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PHYSICAL EDUCATION, HEALTH, DRIVERS EDUCATION THEORY

Physical Education
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THE FOLLOWING BLANK CHART IS INCLUDED FOR YOUR USE:

Charting Graduation Requirements

PLANNING A PROGRAM OF STUDY

The wide variety of offerings presented in this guide should enable each Teaneck High School student to select courses that will be part of a well-balanced educational experience and enable the student to develop some of the understanding, skills, and appreciation necessary for life in the twenty-first century. In the selection of a program, the student should consider the occupational and educational requirements of their post-high school plans. In addition, course experiences should serve as avenues for exploration and development of new interests.

Course selections are a part of a team effort involving the student, family, teacher, and counselor. Courses should be chosen only after careful consideration. The counselor will provide detailed information and individual conferences to discuss academic planning and provide direction for each student.

Students are urged to consider the following questions before they begin the process of course selection:

What are my goals? Goals may change as interests change, but it helps to be working toward a specific end; job, college, or career.

What are my strengths, abilities, and needs?

How do my course selections reflect my abilities, needs and expectations?

What are the requirements for the kind of work or type of college I am considering?

Are the courses I am selecting appropriate for the type of future I am planning?

ACADEMIC CREDIT AND GRADUATION REQUIREMENTS

The minimum number of credits needed for graduation is 140.

Students in grades 9 and 10 shall be required to carry a minimum of 40 credits each year. Students in grades 11 and 12 shall be required to carry a minimum of 35 credits.

Students with physical, emotional, psychological, or learning concerns shall have their programs developed by the school in the best interest of the students served. In every case, however, each will present at graduation all requirements or the equivalent, as approved by the District's Child Study Team.

The credit for physical education will be determined by grades received during the time of active participation.

Students enrolled and successfully completing a full year Satellite program shall be granted 20 credits.

Students transferring from other schools shall have their work accepted in accordance with our transfer policy. Local regulations will apply for the portion of time these students are enrolled in the Teaneck Schools. State requirements for attaining a high school diploma must be completed or individually waived by the administration.

TEANECK HIGH SCHOOL GRADUATION REQUIREMENTS

Credit and Graduation Benchmarks

I. Credits Required For Graduation

To be eligible for graduation and a Teaneck High School diploma, a total of 140 credits are required. Included in the 140 credits are the core courses required by the State of New Jersey.

[Note: A year of study is typically equated to 5 credits in each course]

II. Competencies

As set forth by the New Jersey State Department of Education students must meet the competency requirements in English Language Arts and Mathematics via the Partnership for Assessment of Readiness for College and Careers assessment test (PARCC). For further information please visit <http://www.parcconline.org/>. Graduation requirements in regard to the PARCC exam are outlined below.

III. Carnegie Units

Students who wish to be eligible for college admission are reminded that their schedules for grades 9 through 12 must include a specific number of Carnegie units ranging between 14 and 16, depending on the college. All New Jersey four-year state colleges and universities require a minimum of 16, which include three years of college preparatory mathematics (Rutgers University recommends four years). One Carnegie unit is earned for each year of college preparatory work passed in English, Social Studies, Science, World Language and Mathematics.

IV. Community Service

Students are required to complete a minimum of 60 hours of community service. Community service is a mandatory portion of the graduation requirement that focuses on the development of character, self-esteem, and leadership qualities attained not only through academic achievement, but through a contribution to one's community. Community service will help students develop a sense of social responsibility and give them the opportunity to meet and interact with people of all ages, capabilities and interests.

Students who register late into Teaneck High School will have their community service hours prorated based on time spent at the high school. The total number of hours will be based on the time of year the students arrived.

Teaneck High School's graduation requirements have been constructed with full knowledge of the Core Content Standards of the New Jersey Department of Education.

V. End Of Course Exam

All students in grade 11 will take the New Jersey Student Learning Assessment in Science. The assessment is a computer-based test and is administered in the Spring.

REQUIRED COURSES

140 Credits are required for graduation and are as follows:

Subject	Total Number of Credits Required
English	20
Mathematics	20
Physical Education/Health/Drivers Ed	20
Global History, American History I, American History II	15
Science	15
World Language	5
Visual and Performing Arts	5
21 st Century Life and Careers	5
Financial Literacy	2.5
Electives	32.5
TOTAL REQUIRED CREDITS	140

High School Graduation Assessment Requirements *(Updated January 2017 by the NJDOE)*

On August 3, 2016, the State Board of Education approved updated state regulations for the high school graduation assessment requirements in both English language arts (ELA) and mathematics for the Classes of 2016 through 2021, and beyond. These new state regulations ([N.J.A.C. 6A:8-5.1](#)) became effective on September 6, 2016.

[Click this link](#) to be directed to the list of assessment requirements in both ELA and mathematics for the high school graduation Classes of 2021 to 2022. Classes 2023 and beyond have not yet been determined by the State Board of Education.

Note: Teaneck Public Schools also requires 60 hours of Community Service

INDEPENDENT STUDY

Students wishing to take a course for Independent Study credit must follow the steps listed below in order to complete the application process:

- (1) Discuss your areas of interest with your teacher and outline a proposal;
- (2) Determine whether you wish to spend one, two, three, four or five days per week on independent study;
- (3) After your plan has been devised, secure the approval of your teacher, counselor, administrator and parent and file a copy of the proposal with your counselor and assistant principal for final approval.

The minimum proposal for independent study must include the following:

- (1) Material or topic that is to be studied;
- (2) Resources for study that are going to be utilized;
- (3) The number of hours that the student will meet with the teacher;
- (4) Work that is going to be accomplished during the period of independent study
- (5) Manner by which the student's progress and work are to be evaluated; and
- (6) Number of credits the student is to receive.

COURSES OF STUDY

Teaneck High School has one course of study to prepare all of our students for college. In order to provide a quality educational experience for our students we have developed three curriculum levels within our program. The curriculums are College Preparation, Honors and Advanced Placement which differ in pacing, depth, and level of learning independence on the part of each student. All three levels of courses encompass the New Jersey Core Curriculum Content Standards and lead a student to first year college courses.

COLLEGE PREPARATORY

College Prep courses are designed to instruct in the skills and content that will allow the students to successfully confront challenging work and develop scholarly work habits. Students consistently receiving a C or better in mathematics, English or science will be well positioned to achieve proficiency or advanced proficiency on the PARCC assessments. Over the four year span, these College Prep courses will increase the students' ability to be successful in introductory college work in the specific content areas.

HONORS COURSES

These courses are designed for educationally advanced students. They demand a high degree of motivation and past achievement. These courses, when taken in the appropriate sequence, are preparatory for the Advanced Placement courses. **Students desiring to successfully remain in this sequence should be earning grades of B or better.**

Students electing a course described as honors will have the course designation indicated on their transcripts. See the section entitled Grade Point Average / Class Rank to determine the impact of honors courses on your GPA and class rank.

ADVANCED PLACEMENT COURSES

Advanced Placement courses are approved by the Educational Testing Service (a division of the College Board) to allow students the opportunity to complete college-level studies during secondary school. AP course offerings are for the most educationally advanced students and should be taken only with the recommendation of their current classroom teacher. **Students choosing these courses should be achieving grades of at least an A- or B+ in the Honors sequence.**

MIDDLE COLLEGE PROGRAM

Teaneck High School offers students access to college level courses with a credit option in several subject areas at the high school through Fairleigh Dickinson University and Bergen Community College. Courses in science, computer science, social studies, business, culinary arts and literature are offered on our campus with our teachers, and are the equivalent of first year college courses and earn three college credits. Students must earn a grade of C or higher in order to receive college credit from FDU and BCC. The curriculum, textbooks and teachers have all been approved by FDU and BCC.

