creating animated gifs, Internet research, and complete website development. Students will put their academic skills to good use in designing effective and informative websites. Layout and design will be stressed for clarity of purpose and rigorous and consistent design, assisted by the *Dreamweaver* and *Fireworks* applications from the **Adobe Creative Suite 3** software suite. Utilizing *Flash* software, students will add motion and additional interactivity to their original websites. Projects include the creation of *Flash* files, in the form of both animations and site navigational tools, and the incorporation of *Flash* content into web documents. Additionally, students will be introduced to *JavaScript*, developing their own rollovers, form elements, and other web content.

**COURSE:** 0391  
**COMPUTER GAME DESIGN**  
**OPEN TO:** Grades 9 - 12  
**CREDIT:** 5 Credits

### Course Description:

The course will teach students how to create and design digital video games through the **Game Maker** software package. Organization, logic, mathematical knowledge, and note taking will be heavily emphasized, in order to create full-fledged working video games. During their time in this course, the students will create various video games from among the following genres: platform, side scrolling, flying, and others. The students will be taken through the complete game development cycle from the initial idea to the actualization of the game. The completion of various projects will be required, incorporating image editing, planning, logical sequencing, the use of conditionals for game-play interaction, and visual design.

**COURSE:** 0396  
**COMPUTER GAME DESIGN HONORS**  
**OPEN TO:** Grades 9 - 12  
**PREREQUISITE:** Computer Science I  
**CREDIT:** 5 Credits



### Course Description:

This course will teach students how to create interactive video games through the **Game Maker** software package. In addition to the fundamentals of image editing, planning, logical sequencing, and visual design, the students will build upon their previous experience in programming to develop

games with advanced scripting elements, which include using variables, arrays, and data structures, evaluating conditional statements, repeating code instructions through the use of loops, designing objects, and creating custom functions. Developing program code instructions with **GML** (*Game Maker Language*), organization, logic, application of mathematics background, and note taking will be heavily emphasized in the creation of complex video games. During their time in this course, the students will be required to complete video game projects from among the following genres: platform, side scrolling, multiplayer, flying, and others. The students will be taken through the entire development phase from the initial idea, through the story, to the actualization of the game.

**COURSE:** 0394  
**MODELING AND ANIMATION I**  
**OPEN TO:** Grades 9 - 12  
**CREDIT:** 5 Credits

**Course Description:**

This course is designed to introduce students to the world of modeling and animation as it applies to math, science and entertainment. Working with the powerful 3D visual effects software, **Maya 8**, students will learn the fundamentals of modeling and animation and move through techniques in texturing, lighting, and rendering. Through lectures, demonstrations, and intensive hands-on experiences, students will explore the technical standards, project management, and the production workflow used in broadcast, medical, architectural, film and video game industries. Differences between traditional and digital animation will also be examined. Students will develop their modeling and animation techniques and express their creativity through a range of small and large scale projects.

**COURSE:** 0388  
**MODELING AND ANIMATION II**  
**OPEN TO:** Grades 10 - 12  
**PREREQUISITE:** Modeling and Animation I  
**CREDIT:** 5 Credits

**Course Description:**

In this curricular follow-up to *Modeling and Animation*, the *Maya* 3D modeling software will be used to extend the topics that were introduced in the first year. *Maya* is powerful software that is used in many different types of digital media from movies to commercials and from character to object development in video games. The students will learn advanced polygon and sub-division modeling techniques, setting up complex character rigs, advanced nurbs (Non-Uniform Rational B-Splines) modeling, and realistic, complex animations involving bipeds, and quadrupeds. The course will involve multiple projects in which students will design and create characters and vehicles, using box, quad and spline modeling. Lastly, students will model various architectural elements utilizing advanced polygonal techniques.

**COURSE:** 0397  
**COMPUTER SCIENCE I**  
**OPEN TO:** Grades 9 - 12  
**PREREQUISITE:** Algebra or AMS 8  
**CREDIT:** 5 Credits  
**OTHER:** Students who successfully complete both Computer Science I and Computer Science II Honors are eligible for 3 undergraduate college credits through Fairleigh Dickinson University's Middle College program. An application fee, currently \$220, is payable directly to FDU.

**Course Description:**

*Computer Science I* is the introductory course in computer programming using **Microsoft® Visual Basic 2158**, a valuable tool both among teachers and professional programmers. Its powerful rapid-application development environment puts the creation of custom-designed Windows programs within the grasp of first-year students while the rigors of programming will aid the students in sharpening their accuracy, logic, and critical thinking. The course takes a hands-on approach to learning programming concepts, using a combination of individual tutorials and group activities. Instructional topics include the design and construction of graphical user interfaces, the use of numeric and string variables, decision and looping structures, and an introduction to the concepts of object-oriented, event-driven programming. Students will create programs that operate in a Windows environment with emphasis on good programming techniques, appropriate screen layout, and proper code structure. Assessment will be based upon both written evaluations (tests and quizzes) and project based programming assignments.

**COURSE:** 0399  
**COMPUTER SCIENCE I HONORS**  
**OPEN TO:** Grades 9 - 12  
**PREREQUISITE:** Any AMS course or Geometry Honors (may be taken concurrently)  
**CREDIT:** 5 Credits  
**OTHER:** Students who successfully complete both Computer Science I Honors and Computer Science II Honors are eligible for 3 undergraduate college credits through Fairleigh Dickinson University's Middle College program. An application fee, currently \$220, is payable directly to FDU.

**Course Description:**

*Computer Science I Honors* is a first-year course in computer programming for students, with a keen interest in technology, who are interested in exploring a wider variety of **Microsoft® Visual Basic 2158's** many intrinsic features. Students of *Computer Science I Honors* will design original software applications using the powerful rapid-application development environment of **Visual Basic**. The rigors of this course will aid students in sharpening their accuracy, logic, and critical thinking. The course takes a hands-on approach to learning programming concepts, using a combination of individual tutorials and group activities. Students will create programs that operate in a Windows environment with emphasis on good programming techniques, appropriate screen layout, and proper code structure. Assessment will be based upon both written evaluations (tests and quizzes) and project based programming assignments. Instructional topics include the design and construction of graphical user interfaces, the use of numeric and string variables, decision and looping structures, and an introduction to the concepts of object-oriented, event-driven programming. Moreover, students in *Computer Science I Honors* will produce applications requiring a high degree of computational skill and involving content from among the following enrichment topics: forms with transparency, integrating video and sound, designing an original paint program, incorporating help files, creating a complete install routine, folder browsing, loading images, and using additional controls in applications (i.e., progressbar, trackbar, tab, and tooltip).

**COURSE:** 0393  
**COMPUTER SCIENCE II HONORS**  
**OPEN TO:** Grades 10 - 12  
**PREREQUISITE:** Computer Science I or Computer Science I Honors  
**CREDIT:** 5 Credits  
**OTHER:** Students who successfully complete both, Computer Science I and Computer Science II Honors, are eligible for 3 undergraduate college credits through Fairleigh Dickinson University's Middle College program. An application fee, currently \$220, is payable directly to FDU.

**Course Description:**

*Computer Science II Honors* is a course for students who have completed the first-year course, *Computer Science I*. The sequence of the course is as follows:

**First through Third Quarters: Visual Basic**

*Computer Science II Honors* will build upon the background gained through instruction in the programming environment of **Visual Basic 2158** in *Computer Science I*. Students will create and compile executable programs that operate in a Windows environment. Good programming techniques, appropriate screen layout, and proper code structure will be stressed. Topic areas will include external file management, string manipulation, creating, modifying, and retrieving data from databases, SQL, the use of variable arrays, and document printing and formatting.

**Fourth Quarter: Introduction to Java**

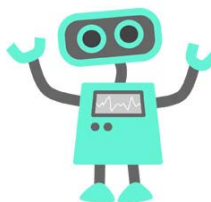
In the fourth quarter of *Computer Science II Honors*, students will begin working toward the AP Computer Science curriculum. Java, the current language tested on the AP Computer Science Examination, will be introduced this semester. Instructional topics will include fundamental Java notation, Object-Oriented Programming (OOP) concepts and techniques, the use of the compiler, error messages, control structures in Java, method definitions and calls, and graphical programming in Java. Assessment will be based upon both written evaluations (tests and quizzes) and project-based programming assignments.

**COURSE:** 0395  
**ADVANCED PLACEMENT COMPUTER SCIENCE AB**  
**OPEN TO:** Grades 11 - 12  
**PREREQUISITE:** Computer Science II Honors  
**CREDIT:** 5 Credits

**Course Description:**

An outstanding way for students to prepare for university studies is to take AP Computer Science AB (see [apcentral.collegeboard.com](http://apcentral.collegeboard.com)). In addition to covering programming methodology with an emphasis on algorithmic development, the AP Computer Science AB course, addresses such advanced topics as data structures and formal analysis of algorithms. The curriculum prepares students well for advanced work in computer science, mathematics, engineering, business, and the natural sciences. The type of student who enrolls in AP Computer Science AB tends to be highly motivated and enjoys open-ended assignments. To further facilitate learning, students are presented with a case study, which includes a narrative describing the solution to a problem, the solution code, and study questions. *AP Computer Science AB* is an outstanding preparation for any intended college major.

**COURSE:** 0390  
**ROBOTICS/AUTO CAD**  
**OPEN TO:** Grades 10 - 12  
**PREREQUISITE:** Computer Science I  
**CREDIT:** 5 Credits



**Course Description:**

The first semester of this course introduces fundamental concepts in robotics through hands on projects using LEGO Mindstorms Robot Kit Labs and the RCX Code platform. Unlike traditional computer science courses that focus on programming software for a PC, this course takes an engineering approach to create robotic systems from the ground up. For each lab, students will draft design specifications that will clearly define the goal that their robot must achieve, and the process through which it will achieve that goal. In addition to the teacher facilitated labs, students will be required to create robots to solve problems individually. Throughout the course, basic concepts will be discussed such as coordinate transformations, path planning, sensors, kinematics, and feedback and feed-forward control. More advanced concepts include robots that are reactive to the environment and behavior-based, as well as robot learning and multi-robot systems. At the end of the year, students will compete in a robotics contest, where groups of students will cooperate in order to create the robot that best achieves a specified goal.

The second semester of this course introduces fundamental concepts in Computer Aided Design (CAD) through the use of the CAD software, AutoCAD. Learning AutoCAD will familiarize student with 2D technical drawing skills that are universally used in technical careers such as, all engineering fields, as well as architecture and any auxiliary fields and careers that are associated with engineering and architecture. Students will come away with a working knowledge in 2D technical drawing that will serve them in any CAD related software as well as the use of AutoCAD.

