

HAWTHORNE HIGH SCHOOL



PROGRAM OF STUDIES

2021-2022

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PROGRAM OF STUDIES

INTRODUCTION

Program selection is one of the most important decisions that students make as they enter high school. Fortunately, the Hawthorne Public School District employs Guidance Counselors at the high school, middle school and elementary levels. Therefore, during the years preceding high school, middle school and elementary students and their parents have had the benefits of testing, guidance and counseling services. These services, together with the record of their achievements, help students to make wise choices.

The high school guidance department works very closely with the middle school so that entering ninth grade student programs are developed with a comprehensive understanding of individual student needs. Ninth grade students make tentative plans for the full four year high school program, ensuring long range planning. Please note that Hawthorne High School has a wide variety of elective courses. These are not all offered each year, but are rotated each year.

INDIVIDUALIZED CURRICULUM

All student programs are individualized according to personal needs, interests, abilities, and goals. The offerings are not divided into course patterns with rigid requirements, however, counselors work with the students in conjunction with interest inventories to help them choose classes within our Small Learning Community model. The student's schedule is based on a selection of subjects; combined to best educate the individual student in relation to personalized goals, aptitudes, abilities, and interests.

SMALL LEARNING COMMUNITIES

Small Learning Communities (SLCs) are opportunities for students to design an educational program aligned with possible post-secondary college or career interests. Elective course clusters are sequenced for students to follow a career path. Students can select their rigorous required courses and electives to create a "mini-major" or concentration of courses that will be helpful as they pursue post-secondary opportunities. Please note that students may opt to choose a variety of elective courses to explore potential opportunities.

Please note that the SLCs are suggested courses based on career interest. Students are not locked into one pathway and may select any course as long as they have met all requirements and prerequisites.

ABILITY LEVELS

Provisions have been made for the varying levels of student abilities and achievements. Curriculum is individualized to meet the needs of all students. In addition, college prep, honors, and AP course levels are offered.

ADVANCED PLACEMENT COURSES

Advanced Placement (“AP”) courses are offered in Biology, Calculus, Chemistry, English, Environmental Science, Human Geography, Psychology, Computer Science, Italian, Music Theory, Physics, Spanish, Statistics and United States History. These are college level courses. Students are expected to meet college standards, including level of difficulty, rate of progress, and achievement scores. Advanced Placement courses are offered each year, based upon enrollment figures. Summer reading/assignments are required.

Students are encouraged to take the nationally standardized Advanced Placement Test for each level of Advanced Placement courses. Students enrolled in Advanced Placement courses will receive AP weighted grading only if they take the AP Test corresponding with that course in May. We strongly encourage students to avail themselves of this option. Students who elect not to take the AP Test will earn honors weighted credit for the AP course(s) in which they are enrolled.

HONORS COURSES

Honors courses are offered in World History, United States History I and II, Pre-AP United States History; American Studies: 1960's-1990's, Geometry, Algebra II, Pre-Calculus, Calculus, Biology, Chemistry, Physics, Advanced Media Arts, Studio Art, Italian III, Italian IV, Spanish III, Spanish IV and English I, II, III, and IV. Honors courses require additional work and assignments, high quality of student performance, and considerable independent work, including summer reading/assignments. Additional requirements and recommendations are generally required to be placed in an honors level course.

ENGLISH LANGUAGE LEARNERS

The English as a Second Language (“ESL”) program is provided to assist the student in adapting to his/her new culture and to aid the limited English proficient student in acquiring proficiency in the four major areas of language learning: listening, speaking, reading and writing. In addition, the curriculum incorporates the teaching of American culture to explain our traditions and minimize culture shock. It also encourages the discussion and respect of the various cultures of the second language learners.

GRADUATION REQUIREMENTS

The following are the New Jersey State and local high school graduation requirements. All students must meet these requirements in order to receive a Hawthorne High School State Endorsed diploma.