This program is offered at a variety of high schools throughout the state and in our area including: Cresskill, Fort Lee, Hackensack, Indian Hills, and Ramapo, as well as a host of other public and private schools.

The college credits earned from the Middle College Program at FDU and BCC have been accepted at a wide variety of public and private colleges. It will be at the discretion of the receiving institution to accept or deny these courses.

Students interested in this option need to select the course, discuss the fees involved with their family and then register with their subject specific teacher. During the fall, interested students and their family are required to fill out an application form, and make out a check payable to: Fairleigh Dickinson University or Bergen Community College. The cost for each class taken for college credit will be determined by the college.

Students may choose from the following list of courses that are offered for college credit:

Advanced Culinary Arts	Financial Accounting Honors
Advanced Placement Statistics	Intermediate Culinary Arts
Advanced Projects in Marketing Honors	Introduction to the Criminal Justice System Honors
American Literature 11 Honors	Managerial Accounting Honors
Computer Science I and II (combined)	Marine Biology Honors
English Composition 101 Honors	Marketplace Investing Honors

PEER LEADERSHIP PROGRAM

Seniors may apply for the Peer Leadership Program and are chosen on the basis of teacher recommendations, interviews and oral presentations. Peer Leadership meets as an academic class and includes a training program that teaches specific human relations and leadership skills for the purpose of promoting respect, understanding and harmony within our multi-ethnic student community.

CENTRAL TECHNICAL EDUCATION CENTER (SATELLITE)

Teaneck High School cooperates with the Bergen County Board of Vocational Education in a technical education program, offered at the campus of the Bergen County Satellite School. The program provides training in vocations such as: Automotive Collision Repair, Automotive Technology, Computer and Business Technology, Culinary Arts, Baking and Food Service, Electrical Design, General Contracting, IT & A+ Certification, Landscaping/Horticulture, Small Animal Care, Skin Care & Esthetics and Visual and Graphic Design.

Students spend half of the school day at the satellite center and the remainder of the day in attendance at Teaneck High School. They receive their academic preparation in Teaneck and attend the satellite campus for a technical education experience. Transportation is provided by the Teaneck Board of Education. Interested students should consult their guidance counselor.

Students may begin the satellite program in 9th, 10th, or 11th grade. First year students are involved in an exploratory course which requires students to participate in six courses from those listed above. Students receive 20 credits from Teaneck High School for their technical training. On the basis of successful achievement and satisfactory attendance, students are invited to specialize or major in a single technical education course for their second, third and fourth years.

SCHEDULE CHANGE POLICY

CHANGE REQUEST	WHEN PERMITTED	APPROVAL REQUIRED	CONDITIONS
A request for change of course selection	Through September 1	<ol style="list-style-type: none"> Schedule Change form signed by parent Processed by Counselor 	Available space in course
To correct any error (includes prior failure with teacher, summer school completion)	Summer or first two (2) weeks of school, not to exceed ten (10) school days	<ol style="list-style-type: none"> Schedule Change form signed by parent Processed by Counselor 	A substitute course must be added as explained under the Drop/Add section for all students in grades 9 through 11.
Withdrawing from a course	<p>Without notation on the transcript: <u>until December 1</u></p> <p>With notation on the transcript from December 1 – February 1</p> <p>When students withdraw from a course their transcript will have one of the following notations depending upon student’s academic status at that time:</p> <p>WP = Withdraw Passing or WF = Withdraw Failing</p>	<ol style="list-style-type: none"> A request must be submitted via the “Schedule Change Request” Google form from the student’s THS email address. Processed by Counselor The School Counselor will contact parent/guardian via phone, or a parent email (listed in Skyward), for a request to be confirmed. 	<p>12th grade students (only) may choose to carry 35 credits if they have sufficient credits to graduate.</p> <p>All other students must carry a full schedule of 40 credits.</p> <p>No changes of schedule will be honored after February 1.</p>
Academic misplacement	Within twenty (20) class meetings.	<ol style="list-style-type: none"> A request must be submitted via the “Schedule Change Request” Google form from the student’s THS email address. Processed by Counselor The School Counselor will contact parent/guardian via phone, or a parent email (listed in Skyward), for a request to be confirmed. 	

Definition of Academic Misplacement

An academic misplacement is rectified by a student moving from one level of a course to another level of the **same course in the same subject**, e.g., Honors Biology to Biology. An academic misplacement is initiated by the teacher, approved by the parent and authorized by the student's guidance counselor. Academic misplacement changes are possible within the following areas that offer different levels of the same subject: English, 9, 10, 11, 12, Global History, U.S. History I, II, Biology, Chemistry, Physics, French, Spanish, Computers and Mathematics. When an academic misplacement change is not possible in the same subject, a drop/add schedule change or an appeal is required.

Drop/Add: Students dropping a class may add a new one under the following circumstances:

- The change must be requested after the first two (2) weeks of school, ten (10) school days. The new course must meet during the same period as the course being dropped.
- The new course must be different from the course being dropped.

A drop/add request to change a teacher is not permitted.

Space must exist in the new class.

All students must maintain a minimum of 40 credits, except for seniors who may opt for 35 credits. No student in grades 9, 10 or 11 will be allowed to drop a course if it results in a credit total below thirty-five (35).

If a student requests a schedule change that is not permitted under the above guidelines, and he/she believes there are special circumstances, he/she may file a Schedule Change Appeal.

The Schedule Change Appeal will be reviewed by the Director of Guidance and an Assistant Principal who to make the final determination.

If a Schedule Change Appeal is granted it is required that all missed work, within the Drop/Add Policy, be completed within 2 weeks of entrance into the new class.

Exceptions: New registrants who may need to have adjustments made in their original schedules.

Withdraw Passing (WP) and Withdraw Failing (WF)

A student may withdraw from a class by accepting a grade of WP or WF. The individual teacher will notify guidance, in writing, of the grade on the appropriate form. The teacher will also indicate the WP or WF during grade reporting at the end of the marking period.

Requests from seniors who are withdrawing from a course will only be considered until February 1. No credits are received when a student drops a course and a student MAY NOT make up a dropped course in a shortened summer school program.

No student in grades 9, 10, or 11 will be allowed to receive a WP/WF in any course.

If a student requests a WP/WF, which is not permitted under the above guidelines, and he/she believes there are special circumstances, he/she may appeal the decision to the Supervisor of School Counseling and the grade-level Assistant Principal.

Schedule Change Appeal Process

If a student's request for a schedule change is not allowed under the above policy and the student believes there are extenuating circumstances to warrant a schedule change, the student may file an appeal.

The student should write an explanation of the desired change; include reason(s) for desired change, the extenuating circumstances that make the change necessary, and why the student feels an exception to the policy should be made.

Submit the appeal to the student's counselor, who in turn will review it with the Director of Guidance first and submit it to the Assistant Principal, with an appropriate recommendation.

If the student's request is approved by the Assistant Principal, the counselor will make the change. If the request is not approved, the student may make an appointment to speak with the Assistant Principal.