**COURSE:** 0300  
**CREATING APPS FOR TABLETS AND PHONES**  
**OPEN TO:** Grades 10 - 12  
**PREREQUISITE:** Algebra II or AMS 9  
**CREDIT:** 5 Credits

**Course Description:**

With the explosive increase in the use of smartphones and tablets, the ability to create “apps” has become a highly-regarded and marketable skill. This course will cover the development of mobile apps using LiveCode®, an object-oriented programming language with a platform-common scripting structure that can compile for desktop, iOS, and Android devices. Students will be introduced to the concepts of app development starting with the familiar button, label, and text objects, and will continue with the handling of images and sound, culminating with the incorporation of finger swipes, slides, and other actions specific to phone and tablet touchscreen technology. Students will be able to deploy and utilize their projects on their personal smartphones and tablets.

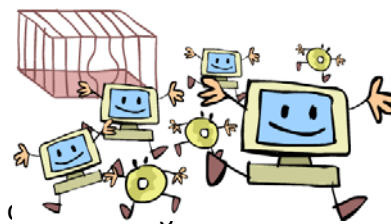
**COURSE:** 0301  
**CREATING APPS FOR TABLETS AND PHONES HONORS**  
**OPEN TO:** Grades 10 - 12  
**PREREQUISITE:** Algebra II or AMS 9 and Computer Science I  
**CREDIT:** 5 Credits

**Course Description:**

This course will cover the development of mobile apps using LiveCode®, an object-oriented programming language with a platform-common scripting structure that can compile for desktop, iOS, and Android devices. Students will use their prior programming skills as a foundation for the study of the handling of user-interface objects, images and sound, and the integration of finger swipes, slides,

and other actions specific to phone and tablet touchscreen technology, eventually being able to deploy and utilize their projects on their personal smartphones and tablets. The students will be expected to demonstrate enhanced breadth and depth in objective testing, to be able to research and incorporate features beyond the standard curriculum into their applications/apps, and to develop a body of project work of greater size and complexity, including projects of independent design.

**COURSE:** T.E.A.M.S. STEM/TECHNOLOGY SURVEY  
**OPEN TO:** Grade 9  
**CREDIT:** 5 Credits



**Course Description:**

T.E.A.M.S. STEM/Technology Survey is a project based and hands-on course that exposes students to a variety of STEM subjects and topics that include, but that are not limited to electronic circuit design, rocket design, environmental conservation design (by use of the Steven Institute of Technology *Infuse* program), introduction to robotics, CAD design (by use of Autodesk **AutoCAD** software.) There will be an emphasis on the engineering design process, problem solving, teamwork and collaboration, as well as presentation and communication skills.

**THE CISCO NETWORKING ACADEMY COURSES AT TEANECK HIGH SCHOOL**

The **Cisco Networking Academy** ([cisco.netacad.net](http://cisco.netacad.net)) program teaches students the skills needed to design, build, and maintain small to medium-size computer networks. The program combines lectures and online learning with hands-on laboratory exercises in which students apply what they learn in class while working on actual networks. From basic to advanced networking skills, this program prepares students for lifelong opportunities in technology in the real world.

Students are prepared for industry-standard certifications, including **Cisco Certified Network Associate** (CCNA). Eligibility for this certification exam is available upon successful completion of the 280-hour curriculum, which is taught over four (4) semesters (A, B, C, and D). The **Cisco Networking Academy** program is recognized nationally in the technology industry and therefore, seniors having successfully completed only the first two semesters (A and B) towards CCNA certification can complete the remaining two semesters towards that certification in their post-secondary work.

We offer two separate courses: *CISCO NETWORKING AB* and *CISCO NETWORKING CD*.

**COURSE:** 0384  
**CISCO NETWORKING AB**  
**OPEN TO:** Grades 9 - 12  
**PREREQUISITE:** Algebra I or AMS 8  
**CREDIT:** 5 Credits

**Course Description:**

The first semester, **(A)**, topics include network topologies, the OSI model and industry standards, IP addressing including subnet masks, networking components, and basic network designs. Second semester, **(B)**, topics focus on beginning router configurations, and routing protocols. Each semester earns 2.5 credits. **Strict** performance standards are requisites (by Cisco) for advancing to the second semester and to the subsequent course.



**COURSE:** 0385  
**CISCO NETWORKING CD**  
**OPEN TO:** Grades 10 - 12  
**PREREQUISITE:** Cisco Networking AB  
**CREDIT:** 5 Credits

**Course Description:**

The third semester, **(C)**, topics include Switching and VLANs, Spanning-Tree Protocol, Routing and Routing Protocols, Access Control Lists (ACLs), Network documentation, security and troubleshooting. Fourth semester, **(D)**, topics focus on WAN technology basics including: WAN devices, encapsulation formats, and communication, PPP components, session establishment, and authentication, ISDN uses, services, and configuration, Frame relay technology and configuration. Each semester earns 2.5 credits. **Strict** performance standards are requisites (by Cisco) for advancing to the second semester.

At the **successful** completion of all four semesters **(A, B, C, and D)**, students will take the **CCNA Examination**. The Teaneck Board of Education will cover the cost of the fee involved.

**COMPUTER SCIENCE SUGGESTED SEQUENCES**

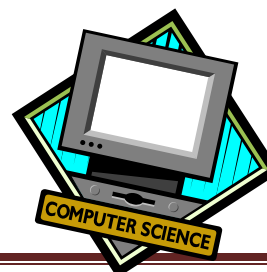
**Computer Science choices by grade level (contingent upon meeting prerequisites)**

9th	10th	11th	12th
Computer Science I Computer Science I (H)	Computer Science II (H)	AP Computer Science AB	See Alternatives
Computer Game Design Computer Game Design (H)	Computer Science I Computer Science I (H)	Computer Science II (H)	AP Computer Science AB
	Computer Game Design Computer Game Design (H)	Computer Science I Computer Science I (H)	Computer Science II (H)
Alternatives:  Cisco AB Modeling & Animation	Alternatives:  Cisco AB Cisco CD Creating Apps Modeling & Animation Modeling & Animation II Website Design	Alternatives:  Cisco AB Cisco CD Creating Apps Creating Apps (H) Computer Game Design Computer Game Design (H) Modeling & Animation Modeling & Animation II Website Design	Alternatives:  Cisco AB Cisco CD Creating Apps Creating Apps (H) Computer Game Design Computer Game Design (H) Modeling & Animation Modeling & Animation II Website Design

In 10th, 11th or 12th grade a student may elect more than one Computer Science course.

One of the following Computer Science courses can be used to satisfy **at most ONE** year of the four-year mathematics graduation requirement:

- Computer Science
- Computer Science I Honors
- Computer Science II Honors
- AP Computer Science AB



## SCIENCE

The Science Department at Teaneck High School provides students with many alternatives as they plan their education. The Teaneck Board of Education has established **requirements for graduation that include three years of science**. Similarly, the New Jersey Department of Education requires 15 credits of science courses for graduation. The 15 credits **must** include at least 5 credits in laboratory biology or life science, 5 credits in chemistry, environmental science or physics and an additional 5 credits in a lab/inquiry-based science course. However, students should be aware that many vocational schools, colleges, and universities might require additional science courses or specific science courses as a prerequisite for admission. It is the responsibility of each student to determine which science courses they need to meet college requirements. Parents, guidance counselors, and science teachers can often help with choosing the appropriate courses.

## PLANNING YOUR SCIENCE CURRICULUM

Although a total of the aforementioned three courses meet the graduation requirements, experience has shown that some combinations are of more value to students than others. For example:

- All science courses are college preparatory courses.
- Biology, chemistry, and physics are traditional college preparatory courses designed to give a general preparation in science. The honors electives are appropriate for those students whose interest and abilities will be better served with more challenging experiences. **Generally, students selecting a series of honors science courses should begin the sequence in ninth grade only if they plan to elect an Advanced Placement offering in the twelfth grade.**
- Although students may take courses in any sequence, for those planning on taking three introductory courses, the science department recommends physical science, life science, and then chemistry. Your interests, abilities, etc. may prompt you to deviate from this sequence.
- If interested in doing college level work while in high school (Advanced Placement courses), then the student should prepare by taking appropriate courses in ninth, tenth, and eleventh grades. Usually, students taking an Advanced Placement science have taken the honors offerings in biology, chemistry, and physics before electing any AP science course.

These, of course, are generalities. Students are urged to discuss their particular interests, needs, and concerns with parents, teachers, guidance counselors, or other school officials.



**COURSE:** 0426  
**ENVIRONMENTAL SCIENCE**  
**OPEN TO:** Grade 9  
**PREREQUISITE:** Middle School teacher recommendation  
**CREDIT:** 5 Credits

**Course Description:**

This course is designed to help the student understand the various ways people impact their environment at both a local and global level. The topics included in this course detail ecosystems and the interactions within them, the nature of water, air, soil, and the effects of an increasing human population with regard to our natural resources such as food, land, and energy are studied.

Special emphasis will be given to the study of current environmental problems such as water and air pollution, global warming, destruction of the ozone layer, acid rain, loss of biodiversity, and increasing waste.

**COURSE:** 0425  
**PHYSICAL SCIENCE**  
**OPEN TO:** Grade 9  
**PREREQUISITE:** Teacher recommendation and Algebra I concurrently  
**CREDIT:** 5 Credits

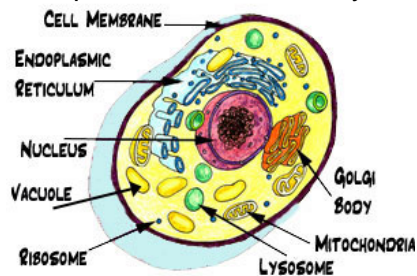
**Course Description:**

Physical Science offers the student the opportunity to build a solid, introductory foundation in essential units within the disciplines of chemistry, physics, earth and space science. Within the context of each of these units, students will begin to deepen their understanding of the scientific method and the presentation of scientific data in conjunction with the laboratory experience. ***Students selecting Physical Science should be taking Algebra I concurrently.***

**COURSE:** 0424  
**BIOLOGY**  
**OPEN TO:** Grade 10  
**PREREQUISITE:** Physical Science  
**CREDIT:** 5 Credits

**Course Description:**

Biology provides a broad survey of the diversity of life and a thorough investigation of the underlying principles and theories that give a sense of unity to the study of life. The course is based on four major themes: Unity & Diversity, Genetic Continuity, Structure & Function, and Ecology. There is an emphasis on laboratory investigation to develop an understanding of the unifying principles of biology. In the laboratory, students are expected to develop effective laboratory technique, to conduct experiments and to report their findings.



**COURSE:** 0423  
**BIOLOGY HONORS**  
**OPEN TO:** Grade 9  
**PREREQUISITE:** Demonstrated outstanding ability in previous science courses and teacher recommendation  
**CREDIT:** 5 Credits

**Course Description:**

Biology Honors is intended to provide students a broad foundation with respect to the different areas of study contained within the field of biology. This foundation will help them to understand biological concepts that impact everyday life events as well as to pursue more advanced future study in biology and its related fields. A heavy emphasis is placed on the study of life at the molecular level. First semester topics include units on biochemistry, the cell, cellular transport mechanisms, cellular respiration, photosynthesis, and cell division. Second semester topics include evolution, biological classification, protein synthesis, classical genetics, biotechnology and animal form and function. Laboratory work will be done for each unit to deepen student understanding. At the end of this course, students will have the necessary science background in biology to describe and appreciate the various forms of life, their workings, and interactions with each other and the impact biotechnology will have on the 21<sup>st</sup> century.