If the issue is still unresolved, the student may request that the schedule appeal be referred to the Principal for final decision.

GRADE POINT AVERAGE / CLASS RANK PROCEDURE

Grade Point Average (**GPA**) is computed by multiplying the number of credits for a given course by the point value earned in the course. Class rank is based on grade point average. **Class ranking** is a mathematical summary of a student's academic record as compared with other students in his/her class.

A student's first calculated GPA/class ranking is "unofficial" and calculated at the end of the 5th semester based on the final marks in all subjects in Grades 9 & 10, plus the first semester marks for Grade 11 (at half the credit weight). An official GPA/ranking will be calculated at the conclusion of semesters 6 and 7. The 6th semester GPA/rank is based on the final marks in all subjects taken in Grades 9, 10, and 11 and is printed on transcripts sent to all colleges. The 7th semester GPA/rank is based on the final marks received in all subjects taken in Grades 9, 10, and 11, plus the first semester of Grade 12 (at half the credit weight).

POINT VALUES			
GRADE	REGULAR	HONORS	ADVANCED PLACEMENT
A+	4.2	5.2	5.7
A	4.0	5.0	5.5
A-	3.8	4.8	5.3
B+	3.2	4.2	4.7
B	3.0	4.0	4.5
B-	2.8	3.8	4.3
C+	2.2	3.2	3.7
C	2.0	3.0	3.5
C-	1.8	2.8	3.3
D+	1.2	2.2	2.7
D	1.0	2.0	2.5
D-	0.8	1.8	2.3
E	0.0	0.0	0.0

HONORING PUPIL ACHIEVEMENT

The primary purpose of attending school is academic achievement. The District recognizes student academic excellence and encourages increased effort on the part of all students to reach their maximum potential in a variety of ways. Therefore, an academic achievement award system has been established to:

- ▶ *Promote excellence in scholarship as the primary goal of education*
- ▶ *Encourage all students to maximize their efforts to achieve excellence*
- ▶ *Reward those students who exhibit excellence and strive for higher achievement*

Honor Rolls have been established to recognize those students who achieve above general expectations.

- ▶ *Students must receive a passing grade in all courses during a marking period to be eligible for an honor roll designation for that quarter. Please note: **a grade of “D+ or lower” is not applicable towards any honor roll.***
- ▶ *Students with an incomplete grade will not be on the honor roll until the grade is entered.*

The Principal’s Honor Roll: students who have achieved a weighted GPA of 4.5 or greater during that marking period.

The Gold Honor Roll: students who have achieved a weighted GPA between 4.0-4.49 during that marking period.

The Silver Honor Roll: students who have achieved a weighted GPA between 3.5-3.99 during that marking period.

THE ACADEMIC INSTITUTE OF BUSINESS

The course offerings 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.

Introduction to Business	Introduction to Accounting	Investing (H)
Financial Literacy	Financial Accounting (H)	Small Business Management (H)
Marketing Essentials	Managerial Accounting (H)	Business Policy Seminar (H)
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	Concert Choir (*)
Mixed Chorus	Music Theory I	Music Technology

(*) = 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 the Criminal Justice System (H)	AP Micro/Macro Economics
AP Human Geography		

(*) = 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	AP Computer Science Principles
3D Printing and Modeling (Pending Board Approval)	Arduino Exploration Course (Pending Board Approval)	

(*) = 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 required state assessments and 60 hours of Community Service.

The full range of educational 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 New Jersey State Learning Standards (NJSLS), 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, qualified in the specified content using adaptive techniques and materials. Suggested course offerings currently in place in each of the New Jersey State Learning Standards (NJSLS) Content areas, as per the student Individualized Educational Plan (IEP) are: Instruction in general education with supplementary aids and services, Resource Programs such as In-Class Support and Resource Center/Replacement.



Special Education Students

The New Jersey Administrative Code Title 6A Chapter 14 Regulations mandates that special education students be placed in the least restrictive environment when possible to meet their educational needs. Educational options available to classified students in Teaneck include:

i. General Education:

- Instruction in general education with supplementary aids and services: 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. Resource Programs:

- In-class Support: In-class support 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. The special education student remains in a general education class and a special education teacher provides adaptations and modifications delineated in the student's IEP.
- Resource Center: Academic support services are provided in resource center support classes.
- Replacement: The student attends a special education class for a specified subject taught by a qualified special education teacher.

iii. Special class programs in the Teaneck School District:

- Multiple Disabilities (MD): A self-contained program located at Teaneck High School will educate students with multiple disabilities in grades 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 curricula are aligned to NJSLS and Essential Elements (EE) of the Dynamic Learning Maps (DLM). 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.

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 New Jersey Student Learning 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 sharpen the reading and writing skills that are required at the secondary level. Students receive intensive instruction in order to sharpen proficiency in the areas of reading and writing. Students who did not meet expectations on the NJSLA - ELA 8 will be considered for enrollment in this course to ensure academic success.

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

Course Description:

This course is designed to sharpen the reading and writing skills that are required at the secondary level. Students receive intensive instruction in order to sharpen proficiency in the areas of reading and writing. Students who did not meet expectations on the NJSLA - ELA 9 will be considered for enrollment in this course to ensure academic success.

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

Course Description:

This course is designed to sharpen the reading and writing skills that are required at the secondary level. Students receive intensive instruction in order to sharpen proficiency in the areas of reading and writing. Students who did not meet expectations on the NJSLA - ELA 10 will be considered for enrollment in this course to ensure academic success.



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. The various types of literature include: drama, novels, epics, essays, short stories, and poems. 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

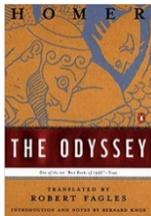
OPEN TO: Grade 9

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 essay, as well as the personal essay. Emphasis is placed on a systematic vocabulary study and on grade-level grammar skills. Titles included in this course are: *I know Why the Caged Bird Sings*, *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. A research paper bringing together techniques for research, parenthetical notations, organization, and composition is required. Students enrolled in this 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*, *How the García Girls Lost Their Accents*, 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

OTHER: 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 encouraged to take the AP English Language Exam in May. The literature in this course may include *The Scarlet Letter*, *Catcher in the Rye*, *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
Grade 11
OPEN TO: Literature and Composition 10 Honors
PREREQUISITE:
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 Catcher in the Rye* and *A Streetcar Named Desire*, among others.

COURSE: 0154
AMERICAN LITERATURE 11
Grade 11
OPEN TO:
CREDIT: 5 Credits

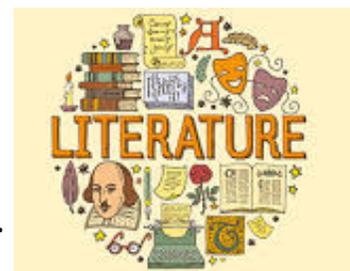
OTHER: **There is a required summer reading assignment due at the first class meeting.**

Course Description:

This course provides a broad diverse 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
Grade 11
OPEN TO:
CREDIT: 5 Credits

OTHER: **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
OTHER:	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.

COURSE:	0169 ENGLISH COMPOSITION 101 HONORS
OPEN TO:	Grade 12
CREDIT:	5 Credits
OTHER:	ELIGIBLE FOR 3 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
OTHER:	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
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OPEN TO: Grade 12
CREDIT: 5 Credits
OTHER: 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*, and other selected short stories, and poetry from around the world.