**COURSE:** 0434  
**CHEMISTRY**  
**OPEN TO:** Grade 11  
**PREREQUISITE:** Biology, Knowledge of Algebra and good computational skills  
**CREDIT:** 5 Credits

**Course Description:**

Chemistry is a laboratory course designed to provide a broad general understanding of the nature and composition of various forms of matter. Students will be engaged in the study of matter and its changes, atomic theory, the periodic table, chemical reactions, behavior of gases, organic and inorganic compounds, and the mathematical calculations appropriate to understanding these topics. In the laboratory, students learn proper laboratory techniques, safety precautions, and improve their skill in writing laboratory reports. Laboratory activities include both hands-on and computer assisted investigations.

**COURSE:** 0433  
**CHEMISTRY HONORS**  
**OPEN TO:** Grades 10 - 11  
**PREREQUISITE:** Biology Honors  
**CREDIT:** 5 Credits



**Course Description:**

Chemistry Honors covers a broad spectrum of chemistry similar to that of traditional chemistry. Some areas covered are the periodic table, chemical bonding, stoichiometry, chemical kinetics, chemical equilibrium, acids, bases, electrochemistry, atomic structure and some organic chemistry. In this class, unifying principles are developed from experimental observation. Students develop their ability to apply these principles to new situations rather than just accepting the dogmatic assertions of others. They will learn the basis for their predictions and then go back to the laboratory to test their predictions. Laboratory activities include both hands-on and computer assisted investigations. This course is designed for the science and math oriented student who has already developed knowledge and skills in these areas.

**COURSE:** 0444  
**PHYSICS**  
**OPEN TO:** Grade 11  
**PREREQUISITE:** Biology, Chemistry, Algebra and Geometry  
**CREDIT:** 5 Credits

**Course Description:**

Physics presents students with concepts such as motion and force, light and electromagnetic radiation, heat potential and kinetic energy, magnetism, and electricity. Investigations include hands-on physical experiments. In order to develop a full understanding of the topics included in physics, students will be expected to carry out both graphic and mathematical analyses.

Physics is recommended for students who intend to apply to a four-year college or who plan to major in a technical field in a two-year college program.

**COURSE:** 0443  
**PHYSICS HONORS**  
**OPEN TO:** Grade 11  
**PREREQUISITE:** Biology Honors, Chemistry Honors, AMS 9, 10, or Algebra II/Trigonometry Honors  
**CREDIT:** 5 Credits

**Course Description:**

Physics Honors is designed for students having a strong interest and ability in both mathematics and science. Instead of a shallow coverage of a wide range of topics, students in physics cover the basic topics of mechanics, electricity, light, magnetism, and introductory quantum mechanics in detail, with an emphasis placed on conceptual understanding. The student is expected to gain significant insights into physical principles through analysis and interpretation of experiments and demonstrations. The conversion of laboratory data into algebraic expressions is emphasized, as is the writing of formal laboratory reports.

**COURSE:** 0496  
**ZOOLOGY**  
**OPEN TO:** Grades 11 - 12  
**PREREQUISITE:** Biology, Physical Science or Chemistry  
**CREDIT:** 5 Credits

**Course Description:**

Zoology will cover the animal kingdom from the simplest animal-like protozoan to the most complex human animal. Looking at the phyla from an evolutionary standpoint, students will learn about the anatomy, physiology, behavior, and habitat of animals. Emphasis will be placed upon the development of body systems. Students will conduct research utilizing the Internet, software, and other resources. In addition, students will participate in dissections and virtual dissections of animals. Students will be required to do a research paper and make periodic presentations based upon their findings.

**COURSE:** 0495  
**MARINE BIOLOGY**  
**OPEN TO:** Grades 11 - 12  
**PREREQUISITE:** Biology, Physical Science or Chemistry  
**CREDIT:** 5 Credits

**Course Description:**

Marine Biology presents a unique experience for high school students with a wide variety of achievement levels. The first semester emphasis is placed on the interdisciplinary nature of marine science, encompassing topics such as technology, ecology, taxonomy, plankton, dangerous sea life and marine mammals. The second semester features extensive hands-on laboratory experiences in microbes, protists, sponges, corals, jellyfish, marine worms, mollusks, arthropods and chordates. Dissections of squid, crabs, sand worms, sea anemones and sharks will be conducted.

**COURSE:** 0494  
**MARINE BIOLOGY HONORS**  
**OPEN TO:** Grades 11 - 12  
**PREREQUISITE:** Biology Honors, Physical Science or Chemistry  
**CREDITS:** 5 Credits  
**OTHER:** Eligible for 3 college credits from FDU

**Course Description:**

Marine Biology Honors is intended for those students with an in-depth preparation in science who wish to accelerate their education by completing college level work.

Four major themes run through the program: basic science as applied to the marine environment, the marine ecosystem and ecology, interactions of humans with the ocean, and the incredible diversity of the marine organisms themselves, including their evolution, taxonomy, and structure and function. Topics encompass plankton, dangerous sea life and marine mammals. Major projects include a research paper, dissections of creatures like sharks, and many other hands-on laboratory activities. Descriptions of college opportunities and careers in Marine Biology are included.

**COURSE:** 0455  
**ENGINEERING FUNDAMENTALS HONORS**  
**OPEN TO:** Grade 12  
**PREREQUISITE:** Biology or Biology Honors, Chemistry or Chemistry Honors,  
Physics or Physics Honors (can be taken concurrently)  
Algebra II / Trigonometry Honors (can be taken concurrently)  
**CREDIT:** 5 Credits

**Course Description:**

Engineering Fundamentals is a challenging course that will allow students to discover what engineering is, what engineers do, and the role that engineering plays in shaping the world. Developed by faculty from the University of Texas at Austin, the course will include the role that engineering has in everyday life; the practice of engineering as it relates to ethics, safety and standards; the engineering design process; problem-solving; the application of scientific principles and mathematics to engineering design; project management; collaboration and teamwork; and communication. There will be an emphasis on project based learning and hands-on activities.

**COURSE:** 0486  
**HUMAN ANATOMY & PHYSIOLOGY**  
**OPEN TO:** Grades 11 - 12  
**PREREQUISITE:** Student must complete three science courses that fulfill state graduation requirements before enrolling in this course.  
**CREDIT:** 5 Credits

**Course Description:**

Human Anatomy and Physiology is designed to introduce students to the structure and function of the human body. Units of study in this course are organized by the study of the human organ systems. After a brief introductory unit dealing with anatomical terminology and human tissues, students will study units on the skeletal, muscular, nervous, endocrine, cardiovascular, respiratory, immune, digestive, excretory, and reproductive systems. Dissections of a sheep brain and pig heart will highlight the lab component of this course. Students who are interested in pursuing studies in medicine and allied medical fields are especially encouraged to take this course as a precursor for their intended future studies. *Anatomy and Physiology is an elective science course that will NOT count toward fulfilling science high school graduation requirements.*

## ADVANCED PLACEMENT SCIENCE COURSES

The Advanced Placement (AP) courses are intended for those students with in-depth preparation in science that wish to accelerate their education by completing college level work while still in high school. All of these courses use college texts exclusively.

**COURSE:** 0453  
**ADVANCED PLACEMENT BIOLOGY**  
**OPEN TO:** Grades 11 - 12  
**PREREQUISITE:** Biology Honors, Chemistry Honors  
**Physics or Physics Honors (can be taken concurrently)**  
**REQUIREMENT:** "O" Period to fulfill the laboratory requirement  
**CREDIT:** 6 Credits

**Course Description:**

The AP Biology course is designed to be the equivalent of a college introductory biology course and will cover eight broad units of study: the chemistry of life, the cell, genetics, evolution, biological diversity, plant form and function, animal form and function, and ecology. Students are expected to work through in-depth laboratory exercises recommended by the College Board. Study of the biological concepts contained within these eight units and the recommended labs prepare students for the Advanced Placement Biology Exam and serve as a strong foundation for future studies in biology and its related fields.



**COURSE:** 0473  
**ADVANCED PLACEMENT CHEMISTRY**  
**OPEN TO:** Grades 11 - 12  
**PREREQUISITE:** Biology Honors, Chemistry Honors  
Physics or Physics Honors (can be taken concurrently)  
**REQUIREMENT:** "O" period to fulfill the laboratory requirement  
**CREDIT:** 6 Credits

**Course Description:**

AP Chemistry covers many of the same topics taught in the honors chemistry course, but uses the knowledge gained as a departure point and treats the topics in much greater depth. Additional concepts covered include chemical thermodynamics, bond and orbital theory, and nuclear chemistry. Emphasis is placed on student responsibility and independent activities are encouraged. The laboratory is open-ended which offers greater opportunity for intellectual growth.

**COURSE:** 0483  
**ADVANCED PLACEMENT PHYSICS C**  
**(electricity, magnetism and mechanics)**  
**OPEN TO:** Grade 12  
**PREREQUISITE:** Biology Honors, Chemistry Honors, Physics Honors, AP Calculus  
concurrently  
**REQUIREMENT:** "O" period to fulfill the laboratory requirement  
**CREDIT:** 6 Credits

**Course Description:**

AP Physics is a rigorous approach to college physics using vector analysis and calculus as tools for understanding. The deep relationship between physics and mathematics is consistently explored. Laboratory work emphasizes the development of experimental skills and an understanding of error analysis. Additional emphasis is placed on the application of concepts to new situations. Students should expect to spend considerable time in out-of-class study and problem solving.

**COURSE:** 0493  
**ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE**  
**OPEN TO:** Grades 11 - 12  
**PREREQUISITES:** Biology Honors, Chemistry Honors  
**REQUIREMENT:** "O" period to fulfill the laboratory requirement  
**CREDIT:** 6 Credits

**Course Description:**

AP Environmental Science is designed to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them.

The course includes a substantial laboratory and field component to help students learn about the environment through careful observation and experimentation, while developing their critical thinking, problem solving, and communication skills. Topics investigated include earth systems; populations, communities, and ecosystems; energy flow and materials' cycling; evolution and geologic history and influences; natural resources; environmental changes; environmental economics and policy, and choices for the future.



## WORLD LANGUAGES

The study of world languages is an essential part of the education of all students. In order to compete at an elite level in a multilingual, multicultural world, it will be necessary to demonstrate competence in a second language. The work world of the 21st century will require adults to be able to operate in a pluralistic society. To assist students in their preparation for the future, all Teaneck High School students are required to complete ONE YEAR of language study. Students are encouraged to continue study beyond the first year for increased proficiency and college admission.