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

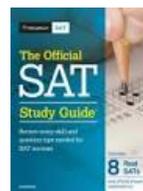


Course Description:

This course elevates and stretches 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. 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: Grade 12
CREDIT: 2.50 Credits

Course Description:

This course is designed to provide graduating seniors with the fundamental skills in English language arts 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. This elective course is only open to sophomores, juniors and seniors.



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 19th 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 20th 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
OTHER: 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.

COURSE: 0190
LITERATURE AND CINEMA HONORS
OPEN TO: Grades 10 - 12
CREDIT: 5 Credits
OTHER: 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. This is an advanced-level course that affords students the opportunity to explore the limits of adapting literature to film. Readings and viewings will take place at an expedited pace. Students who enroll in this course must be self-motivated and able to work through and analyze longer texts.

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 OF ENGLISH COURSES

Grade	Core Course	Core Course	Additional Offerings/Electives
9	Language & Literature 9 (H)	Language & Literature 9	Language Arts Literacy Center 9
10	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
11	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
12	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 (ESL)

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 state assessments. Students will receive instruction in reading-to-learn strategies, critical reading and the writing process. Connections are made to students' lives through text, journals, poetry and independent reading.

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 screening assessment which measures listening, speaking, reading, and writing in order to qualify for ESL services. Students are placed in courses according to English language proficiency.

Course Description:

This is a beginning level course designed to improve the listening, speaking, reading, writing, and viewing skills for English learners. 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 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. 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.



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

Course Description:

United States History II offers students a thorough examination of the development and changing role of the United States from the latter half of the 19th Century through the 20th century. Students investigate both domestic and foreign affairs of our nation, with special emphasis on civil rights and issues, race relations, immigration, settlement of the West, the emergence of the United States as a world power, 20th century conflicts and wars, the Progressive Era, the Great Depression, the New Deal, the quest for equality and human rights, and the range of domestic and global issues that continue to have an impact upon contemporary America. Throughout the course, emphasis is placed upon the role of Anglo-American, African, Asian, European, Latino/Hispanic, and Native American people.

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

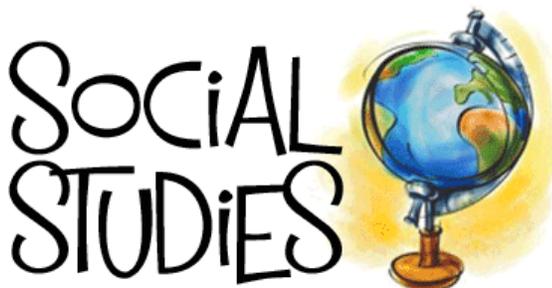
OTHER: AP US History fulfills the second year US History graduation requirement for the State of New Jersey.
Required summer assignment will be due at the first class meeting.



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 21st 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 ELECTIVES

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
- Advanced Placement Economics: *This course satisfies the requirements for 2.5 credits in financial, economic, business, and entrepreneurial literacy*

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
- Social Justice and Human Rights (Formerly – 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: 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 engage 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
SOCIAL JUSTICE AND HUMAN RIGHTS
(FORMERLY - HUMAN RIGHTS: CONFLICTS AND RESOLUTIONS)
OPEN TO: Grades 11 - 12
CREDIT: 5 Credits



Course Description:

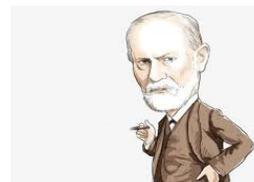
The idea behind social justice is to create fair relationships between different parts of society. Whether that be person-to-person relationships or citizen-to-government relations, there are many privileges granted to some while others are denied similar opportunities. This course seeks to create an understanding and encourage conversation around these issues.

Students will apply their knowledge of justice and human rights 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 - 12
PREREQUISITE: Global History Honors
CREDIT: 5 Credits

Course Description:

AP Human Geography is a college-level course that will introduce students to the interrelationships between people, where they live, and the environment they create. Many human activities force people to look around the world and ask, "Why?" This course provides the foundation needed to gain a better understanding of that question and complex global problems. Numerous global topics are covered and include: gender inequality, cultural studies (ethnicity, language, and religion), migration, population studies, country development, and urban growth and decline. Students will differentiate human activity at various scales, from local to global. Students will also determine the implications of connections between different groups of people.

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. Suggested course sequences are shown at the end of this section.

To meet the State graduation requirement for mathematics all students must meet or exceed expectations (level 4 or 5) on the State mandated New Jersey Student Learning Assessment (NJSLA) Algebra I exam.

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 21st century global economy. The mathematics curriculum consists of courses, units of instruction, and activities designed to address the mathematics needs of all students. The New Jersey Student Learning 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 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

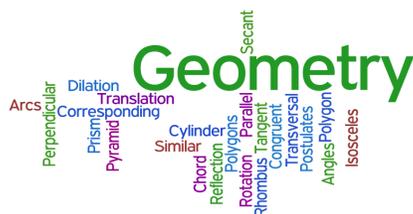
OPEN TO: Grades 10 - 12

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: 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, demonstrated proficiency on State mandated assessments and take 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, demonstrated proficiency on State mandated assessments and teacher recommendation
CREDIT: 5 Credits
OTHER: State graduation requirements mandate all students complete an Algebra I course and a Geometry course.

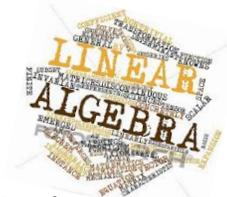
Course Description:

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 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 B- 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 or TEAMS 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 (AMS 9)
OPEN TO: Grade 9
PREREQUISITE: AMS 8 with a final grade of B or better, demonstrated proficiency on State mandated assessments, 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 (AMS 10)
OPEN TO: Grade 10
PREREQUISITE: AMS 9 Honors with a minimum final grade of B 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 (AMS 11)
OPEN TO: Grade 11
PREREQUISITE: AMS 10 Honors or TEAMS Algebra II/Trig Honors with a minimum final grade of B 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: 0306
INTRODUCTION TO STATISTICS AND CALCULUS HONORS
OPEN TO: Grade 12 and Grade 11 students who have successfully completed
Pre-Calculus or Pre-Calculus Honors
PREREQUISITE: Pre-Calculus
CREDIT: 5 Credits

Course Description:

This honors 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. *Students enrolled in this honors course must be self-motivated with well-developed work habits and critical thinking skills.*

COURSE: 0304
FINANCIAL ALGEBRA
OPEN TO: Grade 12
PREREQUISITE: Algebra II
CREDIT: 5 Credits



Course Description:

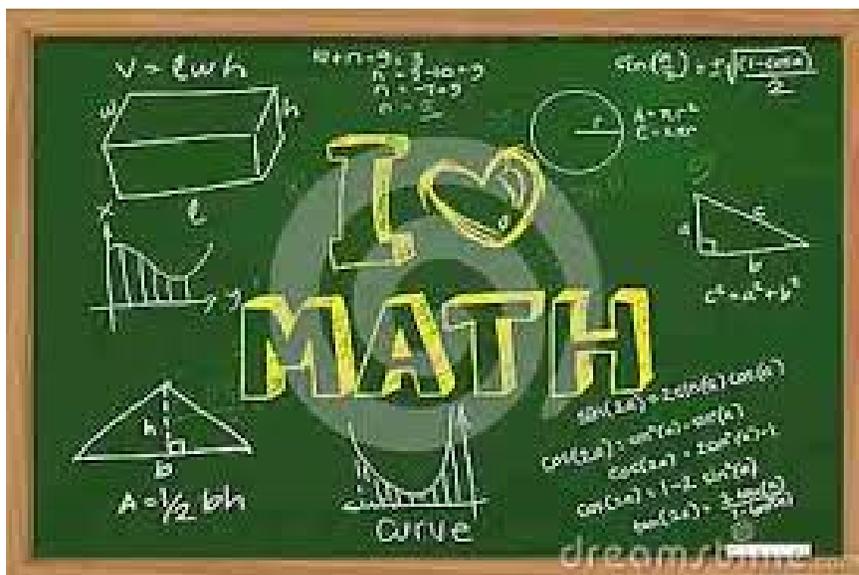
Financial Algebra addresses Advanced Algebra topics with financial applications by applying these mathematical concepts in practical business and personal finance contexts. Financial Algebra presents algebra-rich, applications-oriented, technology dependent topics from Algebra 2, Geometry, Pre-Calculus, and Probability and Statistics by modeling banking, credit, employment, taxes, auto ownership, housing, retirement, investing, budgeting, and more. It is geared particularly for seniors who would rather master and extend skills than choose a more advanced elective.

COURSE: 0305
COLLEGIATE MATHEMATICS
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 providing a college level experience with its methods and applications. The topics covered in this course include set theory, trigonometry, college algebra and geometry, voting, counting, and logic. The course aims to enable students to better meet their potential in their performance on the college placement tests such as those given in the New Jersey State Colleges and the State Universities. Graphing calculators are incorporated. This course is strongly recommended for any student interested in going to college and/or needing a fourth year math course.

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.**

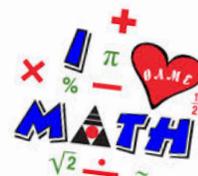


SUGGESTED SEQUENCES OF MATHEMATICS COURSES

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	Algebra II/Trigonometry Honors (also taught in TEAMS)	Geometry Honors	Geometry
Grade 11	AMS 11 Honors	Pre-Calculus Honors	Algebra II/ Trigonometry Honors	Algebra II
Grade 12	AP Calculus BC	AP Calculus AB	Pre-Calculus Honors or Electives	Pre-Calculus or Electives

A final grade of B or higher required to remain in honors progressions.

Electives available for juniors and seniors include:



Electives	Prerequisite
Collegiate Mathematics	Algebra II
Financial Algebra	Algebra II
Introduction to Statistics & Calculus Honors	Pre-Calculus or Pre-Calculus Honors
Pre-Calculus	Algebra II or Algebra II/Trigonometry Honors
Pre-Calculus Honors	Algebra II/Trigonometry Honors
AP Calculus AB	Pre-Calculus Honors
AP Calculus BC	Advanced Mathematics Seminar (AMS) 11
AP Statistics	Pre-Calculus Honors or Algebra II/Trigonometry Honors

One year of the following Computer Science courses can be used to fulfill *ONE YEAR* of the four-year mathematics requirement:

Electives	Prerequisite
Arduino Exploration	No Prerequisite
Computer Science I	No Prerequisite
Computer Science II	Computer Science I
AP Computer Science A	Computer Science II
AP Computer Science Principles	Algebra I

T.E.A.M.S.

TECHNOLOGY-ENRICHED ACADEMY FOR MATHEMATICS AND SCIENCE

T.E.A.M.S. is an innovative program aimed at establishing a smaller learning community to study challenging curricula by exploring mathematics, science and computer science topics using an integrated approach and thereby preparing students for college majors in the areas of science, technology, engineering, and mathematics (STEM).

The Honors curriculum is challenging, rigorous, and with a strong emphasis on technology. In addition to regular course work, students are encouraged to participate in mathematics, science, and computer science competitions and contests. 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 T.E.A.M.S. course for grades 9 and 10 earns five honors credits

Grade 9 Courses

- *Mathematics: Geometry Honors*
- *Science: Biology Honors*
- *Technology: Computer Science I Honors - calculator programming, Java 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 SURVEY HONORS*

Grade 10 Courses

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

Grade 11 Courses

- *Mathematics: a choice of AMS 11 or Pre-calculus Honors*
- *Science: must take Physics Honors in junior year; may also concurrently take AP Biology, AP Chemistry, AP Environmental Science, or Engineering Fundamentals Honors*
- *Technology: a choice of AP Computer Science A (it is recommended to take this course during junior year), AP Computer Science Principles, 3D Printing and Modeling, Arduino Exploration*

Grade 12 Courses

- *Mathematics: a choice of AP Calculus AB, AP Calculus BC, AP Statistics, or Introduction to Statistics & Calculus Honors*
- *Science: a choice of AP Physics, AP Biology, AP Chemistry, AP Environmental Science, or Engineering Fundamentals Honors*
- *Technology: a choice of AP Computer Science Principles, 3D Printing and Modeling, or Arduino Exploration Course*

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.

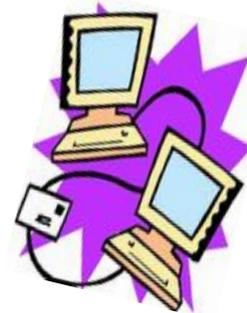
COURSE: 0380
WEBSITE DESIGN
OPEN TO: Grades 9 - 12
CREDIT: 5 Credits



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:

This course will teach students how to create and design digital video games through the *constructor v. 3* 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 **Constructor v. 3** 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 **Constructor 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. The 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

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 \$234, (subject to change), 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

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 \$234 (subject to change), 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 \$234, (subject to change), 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 A

OPEN TO: Grades 11 - 12

PREREQUISITE: Computer Science II Honors

CREDIT: 5 Credits



Course Description:

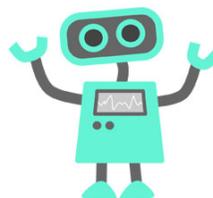
An outstanding way for students to prepare for university studies is to take AP Computer Science A (see apcentral.collegeboard.com). In addition to covering programming methodology with an emphasis on algorithmic development, the AP Computer Science A course, addresses such advanced topics as data structures 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 A 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 A* is an outstanding preparation for any intended college major.

COURSE: 0400
ADVANCED PLACEMENT COMPUTER SCIENCE PRINCIPLES
OPEN TO: Grades 10 - 12
PREREQUISITE: Algebra I
CREDIT: 5 Credits

Course Description:

AP Computer Science Principles introduces students to the central ideas of computer science, instilling the ideas and practices of computational thinking, and inviting students to understand how computing changes the world (see apcentral.collegeboard.org). Students develop innovative computational artifacts using the same creative processes artists, writers, computer scientists, and engineers use to bring ideas to life. This course emphasizes the vital impact advances in computing have on people and society. The curriculum goes beyond the study of machines and systems and gives students the opportunity to investigate computing innovations that span a variety of interests and to examine the ethical implications of these new technologies. Students will also develop effective communication and collaboration skills by working individually and collaboratively to solve problems, and will discuss and write about the impacts these solutions could have on their community, society, and the world. *AP Computer Science Principles* is an outstanding preparation for any intended college major.

COURSE: 0390
ROBOTICS/AUTO CAD
OPEN TO: Grades 10 - 12
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 feed-back 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 students 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: 1300
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 designed to introduce 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.

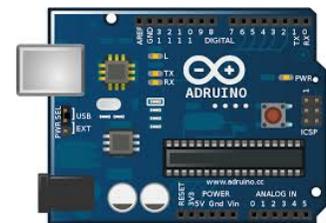
COURSE: 0401
3D PRINTING AND MODELING
OPEN TO: Grade 10-12
CREDIT: 5 Credits



Course Description:

This course provides students with the skills and training in Additive Manufacturing and Filament Deposition Modeling (FDM) through 3D Printing and 3D Modeling. Using the JellyBOX DIY 3D Printer Kit specifically designed for classroom learning, students will assemble the 3D Printer Kit and will be exposed to the intricate details of a modern, fully functioning 3D printer. Moreover, the students will also learn about the firmware that runs FDM 3D Printers as well as the supporting hardware and software that are associated with 3D Printing. Students will also be taught how to use a SLICER software and generate the G-code that will provide the code for FDM 3D printers to run and print the designed model. Students will be introduced to 3D modeling and Design by means of the Autodesk software TinkerCAD and Fusion360. By using Problem Based Learning, students will use the skills learned with the TinkerCAD and Fusion 360 3D modeling software and the 3D Printer to present viable solutions to a variety of problems presented in the class.

COURSE: 0402
ARDUINO EXPLORATION COURSE
3D PRINTING AND
OPEN TO: Grades 10-12
CREDIT: 5 Credits



Course Description:

This course will cover many different aspects of STEM and STEAM, including programming, hardware design, and problem solving. The programming languages that will be used will include Block and C. Students will learn to create and wire circuits on a breadboard implementing LED displays to view output, many different sensors that will be used to explore how computers can connect with the humans and other external stimuli. The engineering process will be implemented to develop solutions and test their ideas. Group work will be harnessed to solve a myriad of different problems. Various electronic components will be introduced via guided lectures and exploration. Next, students will use these ideas to create projects that solve specific problems. Students will learn, explore, create and test their ideas using the Elegoo EL-KIT-001 UNO R3 Project Complete Starter Kit. They will then share these ideas with the class through presentation using their log books. This is a great opportunity for students to learn to solve problems from many different areas of industry including engineering, computer science, environmental studies, and science.

SUGGESTED SEQUENCES OF COMPUTER SCIENCE COURSES

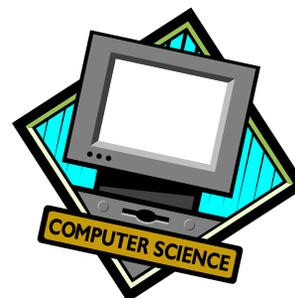
Computer Science choices by grade level (contingent upon meeting prerequisites)

9th	10th	11th	12th
Computer Science I Computer Science I (H)	Computer Science II (H)	AP Computer Science Principles Computer Science A	AP Computer Science AP Computer Science Principles
Arduino Exploration Computer Game Design Computer Game Design (H) 3D Printing & Modeling	Computer Science I Computer Science I (H)	Computer Science II (H)	AP Computer Science A AP Computer Science Principles
	Arduino Exploration Computer Game Design Computer Game Design (H) 3D Printing & Modeling	Computer Science I Computer Science I (H)	Computer Science II (H)
Alternatives: Modeling & Animation Website Design 3D Printing & Modeling Arduino Exploration Computer Game Design Computer Game Design (H)	Alternatives: Modeling & Animation Modeling & Animation II Website Design 3D Printing and Modeling Arduino Exploration Course Computer Game Design Computer Game Design (H)	Alternatives: Computer Game Design Computer Game Design (H) Modeling & Animation Modeling & Animation II Website Design 3D Printing and Modeling Arduino Exploration Course	Alternatives: Computer Game Design Computer Game Design (H) Modeling & Animation Modeling & Animation II Website Design 3D Printing and Modeling Arduino Exploration Course

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 A
- Arduino Exploration



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 State 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 laboratory 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

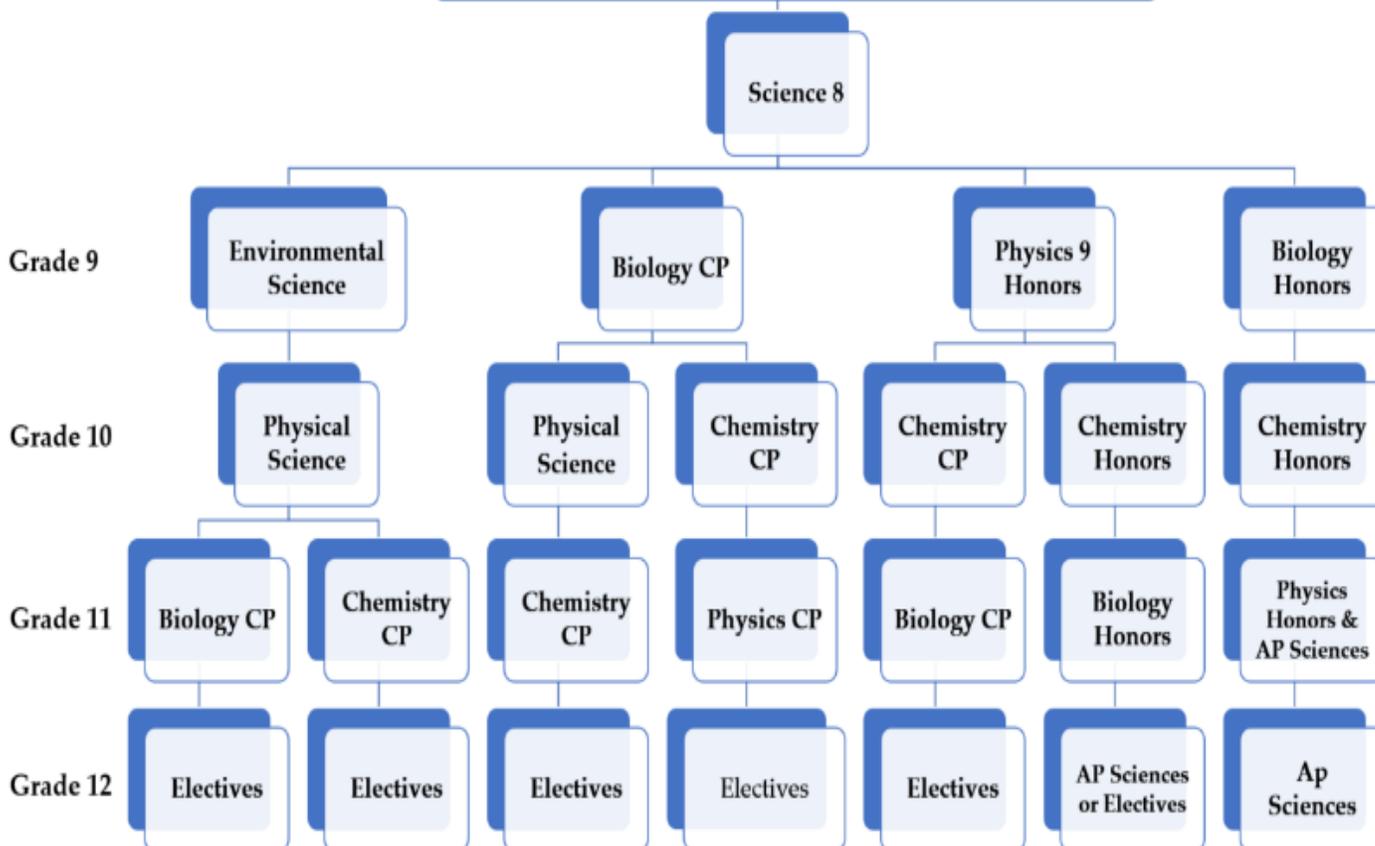
Although a total of the aforementioned three courses meet the graduation requirements, experience has shown that some combinations are of more value to students than others. For example:

- 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. Placement into honors classes is based on math and science pre-requisites.***
- 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.
- Recommended course sequences are shown in the chart on the following page.