There are many advantages to language study. Research shows that learning another language improves reasoning, conceptualizing, and listening skills. The study of another language improves the understanding of English; students have a better grasp of the structure, vocabulary, and syntax of their first language. Language courses also provide students with in-depth knowledge of the culture of other lands, thus fostering intercultural sensitivity. Additionally, because *many colleges require a minimum of two years of language study* for admission, the learning of another language will enable Teaneck High School students to meet the challenges of the future.

Language study at Teaneck High School involves listening, speaking, reading, writing, and cultural activities. The three modes of language communication (presentational, interpretive, and interpersonal) are integral parts of classroom instruction. Major emphasis is on classroom participation; maximum exposure to the second language takes place during the daily instructional period through teacher-student and student-student communication. Homework assignments are given to reinforce the day's activities. Examinations include tests of aural comprehension and oral proficiency.

## LATIN

**COURSE:** 0545  
**LATIN I**  
**OPEN TO:** Grades 9 - 12  
**CREDIT:** 5 Credits



### Course Description:

Latin I introduces students to the basic vocabulary, paradigms, and syntax of Latin. Mastery of the basics of the language is reinforced by many comprehension exercises and much translation from Latin to English. Reading material consists of stories embracing all phases of Roman life and civilization, including myths, Roman personalities, and simple stories with everyday themes and people. Though Latin is not a spoken language, students enjoy reading it, and the textbook encourages a “living language” approach. A number of readings in English and projects are devoted to Roman history and culture.

Students devote much time to an increased and improved understanding of the vast number of English words derived from Latin. Students strengthen their formal English expression by the study of many models of classic expression in Latin.

**COURSE:** 0546  
**LATIN II**  
**PREREQUISITE:** Latin I  
**CREDIT:** 5 Credits

**Course Description:**

Latin II includes a complete review of the Latin vocabulary and grammar previously studied, adding additional vocabulary and grammar necessary for the reading material of Latin II. The review and the additional vocabulary are reinforced by exercises, translation, and audio-visual materials. The reading material is focused primarily with Roman life and legend. Emphasis continues on English-Latin derivation and reinforcing useful vocabulary and idioms.

**COURSE:** 0547  
**LATIN III / IV**  
**PREREQUISITE:** Latin II  
**CREDIT:** 5 Credits

**Course Description:**

In Latin III, students will be exposed to authentic and original Latin texts by Roman authors like Vergil, Catullus, Ovid and others. The student is introduced to a more complex grammar and will continue to master the Latin declensions and conjugations.

## **FRENCH**

**COURSE:** 0524  
**FRENCH I**  
**OPEN TO:** Grades 9 - 12  
**CREDIT:** 5 Credits

**Course Description:**

The French program (French I, II, III) emphasizes listening and speaking skills. Reading and writing activities are also provided. Oral proficiency is developed through listening comprehension exercises, mini-dialogues, and conversation. Visuals are used to help students acquire vocabulary with minimal dependence on English. The Francophone world, Francophone attitudes and Francophone customs are integral to all instruction. Various songs, videotapes, and films provide additional learning experiences. French is the primary language of the classroom.

**COURSE:** 0525  
**FRENCH II**  
**PREREQUISITE:** French I  
**CREDIT:** 5 Credits

**Course Description:**

French II continues to develop listening ability along with speaking, reading and writing. Pronunciation and intonation are also stressed. Students learn to converse and discuss, to describe what they see and what they feel. They learn by listening to spoken language and its structure, as well as by speaking it. Audio-visual materials help to provide more varied voices and situations. Reading for comprehension is emphasized to increase both active and passive vocabulary. The experiences of the instructor enrich the cultural environment so that French becomes a living language. French is the primary language of the classroom.

**COURSE:** 0526  
**FRENCH III**  
**PREREQUISITE:** French II  
**CREDIT:** 5 Credits

**Course Description:**

The living language approach provides continued exposure to spoken French as students develop their speaking, reading, and writing at a more advanced level. Supplementary reading materials are used to increase vocabulary and reinforce understanding in all areas. By the end of the year, all the basic grammar of the language will have been covered.

Appropriate materials are read for practice in pronunciation and comprehension of content as well as to enable students to increase and use vocabulary. From as many sources as possible (film, videos, cassettes, field trips, visitors, and experiences of the instructor), students will become increasingly more knowledgeable about the Francophone world and its exciting culture and people. The course is conducted primarily in French.

**COURSE:** 0518  
**FRENCH 9 HONORS**  
**PREREQUISITE:** French 8  
**CREDIT:** 5 Credits

**Course Description:**

French 9 maintains the oral/aural approach to language study begun in the middle school. There is continued emphasis on listening and speaking skills along with further development of grammatical concepts. A variety of materials is used to promote discussion of cultural topics that are integral to the course. Activities such as songs, games, videos, and film all enhance the linguistic and cultural material of the class. **The course is conducted primarily in French.**

**COURSE:** 0527  
**FRENCH 10 HONORS**  
**PREREQUISITE:** French 9 HONORS  
**CREDIT:** 5 Credits

**Course Description:**

This course completes the basic information regarding the French language and culture: all verb tenses (except the subjunctive), essential idiomatic expressions, grammatical and syntactical rules, and a vocabulary sufficient to understand and participate actively in all common social and commercial situations. Reading moves from prepared textbook selections to authentic material. Students completing this course will be prepared to continue study at an advanced level. **The course is conducted in French.**

## FRENCH ELECTIVE PROGRAM

After students have completed French 10 or French III, they are encouraged to continue the study of French by selecting one of the elective courses. The teacher can advise the students on the best choice.

**COURSE:** 0533  
**LA CIVILIZATION FRANÇAISE and  
LA FRANCE ACTUELLE (HONORS)**  
**PREREQUISITE:** French 10, French III, or Marchons!  
**CREDIT:** 5 Credits

### Course Description:

The first semester examines the high points of French culture and civilization beginning with prehistoric Gaul and includes the great expressions of art and architecture, the history and folkways of the French people, and the French influence on Western Civilization. Reading, writing, and oral skills are stressed; grammar is discussed only as it relates to other class work. The class is conducted entirely in French. A weekly journal encourages students to write their thoughts in French.

The second semester of this class deals with modern France. Students read French magazines and newspapers and discuss other expressions of contemporary French culture. Additional readings may include short stories, plays, and novels. There is continuing emphasis on oral expression, pronunciation, and the acquisition of vocabulary. There is a study of the subjunctive and other relevant grammar. Writing assignments are an integral part of this course, which is conducted entirely in French.

**COURSE:** 0523  
**ADVANCED PLACEMENT FRENCH LANGUAGE**  
**PREREQUISITE:** La Civilization Française and La France Actuelle  
**CREDIT:** 5 Credits

### Course Description:

In this advanced course students read, in French, excerpts or entire works by major French writers, such as Voltaire, Sand, Molière, Duras, Sartre, Flaubert, Abbé Prévost, Corneille, and Balzac. Students will also read selected poetry by La Fontaine, Apollinaire, Villon, Ronsard, and Baudelaire. Class lectures and discussions will place these works in their historical and cultural context. Students will also refine their knowledge of French grammar through advanced study and frequent writing assignments. Students taking this course will be prepared for the AP exam in French Literature or Language offered in May. The course is conducted entirely in French.

## SPANISH

**COURSE:** 0569  
**SPANISH I**  
**OPEN TO:** Grades 9 - 12  
**CREDIT:** 5 Credits

### Course Description:

The first year of Spanish provides a solid basis in the four skills of understanding, speaking, reading, and writing in the foreign language. This is accomplished through varied methods including the use of media and visual aids. The goal of Spanish I is to encourage the practice of basic pronunciation in simple conversation that includes idiomatic expression and culture. Students will also be introduced

to the study of cultures and peoples of the Spanish speaking world. As a result, students will have a better understanding of the importance of language in our society.

**COURSE:** 0574  
**SPANISH II**  
**PREREQUISITE:** Spanish I  
**CREDIT:** 5 Credits

**Course Description:**

This course continues the development of skills in speaking and understanding Spanish. Students also gain more experience in reading for comprehension, acquiring vocabulary, and in writing the language. A variety of oral and written drills lead to the preparation of original dialogues and to interactive conversation. The study of culture is an integral part of the course.

**COURSE:** 0575  
**SPANISH III**  
**PREREQUISITE:** Spanish II  
**CREDIT:** 5 Credits

**Course Description:**

Students will attain increasing competence in understanding Spanish when spoken by a native speaker on topics of everyday interest. Students will demonstrate improved skills of understanding, speaking, reading, and writing in the foreign language. Students will develop an enlightened understanding of Spanish-speaking people through a study of their contemporary life, their patterns of behavior and their customs and observances. They also are given the opportunity to develop aesthetic appreciation of the Spanish speaking world. Spanish is the primary language of instruction. In this course, students will complete the basic structures of the language.

**COURSE:** 0560  
**SPANISH 9 HONORS**  
**PREREQUISITE:** Spanish 8  
**CREDIT:** 5 Credits

**Course Description:**

Spanish 9 continues the oral/aural Spanish program begun in the middle school. Emphasis is on all four skills with particular attention to vocabulary building and oral proficiency. Audio-visual materials are also used to enhance the development of vocabulary and spoken language. At this point of study, supplemental material is used to enrich vocabulary and further develop reading. Learning about cultures continues to be an integral and fun part of the curriculum. **This course is conducted primarily in Spanish.**

**COURSE:** 0578  
**SPANISH 10 HONORS**  
**PREREQUISITE:** Spanish 9 HONORS  
**CREDIT:** 5 Credits

**Course Description:**

In Spanish 10, speaking and listening continue to be stressed. At the same time, reading and writing take place at a more advanced level. Structures are further defined and practiced through exercises in the text as well as supplemental materials. By the end of the year, **all** grammatical structures will have been covered. Readings from the textbook, readers, magazines, films, and current events in Spanish expand students' vocabulary and comprehension. Cultural studies and understanding of Spanish-speaking people are integral to the curriculum. **This course is conducted in Spanish.**

## SPANISH ELECTIVE PROGRAM

After students have completed Spanish 10 or Spanish III, they are encouraged to participate in the elective program. To ensure that students elect the most appropriate course, they are encouraged to seek advisement from their teacher.

**COURSE:** 0584  
EL NUEVO MUNDO I  
0585  
EL NUEVO MUNDO II  
(Two year sequence)  
**OPEN TO:** Grades 9 – 12  
**PREREQUISITE:** Students who speak Spanish  
**CREDIT:** 5 Credits each year

### Course Description:

This course is intended for students who already speak Spanish and wish to perfect their knowledge of the language. Emphasis is on standard usage in writing, spelling, and pronunciation. Readings are selected appropriate to the level of the group. The course is taught by a native speaker of Spanish. **NO PRIOR COURSE IN SPANISH IS REQUIRED FOR NATIVE SPEAKERS**, but students should have a strong knowledge of spoken Spanish. Students are urged to consult members of the World Languages Department for guidance in the selection of this course.

**COURSE:** 0577  
ADELANTE  
**PREREQUISITE:** Spanish III or Spanish 10  
**CREDIT:** 5 Credits

### Course Description:

Adelante continues the study of Spanish through a series of units on contemporary life. There is a review of grammar and readings of short selections on a variety of topics with stress on the accumulation of useful vocabulary and interest-centered conversation. Students are assigned projects and will have access to Spanish newspapers and magazines. Several units deal with the culture of Latino groups represented in the United States: e.g., Cubans, Mexicans, and Puerto Ricans. Students will continue to improve their oral proficiency.

**COURSE:** 0583  
EL ALMA DE ESPAÑA Y CONVERSACION Y  
COMPOSICION AVANZADA (HONORS)  
**PREREQUISITE:** Spanish III or Spanish 10  
**CREDIT:** 5 Credits

### Course Description:

The romance, mystery, and soul of the Spanish people are explored through their art, literature, and music. Representative works in these areas from the 11th to the 19th centuries are included to give students a richer understanding and appreciation of Spanish heritage. Guest speakers, museum trips, recordings, and feature length films will be utilized when possible to give the students an enhanced experience of the Spanish language and culture. Particular emphasis is on three great literary works and cultural prototypes: *El Cid*, *Lazarillo de Torme*, and *Don Quixote*.

In the second semester of this course, students immerse themselves in the Spanish language. The course is designed to give students fluency in the use of idiomatic, everyday language and the development of a comprehensive, practical vocabulary through compositions and class discussions. Students discuss topics based on various readings, films, current events, and art works. Intonation

and fluidity are stressed. Since the basic grammatical structures have already been covered in grades 7 through 10, this course will aid students in reviewing and perfecting the mechanics of the language. The course is conducted in Spanish, and students are assigned the writing of essays, compositions, and critiques in Spanish.

**COURSE:** 0593  
**ADVANCED PLACEMENT SPANISH LANGUAGE**  
**PREREQUISITE:** El Alma de España  
**CREDIT:** 5 Credits

**Course Description:**

The AP Spanish Language and Culture is an intensive course designated to prepare students in order to refine, perfect, and enhance their Spanish Language skills. In addition, the course is intended to broaden the students' understanding of Hispanic culture and foster interest to continue the study of Spanish in college. The course main objective is to have students analyze, understand, and expand their knowledge about the structures of the language and the richness of Spanish culture and demonstrate it by using all three modes of communication. Students should be recommended by their Alma de España or Nuevo Mundo II teacher. Students who are not taking these classes could request an entrance test to measure their Spanish language skills in order to register for the class. The AP Spanish course is conducted completely in Spanish. Students are encouraged to take responsibility for all the work given in class and for HW. The class has the rigor of a college class. Students are encouraged to take the AP Exam in May since a grade of 4 or higher will give them college credits as accepted by most colleges and universities. In addition, most colleges and universities require at least one semester of language.

**COURSE:** 0520  
**WORLD LANGUAGE TUTORIAL**  
**OPEN TO:** Grade 12 only  
**PREREQUISITE:** Spanish or French elective  
**CREDIT:** 5 Credits

**Course Description:**

Upon completion of one or more Spanish or French electives, students are eligible to participate in a tutorial program. In this program, students will be assigned to a variety of tasks and will assist a teacher in the World Languages Department. The major goal of the program is to work with peers on an individual or small group basis to facilitate their learning a second language. This course will serve as a practical experience in applying the foreign language. By teaching others, students will improve and solidify their own knowledge base. The teacher to whom the student is assigned will supervise and give a grade of pass or fail. Students must seek out a language teacher to sponsor them. This course is **not** viewed as a fourth year of language study by colleges.

**SUGGESTED SEQUENCE OF WORLD LANGUAGE STUDY**

GRADE	7	8	9	10	11	12
LATIN			LATIN I	LATIN II	LATIN III	LATIN III/IV
FRENCH	FRENCH 7	FRENCH 8	FRENCH 9H	FRENCH 10H	ELECTIVES	ELECTIVES
			FRENCH I	FRENCH II	FRENCH III	ELECTIVES
				FRENCH I	FRENCH II	FRENCH III
				FRENCH I	FRENCH II	
SPANISH	SPANISH 7	SPANISH 8	SPANISH 9H	SPANISH 10H	ELECTIVES	ELECTIVES
			SPANISH I	SPANISH II	SPANISH III	ELECTIVES
				SPANISH I	SPANISH II	SPANISH III
					SPANISH I	SPANISH II
			NUEVO MUNDO I	NUEVO MUNDO II	ELECTIVES	ELECTIVES





## BUSINESS AND INFORMATION TECHNOLOGY

Business and Information Technology are powerful and dynamic forces driving our 21<sup>st</sup> century digital economy. Although, the degree which they will impact, our individual lives vary, all of our lives will be invariably shaped by these ubiquitous forces. The following are a few examples of how Business and Information Technology impact our lives:

- Understanding how products are brought to market, promoted and sold
- Effectively planning and investing for your financial future
- Understanding how sales and products are accounted for across continents
- Learning how to open your own business
- Successfully functioning in the 21<sup>st</sup> century digital economy

The Business Department provides diverse offerings and multiple points of entry for students. To facilitate planning, we have provided some common paths that past business students have followed. For those students considering business as a career path, we offer rigorous honors classes and “mini-concentrations” to pursue that earn special distinction at graduation.

Effective with the 2010-2011 freshman class, incoming students are required to fulfill **new state graduation requirements**. One of these requirements is a **course in Financial Literacy**.

The Business and Information Technology Department has several courses, which meet this new requirement. They are: **Financial Planning and Money Management, Dynamics of Business, Money Power with Technology Applications, College Success Seminar, Introduction to Accounting, Financial Accounting Honors, Managerial Accounting Honors, and Marketplace Investing Honors.**

## BUSINESS COURSE OFFERINGS

Grades 9-11 (except where noted)	Grades 10-12	Grades 11-12	Grade 12
Dynamics of Business (Grades 9-10)	Financial Planning	Marketplace Investing Honors	Business Policy Seminar Honors
Money Power with Technology Applications (Grades 9-10)	Marketing Essentials	Advanced Projects in Marketing Honors	College Success Seminar
Computer Applications	Digital Publishing Design	Small Business Management Honors	Business Experience Internship
Introduction to Accounting	Financial Accounting Honors	Managerial Accounting Honors	

## “MINI-CONCENTRATION” STRANDS

Students who are interested in a “mini-concentration” in Marketing, Accounting, Finance or Small Business Management can consider the following course sequences.

**The sequences listed below are optional.**

Business courses are open to any interested student that meets the grade and/or prerequisite requirements

<b>Marketing</b>	<b>Accounting</b>	<b>Finance</b>	<b>Small Business Management</b>
Dynamics of Business	Introduction to Accounting	Financial Planning	Dynamics of Business
Marketing Essentials	Financial Accounting Honors	Marketplace Investing Honors	Marketing Essentials
Advanced Marketing Honors	Managerial Accounting Honors	Business Policy Honors	Small Business Management Honors

**COURSE:**                **0621**  
**DYNAMICS OF BUSINESS**  
**OPEN TO**               **Grades 9 – 10**  
**CREDIT:**              **5 Credits**

**Course Description:**

This highly motivating introductory business course closely examines business and the economy from a variety of perspectives. The global economy is highly dynamic and will have tremendous impact on the future our students will face. Students in this course will investigate business and economic topics via investigation, simulation, and the actual formation of a business under the sponsorship of the nationally recognized *Junior Achievement Program*.

**COURSE:**                **0648**  
**MONEY POWER WITH TECHNOLOGY**  
**APPLICATIONS**  
**OPEN TO**                **Grades 9 - 10**  
**CREDIT:**              **5 Credits**

**Course Description:**

Students who elect this course will spend one semester learning basic computer skills related to word processing, spreadsheets and presentation software designed to equip the learner with basic technology tools essential to high school success. In the second semester, students will investigate and learn basic business, consumer and financial skills designed to help students become more informed consumers who are better equipped to understand and manage income, credit, risk, debt and insurance. The course will also help students make connections between the economy and government policy as it affects them individually. Throughout the year, students will focus on learning life skill fundamentals of technology and finance. This course will satisfy the state requirement for financial literacy.

**COURSE:** 0605  
**COMPUTER APPLICATIONS**  
**OPEN TO:** Grades 9 – 11  
**CREDIT:** 5 Credits

**Course Description:**

High school and college students benefit by having strong computer applications skills. In this course students use Microsoft Office software to develop their proficiencies in the following areas:

- Basic storage and retrieval of documents
- Proper keyboarding and word processing
- Spreadsheets and other Excel applications
- Creating effective presentations
- Publishing
- Web page design

Emphasis will be placed on skill development, productivity, and formatting applications for use across the high school curriculum.

**COURSE:** 0624  
**INTRODUCTION TO ACCOUNTING**  
**OPEN TO:** Grades 9 – 11  
**PREREQUISITE:** None  
**CREDIT:** 5 Credits

**Course Description:**

This course is designed to introduce students to the basic principles, concepts, and procedures of accounting. An understanding of these topics is essential for any student considering a college business major or seeking business employment upon graduation.

Students will:

- Learn the basic accounting cycle using calculators and provided practice materials.
- Use technology to apply proper accounting procedures in realistic exercises designed to solve simple through complex accounting problems.

Students will develop financial analysis and decision-making skills that will assist them in future business studies.

**COURSE:** 0645  
**FINANCIAL PLANNING AND MONEY MANAGEMENT**  
**OPEN TO:** Grades 10 - 12  
**CREDIT:** 5 Credits

**Course Description:**

This course is designed to provide students with a firm understanding of the concepts and technological procedures necessary to function and thrive financially.

Students will:

Investigate and manage budgets, bank accounts, credit and loan options, real estate, insurance, taxes, major consumer decisions, savings and a variety of investment opportunities as they participate in a year-long simulation.

- Become proficient at assembling information for and filing all federal and state tax forms.
- Use budgeting and software as well as a variety of consumer and investment research tools available on the internet.

This course will provide students with a foundational understanding for making informed, personal financial decisions leading to financial independence.

**COURSE: 0650  
MARKETING ESSENTIALS**  
**OPEN TO: Grades 10 - 12**  
**CREDIT: 5 Credits**

**Course Description:**

Marketing is a vital part of any business. The study of marketing blends psychology, creativity, and business savvy. Have you ever wondered?

- Why and how new products are developed?
- What happens to the data gathered in market research?
- How long does it take for a product/service to get from idea to market?

In this course, students will examine consumer markets, pricing strategies, buyer behavior, the 4 P's of marketing, (Product, Price, Place, Promotion) and product life cycles. They will also learn how marketers research, rationalize, plan, and implement marketing decisions and solutions to achieve their intended business objectives. Case studies, projects, Internet research and career related applications will also be a vital part of this exciting course.