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.



Suggested Science Sequences



Science Electives: Environmental Science, Marine Biology (H), Zoology, Anatomy & Physiology, Engineering Fundamentals (H), AP Biology, AP Chemistry, AP Environmental Science & AP Physics C

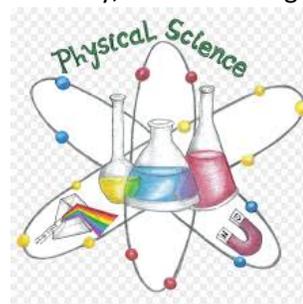
COURSE: 0426
ENVIRONMENTAL SCIENCE
OPEN TO: Grades 11 - 12
PREREQUISITE: Science 8
CREDIT: 5 Credits

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 9-12
PREREQUISITE: Algebra I or Algebra I concurrently and
Teacher recommendation
CREDIT: 5 Credits



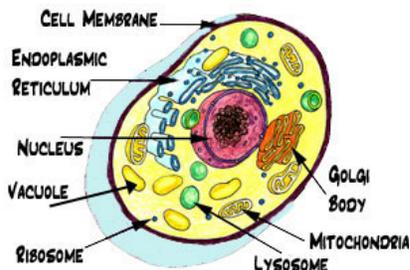
Course Description:

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 CP
OPEN TO: Grades 9 - 11
PREREQUISITE: Science 8
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: Grades 9 - 11
PREREQUISITE: Science 8 with a minimum final grade of A- or above, demonstrated proficiency on State mandated assessments in math and science and teacher recommendation
CREDIT: 5 Credits

Course Description:

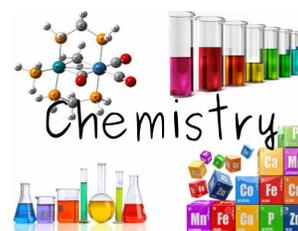
Biology Honors is intended to provide students a broad foundation with respect to the different areas of study contained within the field of biology. This foundation will help them to understand biological concepts that impact everyday life events as well as to pursue more advanced future study in biology 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 21st century.

COURSE: 0434
CHEMISTRY CP
OPEN TO: Grades 10 - 12
PREREQUISITE: Biology CP, Biology Honors, Physics 9 Honors and 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 or Physics 9 Honors
CREDIT: 5 Credits



Course Description:

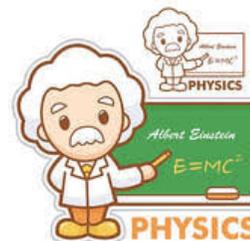
Chemistry Honors covers a broad spectrum of chemistry similar to that of traditional chemistry. Some areas covered are the periodic table, chemical bonding, stoichiometry, chemical kinetics, chemicals equilibrium, acids, bases, electrochemistry, atomic structure and some organic chemistry. In this class, 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: 0445
PHYSICS 9 Honors
OPEN TO: Grade 9
PREREQUISITE: Algebra I or must be taken concurrently with Algebra I Honors, Science 8 with a minimum final grade of B+ or above, demonstrated proficiency on State mandated assessments in math and science, and teacher recommendation
CREDIT: 5 Credits

Course Description:

Physics 9 Honors is an algebra-based, honors level physics course offered to freshman students. Students will develop their understanding of physics in this course by exploring the following topics: kinematics; dynamics; circular motion and gravitation; energy; momentum; simple harmonic motion; torque and rotational motion; electric charge and electric force; DC circuits; and mechanical waves and sound. This course will have an emphasis on inquiry based investigations that will provide students with opportunities to apply the science practices as they deepen their knowledge regarding the fundamental principles of physics.

COURSE: 0444
PHYSICS CP
OPEN TO: Grades 11 - 12
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: Grades 11 - 12
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

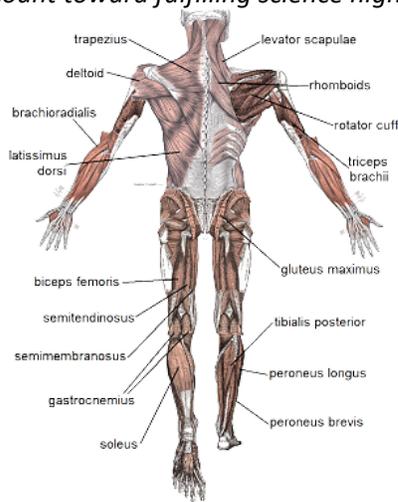
OPEN TO: Grades 11 - 12

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

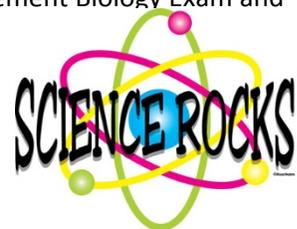
The Advanced Placement (AP) courses are intended for those students with in-depth preparation in science that wish to accelerate their education by completing college level work while still in high school. All of these courses use college texts exclusively.

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 <u>concurrently</u>
REQUIREMENT:	"O" period to fulfill the laboratory requirement
CREDIT:	6 Credits

Course Description:

AP Physics C 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

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 language 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.

The Teaneck Public Schools are proud to have a vast amount of heritage and native Spanish speakers. These are students who learned the language as children, but often haven't taken any formal Spanish classes. The Teaneck Public Schools believes in further elevating academic programs by creating varied learning pathways thus has created a pathway called "Mi Voz" where heritage and native Spanish speakers can develop their literacy skills in Spanish. These classes begin in middle school and continue into high school.

The Teaneck Public Schools is proud to offer the Seal of Biliteracy program. Seniors who are able to speak, read, comprehend and write in a world language may take a proficiency assessment in that language to determine whether they are eligible to graduate with the Seal of Biliteracy. Students must also have demonstrated English proficiency through any of the NJDOE English Language Arts graduation requirements. Students who have passed an AP assessment as a junior and have demonstrated English proficiency will be eligible to graduate with the Seal. The Seal of Biliteracy is recognized by the NJDOE and will be noted on the student's transcript and acknowledged during graduation.