**COURSE: 0625  
DIGITAL PUBLISHING DESIGN**  
**OPEN TO: Grades 10 - 12**  
**CREDIT: 5 Credits**  
**OTHER: Enrolled students may join the production departments of the school newspaper, yearbook, and other school-based publications**

**Course Description:**

Desktop Publishing employs sophisticated software tools to effectively design and create high quality academic and professional documents, brochures, advertisements, newsletters, and other publications. Students will use desktop publishing and graphics software, along with other technology, to gain experience in the creation of professional quality publications that express ideas through design and layout. Students will:

- Recognize and produce effectively designed publications and other documents by understanding the characteristics of the audience, what the copy is meant to convey, and how to deliver the message.
- Study layout, design, and graphic manipulation for use in publications.
- Learn to create, import and utilize graphics, text, and design templates in a sophisticated manner.

During the school year, students may apply their acquired skills as they assist the yearbook, school newspaper, and other school based organizations in the layout and design of their publications.

**COURSE:** 0623  
**FINANCIAL ACCOUNTING HONORS**  
**OPEN TO:** Grades 10 - 12  
**PREREQUISITE:** None  
**CREDIT:** 5 Credits  
**OTHER:** Eligible for 3 college credits

**Course Description:**

This course is an introduction to the theory of financial accounting. Students will be introduced to the accounting cycle of proprietorships. Financial statements will be produced manually and electronically. Course content includes:

- Analyzing and recording transactions
- The adjusting process
- The accounting cycle as a basis for specialized accounting
- Accounting systems
- Accounting for a merchandising business
- Inventories
- Internal controls
- Receivables
- Comparison of depreciation methods
- Current liabilities and payroll

Classroom activities also include problem solving exercises, simulation experiences, and the use of appropriate computer software programs.

**COURSE:** 0641  
**MARKETPLACE INVESTING HONORS**  
**PREREQUISITE:** Successful Completion of Financial Planning and Money Management  
**OPEN TO:** Grades 11 - 12  
**CREDIT:** 5 Credits  
**OTHER:** Eligible for 3 college credits

**Course Description:**

National and global economic forces directly influence the investment world, monetary, fiscal and global policy. Students enrolled in this course will rigorously examine fundamental economics, the interplay of monetary policy, global economic factors and its effect on personal risk management, diverse investment strategies, retirement and estate planning. Additionally, students will manage portfolios and participate in stock simulations. Both the legal and tax implications inherent in investment planning will also be examined.

**COURSE:** 0651  
**ADVANCED PROJECTS IN MARKETING HONORS**  
**OPEN TO:** Grades 11 - 12  
**CREDIT:** 5 Credits  
**PREREQUISITE:** Successful completion of Marketing Essentials  
**OTHER:** Eligible for 3 college credits

**Course Description:**

In this project-oriented course, students will further explore specific marketing topics and draw upon the cumulative marketing knowledge and analytical techniques acquired in Marketing Essentials. Themes that parallel college marketing programs will be discussed such as: advertising theory,

consumer behavior, event marketing, sales concepts and practices, market research strategies, direct mail, international marketing, sports and entertainment marketing, and current and emerging issues in the business world. Numerous case studies and extensive research via print and electronic media will augment this stimulating course.

**COURSE:** 0640  
**SMALL BUSINESS MANAGEMENT HONORS**  
**OPEN TO:** Grades 11 - 12  
**CREDIT:** 5 Credits  
**PREREQUISITE:** A minimum of one previous business class

**Course Description:**

This course is recommended for students seeking realistic opportunities to establish and run a business as entrepreneurs. A college text is used and rigorous reading, research, individual and group projects are assigned on a regular basis.

Student will:

- Create a portfolio based on a business they focus on throughout the school year.
- Prepare a formal business plan based on their portfolio
- Construct a marketing plan
- Investigate topics including: entrepreneurship, finance, marketing, advertising, inventory control, communication and ethical business behavior.

Students will complete this course with an in-depth understanding of the major principles needed to operate a business.

**COURSE:** 0622  
**MANAGERIAL ACCOUNTING HONORS**  
**OPEN TO:** Grades 11 - 12  
**PREREQUISITE:** Successful completion of Financial Accounting Honors or Introduction to Accounting with teacher recommendation  
**CREDIT:** 5 Credits  
**OTHER:** Eligible for 3 college credits



**Course Description:**

This course is an introduction to the theory of managerial accounting. Students will continue with their study of accounting using the foundation they obtained in financial accounting. Accounting for partnerships and corporations will be introduced in this course.

Content includes:

- Accounting for partnerships
- Corporations: organization, stock transactions and dividends
- Long-Term liabilities
- Statement of cash flows
- Financial statement analysis
- Managerial accounting concepts and principles
- Job order costing
- Process cost systems
- Cost behavior and Cost-Volume-Profit Analysis
- Budgeting
- Evaluation using variances

Classroom activities also include problem solving exercises, simulation experiences, and the use of appropriate computer software programs.

**COURSE:** 0660  
**BUSINESS POLICY SEMINAR HONORS**  
**OPEN TO:** Grade 12  
**PREREQUISITE:** Open to students with a minimum of one completed  
Honors business class  
**CREDIT:** 5 Credits

**Course Description:**

This culminating class will focus on careful analysis of business operations. The course will consist of a comprehensive study in specialized areas including: business theories, practices, ethics, organizational behavior, strategic planning, human resources, legalities and fiscal responsibility.

This seminar-based course will enable students to blend their diverse business course backgrounds (accounting, marketing, management) and synthesize each area of business into comprehensive research projects which simulate actual business policy that is utilized by strategic business managers and leaders.

**COURSE:** 0637  
**COLLEGE SUCCESS SEMINAR**  
**OPEN TO:** Grade 12  
**CREDIT:** 5 Credits

**Course Description:**

A college education is one of the greatest expenses you will incur in your lifetime. Students will investigate the following as they create an individualized college portfolio:

- The college application process – including all applicable terminology, research, application, financial aid and scholarship options, living arrangements, and available majors
- Mastery of interpersonal skills
- Organizational strategies – including note taking, time management, and effective study techniques.
- Their personal learning style enabling them to develop strategies for adapting to a variety of instructional modes
- Technical skill enhancement – including document formats, proofreading, word processing and computer management
- Money management – including budgeting, banking and credit

This course seeks to create experiences that help students prepare properly for college and/or living and working independently.

**COURSE:** 0647  
**BUSINESS EXPERIENCE INTERNSHIP (BEI)**  
**OPEN TO:** Grade 12  
**PREREQUISITE:** Students must have previously taken two business courses, have earned 100 credits, and be recommended by a past business teacher  
**CREDIT:** 5 Credits

**Course Description:**

Students accepted in the BEI program work in offices throughout the school. The BEI program simulates the business environment and creates connections with strategies and skills students have learned in their business classes. Students are placed in various sites within the high school and support office staff by performing basic computer-based as well as other organizational tasks. Enrolled students take advantage of the opportunity to deepen their understanding of business etiquette and other interpersonal skills necessary for successful employment.

Enrollment is limited to the number of mentored sites available in the building. Thus, students who are eligible and interested in this must be recommended and interviewed by a business teacher.

## CULINARY ARTS DEPARTMENT

In the Culinary Arts Department, students work to learn and integrate practical knowledge that relates to everyday life, nutrition and food preparation. Hands-on experiences enable our students to learn and share a wide variety of useful skills and knowledge.

Courses taken in this department fulfill the **NJ requirement** of 5 credits in Career Education.

**COURSE:** 0734  
**INTRODUCTION TO CULINARY ARTS**  
**OPEN TO:** Grades 10-12  
**CREDIT:** 5 Credits

**Course Description:**

This introductory course explores food and nutrition. Students develop a scientific and safe consumerism approach to food preparation through meal planning, nutrition, use of equipment, measurements, baking, one-dish meals, and the use of convenience foods. In addition, emphasis is placed on the following:

- Money and time management as related to food
- Measurements and equivalents
- Basic terms and methods of food preparation
- Careers related to foods

This introductory course provides and builds basic culinary skills.





**COURSE:** 0736  
**INTERMEDIATE CULINARY ARTS**  
**OPEN TO:** Grades 11 – 12  
**PREREQUISITE:** Introduction to Culinary Arts with a grade of C or better and teacher recommendation  
**CREDIT:** 5 Credits  
**OTHER:** Eligible for BCC College Credit

**Course Description:**

This course takes the student to a more advanced level of food preparation, quantitative foods, and the use of technology. For example, students will become familiar with:

- A dehydrator for preserving and drying foods
- A pasta machine for creating fresh pasta, bagels, and breadsticks
- A bread machine for preparing a wide variety of breads
- An ice cream maker for making ice cream, frozen yogurt, and gelato
- A yogurt machine for preparing fresh yogurt

This course includes the examination of the proper arrangement of a kitchen, including the selection, care, and cleaning of equipment, research and preparation of regional foods in the U.S. and Canada, and extensive career research.

**COURSE:** 0737  
**ADVANCED CULINARY ARTS**  
**OPEN TO:** Grade 12  
**PREREQUISITE:** Intermediate Culinary Arts with a grade of C or better and teacher recommendation  
**CREDIT:** 5 Credits  
**OTHER:** Eligible for BCC College Credit

**Course Description:**

This course will engage students in an advanced level of food preparation. Students will investigate the food industry, hotel management, quantitative foods, and the vocation of being a chef. During the second half of the year, students work on starting a food business through practice and application.

## **FINE & PERFORMING ARTS**

The Department of Fine and Performing Arts offers a curriculum of both diversity and depth, including courses that correlate and collaborate with co-curricular activities such as marching band, plays, concerts and exhibits. Our discipline-based arts program provides opportunities for diverse students of every interest and every level of proficiency.

**COURSE:** 2610  
**ADVANCED ARTS SEMINAR HONORS**  
**OPEN TO:** Grades 10 - 12  
**CREDIT:** 5 Credits

**Course Description:**

Advanced Arts Seminar is a multi-disciplined course for sophomores, juniors, and seniors, designed to develop the student's knowledge of the broad history of all of the arts. While interacting with the great masters, innovators, rebels and collaborators in all of the fields, the arts student is encouraged

to reflect on their own process, develop their own work, provide inspiration to their fellow students, discuss process and collaborate on projects.

## THE VISUAL ARTS

**COURSE:** 0759  
**ART I (STUDIO ART)**  
**OPEN TO:** Grades 9 - 12  
**CREDIT:** 5 Credits



### Course Description:

This entry level course will develop student's knowledge and understanding of the fundamental elements and principles of art. Students will develop basic drawing skills and learn to utilize visual arts. The course is an active, hands-on class in art making, problem solving, and art principles. Projects assigned may center on topics such as self-portrait, still life, graphic design. Art projects also include examination of movements in art history such as Impressionism, Cubism and Surrealism. Students generate individual projects that demonstrate an understanding of technique, style, and the influences of historical periods. Students also participate in class critiques where they assess and comment on artwork using descriptive vocabulary. There is a mid-term exam and final exam which contains both a vocabulary and artistic component.

**COURSE:** 0764  
**ART II (PORTFOLIO DEVELOPMENT)**  
**OPEN TO:** Grades 10 - 12  
**PREREQUISITE:** Art I  
**CREDIT:** 5 Credits

### Course Description:

This course focuses on students achieving a higher level of artistic skill. Lesson units are designed to advance the development of art-making skills by building upon the content areas covered in Art I. Units are centered on an increased level of difficulty in the areas of drawing, painting, printmaking and ceramics. Students will be required to use a variety of materials, such as: paint (acrylic and watercolor), clay, printmaking, mixed media (collage), pen and ink, graphite, colored pencil, and pastel. Students will also be required to describe, analyze and make judgments about their artwork through the development of their creative problem solving and decision making skills.

**COURSE:** 0765  
**ART III / IV (ADVANCED ART PROJECTS)**  
**OPEN TO:** Grades 11 - 12  
**PREREQUISITE:** Art II  
**CREDIT:** 5 Credits  
**OTHER:** HONORS OPTION

### Course Description:

This course is designed for students to work meaningfully toward mastery in several media. It focuses on the development of an art portfolio for college application. Art assignments are teacher driven although some may be independently developed by a student's individual interest. Student's artwork from this class is showcased throughout the year and represents aesthetic inquiry into the following areas: Figure Drawing, Still Life, Portraiture, Interior/Exterior Spaces, Landscapes, Fantasy/Abstraction.

**Course Description with Honors Option:**

Students taking this course for honors credit are also required to create a series of artworks (of at least five pieces) that all relate to a theme. They must present this body of work to the class during a critique session along with an artist statement about the work.

**COURSE:** 0755  
**DIGITAL ART**  
**OPEN TO:** Grades 9 - 12  
**CREDIT:** 5 Credits

**Course Description:**

This course is an entry level class that allows students to explore the world of digital photography. Students will be learning and applying the elements of art to the digital format. This is an opportunity for students to learn everything from how to operate a digital camera, to using the more complex functions available. In addition, students will learn how to manipulate photos on Photoshop and be trained in the use of the vast applications, functions, and tools of the Adobe suite. To compete with an aggressive digital world, we have outfitted this program with a Macintosh computer lab and Nikon cameras. There will be many photo assignments to complete outside of the classroom, so owning your own camera is a plus.

**COURSE:** 0753  
**AP STUDIO ART - 2D DESIGN**  
**OPEN TO:** Grades 11 - 12  
**PREREQUISITE:** Art III or portfolio review  
**CREDITS:** 5 Credits

**Course Description:**

This college level course is designed for the highly motivated student who is seriously interested in the practical experience of art. The course allows students to earn college credit and/or advanced placement in visual art. Students are required to submit a digital portfolio of up to 24 pieces of art to the College Board for evaluation at the end of the school year. Students will work on their portfolios during the year and will be required to work on pieces at home in addition to their studio work in school. The portfolio should reflect: a) A high quality of art; b) A concentration on an area or topic of interest; c) Breadth of experience in technical and expressive means. Students are encouraged to work in drawing and painting mediums and may combine materials to create mixed media pieces.

## DANCE

**COURSE:** 0779  
**DANCE I**  
**OPEN TO:** Grades 9 - 12  
**CREDITS:** 5 Credits

**Course Description:**

The Dance I course begins the high school dance curriculum. It is a general introduction to high level dance training and technique, including the health and wellness of the dancer. The course introduces students to different genres of dance as well as the dance of different cultures. In addition to exploring the aesthetics and performance of dance, students develop an understanding of the art of choreography by studying works of major artists in the field and by the creation of original dances.

**COURSE:** 0780  
**DANCE II**  
**OPEN TO:** Grades 10 - 12  
(9<sup>th</sup> grade with special proficiency and instructor approval)  
**PREREQUISITE:** Dance I or instructor approval  
**CREDITS:** 5 Credits

**Course Description:**

The Dance II course builds upon the skills and knowledge acquired in Dance I. The focus is on developing mastery in technique and the introduction of higher level technique in modern, ballet and jazz dance. Dance II provides students additional opportunities to explore the aesthetics, performance, history and critique of dance, as well as the creation of original dance.

**COURSE:** 0781  
**DANCE III**  
**OPEN TO:** Grades 11 - 12  
(10<sup>th</sup> with proficiency and instructor approval)  
**PREREQUISITE:** Dance II or instructor approval  
**OTHER:** HONORS OPTION

**Course Description:**

The Dance III course builds upon the skills and knowledge acquired in Dance II. The focus is on continuing to develop mastery in technique and the introduction of higher level technique with an emphasis on modern dance technique. Dance III provides students additional opportunities to explore choreography as well as the aesthetics, history, performance and critique of dance.

**Course Description with Honors Option:**

Students opting for honors credit must display exceptional dance ability and a strong work ethic. In addition to the regular course work honors students will be expected to work beyond the regular classroom requirements. Additionally, each marking period will be spent completing seminar work in the areas of *Choreography, Dance History Research, Diet and Fitness*, as well as teaching. Honors students must also present themselves as students with strong mentoring skills. All Honors students are to maintain a detailed journal of all notes documentation and processes regarding their research, history, choreographic and teaching experiences.

**COURSE:** 0782  
**DANCE IV**  
**OPEN TO:** Grades 11 - 12  
(by teacher recommendation only)  
**PREREQUISITE:** Dance III  
**CREDITS:** 5 Credits  
**OTHER:** HONORS OPTION

**Course Description:**

The Dance IV course builds upon the skills and knowledge acquired in Dance III. Modern dance technique is the emphasis of this course. The focus is on continuing to develop mastery while introducing students to an advanced dance curriculum. Dance IV provides students with opportunities to further explore choreography as well as the aesthetics, history, performance and critique of dance.

**Course Description with Honors Option:**

Students opting for honors credit must display exceptional dance ability and a strong work ethic. In addition to the above regular course work, honors students will be expected to work beyond the regular classroom requirements. Each marking period will be spent completing seminar work in the areas of *Research, Dance History, Anatomy and Teaching*. Honors students must also present

themselves as students with strong mentoring skills. The Dance IV Honors teaching component will be referred to as *Field Work* projects. This component will allow students to assist classes on the middle school level during free periods in their schedule. *Research, Dance History and Anatomy* focus will also be accompanied by a choreographic assignment relating to the assigned topic. All Honors students are to maintain a detailed journal of all notes, documentation and processes regarding their research, history, choreographic and fieldwork experiences.

Note:

All students who take any dance class as physical education must complete the Health and Driver's Education requirements through the regular physical education program.

## INSTRUMENTAL MUSIC

**COURSE:** 0774  
**CONCERT BAND (with Marching Band)**  
**OPEN TO:** All students with prior instrumental training  
**PREREQUISITE:** Formal instrumental lessons in prior years  
**CREDIT:** 7 Credits



### Course Description:

The band program combines responsibilities of both marching and concert band. The marching band rehearses after school during football season. Students hone and enhance individual musicianship through ensemble collaboration and the study and the learning of a repertoire of challenging, high quality music literature. Band members carry an extraordinary responsibility for co-curricular assignments outside the school day, including concerts at school, various community activities and participation in athletic events. Time out of school for practice, rehearsal, and performance is a required component of the course. Additional opportunities for individual members include participation in the pit orchestra for the annual musical and participation in the jazz band. Band members are prepared as well for optional participation in regional and state music organizations.

**COURSE:** 0775  
**STRING ENSEMBLE**  
**OPEN TO:** All students with prior instrumental training  
**PREREQUISITE:** Prior and ongoing string instrument lessons  
**CREDIT:** 5 Credits

### Course Description:

Instruction and rehearsal on the violin, viola, cello and bass is provided in this course. Students engage in ensemble rehearsal and preparation of high quality music literature. Students in this course are expected to rehearse beyond the school day. This includes individual practice, rehearsals for chamber music groups, full orchestra, concert preparation, and rehearsals for the annual spring musical's pit orchestra. Some after school and evening rehearsals are required, especially before concert dates. Students are prepared for optional participation in regional and state music organizations.

**COURSE:** 0776  
**INSTRUMENTAL MUSIC LESSONS**  
**OPEN TO:** Grades 9 - 12  
Required of all students enrolled in Concert Band  
and String Ensemble  
**CREDIT:** 1 Credit

**Course Description:**

All concert band musicians are required to attend a weekly music lesson with an assigned instrumental music instructor. Lessons operate on a pull out rotation basis. These lessons foster individual mastery and insure quality participation at ensemble rehearsals.

## THEATRE ARTS

**COURSE:** 0789  
**THEATRE I**  
**OPEN TO:** Grades 9 - 12  
**CREDITS:** 5 Credits

**Course Description:**

The Theatre I course will introduce students to the broad spectrum of arts involved in theatre. Students will experience theatre through the eyes of the audience, the dramaturg, the playwright, the director, the actor, the reviewer and the designer. Through cooperative efforts they will discover, create, analyze and problem solve to complete common goals. Students will also enhance their powers of observation, perception, imagination, interpretation and communication. Throughout this course students will make discoveries about human values and the relationship of theatre to real life experiences and culture. Students are further encouraged to engage in school productions.

**COURSE:** 0794  
**THEATRE II**  
**OPEN TO:** Grades 10 - 12  
**PREREQUISITE:** Theatre I  
**CREDITS:** 5 Credits

**Course Description:**

The Theatre II course provides students with a thorough grounding in basic acting technique, focusing on "Method" acting as practiced in American theatres today, through the study of the art of acting as defined by Constantan Stanislavski and his protégés. Through this study, students will form a stronger sense of who they are as artists and individuals, and how they interact with the world around them. Students will build on their prior knowledge of theatre through a professional acting studio approach to performance and its related disciplines: theatre history, voice and diction, movement, criticism, analysis, and imagination. In pursuit of an understanding of individual plays and playwrights, and their characters, students will apply themselves to a broad range of intellectual disciplines as addressed in those works.

**COURSE:** 0792  
**THEATRE III**  
**OPEN TO:** Grades 11  
**REREQUISITE:** Theatre II  
**CREDITS:** 5 Credits  
**OTHER:** HONORS OPTION

**Course Description:**

The Theatre III course provides students with an overview of acting styles relative to all of the major theatrical periods from Greeks to modern, including major movements in contemporary theatre. Students will further develop their acting technique, building on their knowledge and skills in “*Method*” acting as practiced in American theatres today. Through this course, students will form a stronger sense of who they are as artists and individuals, and how they interact with the world around them, all within the context of the broader history of theatre and theatrical thought.

**Course Description with Honors Option:**

Students that take the honors option at level III will also be required to do monologue and/or scene study for each of the different periods of theatrical acting styles, as well as researching a practitioner from each period. By the end of the course students will have a portfolio of practitioners and scene/monologues from all of the different theatrical time periods to use for future reference.