SUGGESTED SEQUENCES OF WORLD LANGUAGE COURSES

Grade	7	8	9	10	11	12
French Honors/AP	French 7	French 8	French 9H Teacher Recommendation	French 10H	Elective or French AP	Elective or French AP
French College Prep			French I	French II	French III	Electives
				French I	French II	French III
					French I	French II
Spanish Honors/AP	Spanish 7	Spanish 8	Spanish 9H Teacher Recommendation	Spanish 10H	Honors Elective or Spanish AP	Honors Elective or Spanish AP
Spanish College Prep			Spanish I	Spanish II	Spanish III	Electives
				Spanish I	Spanish II	Spanish III
					Spanish I	Spanish II
Mi Voz (Heritage and Native Spanish speakers)	Nuevo Destinos 7	Nuevo Destinos 8	Nuevo Mundo I Honors Teacher Recommendation	Nuevo Mundo II Honors	Honors Elective or Spanish AP	Honors Elective or Spanish AP



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 and/or Teacher Recommendation
CREDIT: 5 Credits

Course Description:

French 9 maintains the oral/aural approach to language study begun in 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 ELECTIVES

After students have completed French 10H 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 10H, French III
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 and/or Teacher Recommendation
CREDIT: 5 Credits



Course Description:

Spanish 9 continues the oral/aural Spanish program that began in 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.**



COURSE: 0584
EL NUEVO MUNDO I
0585
EL NUEVO MUNDO II

OPEN TO: Grades 9 - 12

PREREQUISITE: Students who speak Spanish or Nuevo Destinos

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.

SPANISH ELECTIVES

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: 0577
ADELANTE

PREREQUISITE: Spanish III

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 10H

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*.

BUSINESS AND INFORMATION TECHNOLOGY

Business and Information Technology are powerful and dynamic forces driving our 21st 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 21st 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.

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 Literacy, Introduction to Business, College Success Seminar, Introduction to Accounting, Financial Accounting Honors, Managerial Accounting Honors, and Investing Honors**.

BUSINESS COURSE OFFERINGS

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

“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.

Marketing	Accounting	Finance	Small Business Management
Introduction to Business	Introduction to Accounting	Financial Literacy	Introduction to Business
Marketing Essentials	Financial Accounting Honors	Investing Honors	Marketing Essentials
Advanced Marketing Honors	Managerial Accounting Honors	Business Policy Honors	Small Business Management Honors

COURSE: 0621
INTRODUCTION TO 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 research, simulation, and the actual formation of a business under the sponsorship of the nationally recognized Junior Achievement Program.

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 and Google Apps as the basis to develop their proficiencies in the following areas:

- Storage and retrieval of documents on a computer, within a local network and to and from cloud based servers
- Proper usage guidelines and etiquette rules that students and professionals should follow when communicating through email
- Proper keyboarding and word processing using Microsoft Word software, Microsoft Word Online and Google Docs
- Spreadsheets and other Excel applications through the use of Microsoft Excel software, Microsoft Excel Online and Google Sheets

- Creating effective presentations through the use of Microsoft PowerPoint software Microsoft PowerPoint Online and Google Slides
- Publishing

Emphasis will be placed on skill development, productivity, and formatting applications for use across the high school curriculum and adaptability to use fundamentals across various platforms that students may be required to use in the future.

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



Course Description:

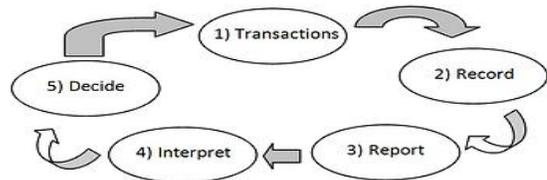
This course is designed to introduce students to the basic principles, concepts, and procedures of accounting. An understanding of these topics is essential for any student considering a college business major or seeking business employment upon graduation.

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 LITERACY
OPEN TO: Grades 9 - 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
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, examine currency trading, 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, social media, 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. Students will make several presentations and sales pitches to various audiences.

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.

Students 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: 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 and placements throughout the school and attend monthly meetings with the course instructor. The BEI program simulates the business environment and creates connections with strategies and skills students have learned in their business classes. Students will enroll in a virtual course that examines areas such as job search practices, soft skills, business etiquette, business communication, networking, and interview simulations. 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.

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 and 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 contain 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
(9th 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
(10th 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.

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 countertenor)
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 Chorus: 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 Chorus: 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. In preparation for county and regional New Jersey All-State Chorus auditions, students may receive coaching for ensembles and solos. Assistance is also provided 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.

THEATRE ARTS

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

Course Description:

This introductory course is intended to provide students with an understanding and appreciation of the artistic elements inherent in the theater. Students will explore in depth theatrical terminology, Improvisation, ensemble building, trust, observation, self-confidence, concentration, imagination and creativity; and how they apply to the actor.

Students will be challenged to develop and apply acting techniques; to understand accepted theater practices (practice, perfect, project) in a disciplined studio setting. Each marking period, students will select and work on theatrical pieces; memorize and critique their work; ultimately performing their theatrical pieces (sometime in front of invited audience for critique).

The Elements of Drama (Aristotle), monologue and scene study, play reading and analyzing, character analyzing, ensemble and group leading exercises and creative reflections/ journal will form the basis of the course.

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



Course Description:

This is a performance-focused class. Acting training is begun by progressive work in monologues, fully realized scene study, writing assignments, in-class workshops, and exercises utilizing various acting techniques. Students will be challenged to discover the basic elements of acting method, while also focusing on a historical survey of acting styles, as well as, advance their own technique, and to understand accepted theatre practice, in a disciplined studio. They will also achieve an understanding of the basics of theatre performance history and literary history by reading, analyzing, and performing various scenes and monologues from theatrical practitioners (Stanislavski, Delsarte, Meisner, Miller, Adler, Williams, Wilson, Smith, etc.)

COURSE: 0792
THEATRE III
OPEN TO: Grades 11
REREQUISITE: Theatre I
CREDITS: 5 Credits

Course Description:

The Theatre III course provides students with an overview of acting styles and theatre literacy 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 which 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.

Students will be required to do monologue and/or scene study for each of the different periods of theatrical acting styles.

COURSE: 0793
THEATRE IV
OPEN TO: Grades 12
PREREQUISITE: Theatre I
CREDITS: 5 Credits



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, including a stretch monologue, period piece(s), and contemporary monologue(s). Theatre IV students will also take an in-depth look into contemporary playwrights and their literary works while continuing to master the craft of performance. Students will also be exploring playwriting, acting for the camera, and an evening of original theatrical pieces that will be written and performed for a final examination grade.

Students will experience the rigors of a course that provides them with an opportunity to further develop their theatrical literacy. Each of these quarterly studies includes a reading and writing component, as well as a performance component.

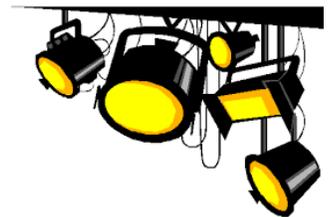
COURSE: 0778
TECHNICAL THEATRE I
OPEN TO: Grades 9 - 12
CREDITS: 5 Credits

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



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

Course Description

Advanced Arts Seminar Honors 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 any of the fields, the arts student is encouraged to reflect on their own process, develop their own work, provide inspiration to their fellow students and discuss process and collaborate on projects.

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.

PHYSICAL EDUCATION / HEALTH / DRIVER'S EDUCATION

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

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

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									
Visual and Performing Arts	5									
21st Century Life and Careers	5									
Financial Literacy	2.5									
Electives	32.5									
TOTAL	140									

REQUIREMENT	QUALIFIED	DATE
LANGUAGE ARTS (SEE PAGE XII)		
MATHEMATICS (SEE PAGE XII)		
COMMUNITY SERVICE (60 HOURS)		