**COURSE:** 0793  
**THEATRE IV**  
**OPEN TO:** Grades 12  
**PREREQUISITE:** Theatre III  
**CREDITS:** 5 Credits  
**OTHER:** HONORS OPTION



**Course Description:**

The Theatre IV course provides students with an opportunity at the most advanced levels to prepare an acting portfolio for professional, college, or conservatory auditions, as appropriate to the needs of the individual student. The initial portion of the course develops that portfolio in time for scheduled auditions, followed by an independent study of advanced units of theatrical technique, style, creative development, or history, as appropriate to the interests and needs of the individual student's ultimate development fulfilling their greatest potential. Formalized pursuit of the various disciplines of acting follows an independent study model, including peer instruction, direction, writing, and advanced technique, even for those students anticipating the pursuit of other careers and courses of study.

**Course Description with Honors Option:**

Students taking the honors option at level IV will also experience the rigors of a course that provides them with an opportunity at the most advanced levels to prepare an acting portfolio for professional college, or conservatory auditions. Students will research collegiate and professional theatrical institutions in preparation for the future. Students then conduct multiple studies of advanced units of theatrical technique, style, creative development, history, or theater practitioners. Each of these studies includes a research paper and a performance component as appropriate to the interests and needs of the individual student's ultimate development fulfilling their greatest potential.

**COURSE:** 0778  
**TECHNICAL THEATRE I**  
**OPEN TO:** Grades 9 - 12  
**CREDITS:** 5 Credits

**Course Description:**

This is a project based, reading comprehension course on the elements of scenery, lighting, sound, stage management, costumes/makeup and directors for the Theatre. Stage lighting, sound techniques and equipment are explored. Stage organization and management is utilized in collaborative projects. There are lectures and PowerPoint on various aspects of technical theatre, theatrical history, and its practitioners.

Ultimately, technical theatre students who demonstrate learned proficiency skills are certified by the instructor to operate auditorium equipment for plays, concerts, and events involving agencies who rent the auditorium space. Students can volunteer to work on the tech crew for school productions for extra credit. Projects are 50% of the grade earned in this course with the emphasis on theatrical literacy and terminology.

**COURSE:** 0788  
**TECHNICAL THEATRE II / III / IV**  
**OPEN TO:** Grades 10 - 12 (with instructor approval)  
**PREREQUISITE:** Technical Theatre I  
**Students in this class have a co-curricular responsibility for time beyond the school day.**  
**CREDITS:** 5 credits  
**OTHER:** HONORS OPTION

**Course Description:**

This is a hands-on course in the execution of scenery, lighting, sound, stage management, costumes and makeup for the Theatre. Students study the nature of various kinds of scenic units and the carpentry that is peculiar to the theatre. Scene painting methods and materials are explored and utilized. Stage lighting, sound techniques and equipment are explained, utilized, and understood. Stage organization and management is learned and handled by this class. There is meaningful discussion of careers in theatre and other media who naturally employ theatre trained technicians. Ultimately, technical theatre students who demonstrate learned proficiency skills are certified by the instructor to operate auditorium equipment for plays, concerts, and events involving agencies who rent the auditorium space.

**Course Description with Honors Option:**

In addition to the regular course work, principles of theatrical design will be taught, while students will take on specific design roles in set, lighting, sound, costumes, or properties for the fall and spring productions, as well as class projects in all theatrical production areas. Students are required to work after-school hours on the theatrical productions. Students will also be required to create an end of the year portfolio of designs that can be used for college applications/interviews.



## VOCAL MUSIC

**COURSE:** 0766  
**MIXED CHORUS**  
**OPEN TO:** Grades 9 - 12  
**CREDIT:** 5 Credits

### **Course Description:**

Students in this course engage in an enjoyable, ensemble singing experience while learning valuable vocal technique and choral tone production. Attention is also paid to sight-singing and basic music and music history concepts. A high level of musicianship and music sensitivity is fostered through rehearsal of a varied repertoire of musical and choral styles. Students in this chorus perform for school and community audiences and have the opportunity to participate in county, regional, and statewide music ensembles.

**COURSE:** 0770  
**CONCERT CHOIR**  
**OPEN TO:** Grades 9 - 12 (9th grade with instructor approval)  
Treble voices only (soprano, alto, and male counter tenor)  
**PREREQUISITE:** Audition required  
**CREDIT:** 5 Credits  
**OTHER:** HONORS OPTION

### **Course Description:**

This chorus sings high level accompanied, and a cappella choral selections, appropriate to small ensembles. The course provides in-depth instruction in vocal technique and choral tone production, and advanced lessons in sight-singing and musicianship. A highly varied repertoire of styles and languages is presented. Students perform for adjudicated events as well as for school and community audiences. Students are encouraged to audition for county, regional, and all-state ensembles.

### **Course Description with Honors Option:**

Students taking this course for honors credits will also be required to audition (and participate) in at least one of the following Honors Choirs: Bergen County Chorus, Region I Mixed Chorus or Women's Chorus, All-State Mixed Chorus or All-State Chorus. Honors candidates are required to participate in all special rehearsals and performances. Honors candidates will serve as section leader for specific pieces as assigned by the conductor. Duties as section leader include teaching their part to other students and monitoring their progress in the ensemble. Honors candidates will also be required to prepare additional choral/solo material that they will present to the ensemble. This presentation will be evaluated by their peers and the instructor, and will include a self-reflection component.

**COURSE:** 0772  
**MADRIGAL SINGERS**  
**OPEN TO:** Grades 9 – 12  
Audition required  
**PREREQUISITE:** Mixed Chorus or instructor approval  
**CREDIT:** 5 Credits  
**OTHER:** HONORS OPTION

### **Course Description:**

Students in this course are expected to have developed exceptional ability in tone production, choral technique, and to demonstrate proficiency in sight-singing. An attitude of serious study and exceptional ensemble cooperation is expected of all participants. The class offers advanced study in vocal technique. The ensemble sings a varied a cappella repertoire of choral styles and languages.

The Madrigal Singers participate in many performances for adjudications and festivals as well as school and community audiences. Students are encouraged to audition for county, regional, and all-state ensembles.

**Course Description with Honors Option:**

Students taking this course for honors credits are also required to audition (and participate) in at least one of the following Honors Choirs: Bergen County Chorus, Region I Mixed Chorus or Women's Chorus, All-State Mixed Chorus or All-State Chorus. Honors candidates are required to participate in all special rehearsals and performances. Honors candidates will serve as section leader for specific pieces as assigned by the conductor. Duties as section leader include teaching their part to other students and monitoring their progress in the ensemble. Honors candidates will also be required to prepare additional choral/solo material that they will present to the ensemble. This presentation will be evaluated by their peers and the instructor, and will include a self-reflection component.

**COURSE:** 0769  
**VOICE LESSONS**  
**OPEN TO:** All choral ensemble members are required to participate  
**PREREQUISITE:** Involvement in a regular choral ensemble  
**CREDIT:** 1 Credit

**Course Description:**

These are small group lessons in breathing, tone production, and principles of safe, responsible, and effective singing. Some sectional work for ensembles and individual solo work is attended to as is coaching for county, regional, and All-State auditions. Assistance is also provided for auditioning for college and theatre auditions.

**COURSE:** 0768  
**MUSIC THEORY I/TECHNOLOGY**  
**OPEN TO:** Grades 9 - 12  
**PREREQUISITE:** A basic understanding of musical notation  
**CREDIT:** 5 Credits

**Course Description**

This is an introductory course in music notation, ear-training and composition. This class also serves as the first year of a two-year course of study culminating with the AP Music Theory Exam.

**COURSE:** 0773  
**AP MUSIC THEORY**  
**OPEN TO:** Grades 10 - 12  
**PREREQUISITE:** Music Theory I or instructor approval  
**CREDIT:** 5 Credits

**Course Description:**

This is a college-level course in music theory leading to the successful completion of the Music Theory AP Exam. Passing this exam provides college credit for the student majoring in music at the college or conservatory level. Students continue intensive study in vocabulary, terminology, sight-singing and dictation, notation, harmony, structure, chord theory, music composition, and score analysis. Further work includes practice tests in preparation for the AP exam. Although this is the second year of a two-year cycle beginning with Music Theory I/ Technology, students with previous knowledge of Music Theory may take this course with instructor approval. **THIS CLASS WILL NOT BE OFFERED DURING THE 2016-2017 SCHOOL YEAR. It will next be offered during the 2017-2018 school year.**

## PHYSICAL EDUCATION / HEALTH / DRIVERS EDUCATION THEORY

**COURSE:** 0818, 0828, 0838, 0848  
**PHYSICAL EDUCATION**  
**OPEN TO:** Grades 9 - 12  
**CREDIT:** 3.75 Credits each year  
3 Marking Periods  
**OTHER:** Required of all students, 9th, 10th, 11th and 12th Grade

### Course Description:

Physical education courses are designed to promote physical fitness and skill development in team and individual sports and activities. A broad range of activities are provided to meet students' needs and interests.

**COURSE:** 0817 (9), 0837 (11), 0847 (12), 0857 (PD 0)  
**HEALTH EDUCATION**  
Required course  
**CREDIT:** 1.25 Credits each year  
1 Marking Period each year  
**OTHER:** Required of all students, 9th, 11th and 12th Grade

### Course Description:

The Health Education course is required of all 9th, 11th and 12th grade students as a graduation requirement. The units of study involve investigation of the human being as a social and physical entity with its focus on personal "wellness." Students develop personal knowledge and skills to insure safety consciousness. They learn about current social problems and their relation to healthful living. They develop an understanding of the importance of nutrition to personal well-being; in addition, alcohol, anabolic steroid and other awareness education is provided. Students explore many facets of human sexuality and human behavior and work to develop an understanding of mental health as it relates to the total health of an individual. This program utilizes the newly revised and updated curriculum, specifically written for grades 9, 11 and 12.

**COURSE:** 0827 (10), 0856 (PD 0)  
**DRIVER EDUCATION THEORY**  
Required course  
**CREDIT:** 1.25 Credits  
1 Marking Period  
**OTHER:** Grade 10  
Replaces Health Education in grade 10

### Course Description:

This classroom course in driver theory is **required of all sophomores**. Students acquire knowledge of rules and regulations of the road, legal and moral responsibilities, the functions of automotive mechanisms, and a philosophy which will help them to become better, safer drivers. Special attention will be paid to drug and alcohol abuse as related to teenage drivers, and information on the state's D.U.I. laws will be provided.

COURSE	NEEDED	GRADE 9 COURSE	CR	GRADE 10 COURSE	CR	GRADE 11 COURSE	CR	GRADE 12 COURSE	CR	TOTAL CREDITS EARNED
English	20									
Mathematics	20									
Physical Education Health Driver's Ed	20									
Global History American History I American History II	15									
Science	15									
World Language	5									
Fine Arts	5									
Career Consumer Vocational Technical	5									
Financial Economic Literacy Business	2.5 2.5									
Elective	30									

REQUIREMENT	QUALIFIED	DATE
LANGUAGE ARTS (SEE PAGE XI)		
MATHEMATICS (SEE PAGE XI)		
BIOLOGY (SCORE 200+)		
COMMUNITY SERVICE (60 HOURS)		