NEW JERSEY REQUIREMENT

Content Area	Credits and additional requirements
English Language Arts	20 credits
Mathematics	15 credits including: <ul style="list-style-type: none"> ● Algebra I ● Geometry ● Third year of math that builds on the concepts and skills of algebra and geometry and prepares students for college and 21st century careers
Science	15 credits with at least 5 credits in each: <ul style="list-style-type: none"> ● Students must complete 15 credits of a lab science courses ● Students must enroll in a Biology, Chemistry and Physics course
Social Studies	15 credits including: <ul style="list-style-type: none"> ● 5 credits in world history ● Integration of civics, economics, geography and global content in all course offerings ● <i>N.J.S.A. 18A:35-1 and 18A:35-2</i>
Financial, Economic Business, and Entrepreneurial Business Literacy	2.5 credits
Health, Safety, and Physical Education	Must be enrolled each year of school: <ul style="list-style-type: none"> ● Minimum 5 credits in health, safety, and physical education during each year of enrollment, distributed as 150 minutes per week each year ● <i>N.J.S.A. 18A:35-5, 18A:35-7 and 18A:35-8</i>
Visual and Performing Arts	5 credits
World Languages	5 credits
Technology	Integrated throughout all courses
21st Century Life and Careers	5 credits

CREDIT HOURS

One hundred forty (140) credits must be completed to graduate. All full year courses carry five (5) credits with the exception of any course with an additional lab period, which will carry six (6) credits. One semester courses carry two and one-half (2.5) credits.

Students who do not satisfactorily complete sufficient courses required per year are expected to make up the needed work in an approved summer school.

INDIVIDUALIZED EDUCATION PLAN REQUIREMENTS

The New Jersey State and local High School Graduation Requirements apply to special education students, with the exception of those requirements, which are specifically exempted within Individualized Education Programs (I.E.P.). Successful fulfillment of the I.E.P. requirements qualify educationally handicapped students for a State endorsed high school diploma.

COLLEGE REQUIREMENTS

College preparatory courses are selected from the academic areas of English, mathematics, science, world languages and social studies. Some colleges may also accept courses from other areas such as art, music and technology. However, the more competitive the college, the stronger the student's academic program must be.

Minimum Program:

English:	4 years	Social Studies:	3 years
Mathematics:	3 years	World Languages:	2 years
Science:	3 years		

Please Note:

1. Additional courses are selected based upon individual student performance.
2. Some colleges require four (4) years of mathematics.
3. Some colleges require more than two (2) years of a world language.
4. Science, engineering and technical schools may want as many mathematics and science courses as possible.

The Guidance Department maintains a library of catalogues from many of the colleges and universities in the United States, which are accessible to students who need information regarding specific entrance requirements. In addition, the department utilizes Naviance, a web based college and career exploration program. Guidance Counselors are familiar with the current college admissions process and are available to meet with students for all educational planning needs. College bound students are encouraged to make college selections as early as possible and to work closely with their Guidance Counselor throughout the college application and admission process.

Exam Recommendations

1. Preliminary Scholastic Assessment Test/National Merit Scholarship Qualifying Test:
Fall of sophomore and junior years.
2. College Boards/Scholastic Assessment Test - spring of junior and fall of senior year.
3. College Boards/SAT II-Subject Tests - spring of junior year, with Guidance Counselor Recommendation; fall and winter of senior year.
4. ACT — Recommendation; prior to the fall of senior year.
5. ASVAB

GUIDANCE SERVICES

The mission of the Hawthorne Guidance Department is to provide a proactive, comprehensive, developmental counseling program addressing the academic, college/career, and personal/social development of all students. School Counselors are advocates who provide support to maximize student potential and academic achievement. School counselors work in partnership with other educators, families, and the community to assist in preparing all students with the knowledge and skills needed to be productive, contributing members of society. More information regarding the Hawthorne High School Guidance Department can be found by visiting our website: [Hawthorne High School Guidance Department Website](#)

In accordance with the New Jersey Bullying Law, Hawthorne High School has an Anti-Bullying Specialist, Mr. Codomo. Mr. Codomo can be reached at JCodomo@hawthorne.k12.nj.us or by phone at 973-423-6415 ext. 2503.

Each student is assigned a school counselor who will remain with that student throughout all four (4) years of high school. The Hawthorne High School Guidance Department maintains an "open door policy," which means that a student may see his or her counselor at any time in an emergency. Students and family members, for all general guidance and counseling needs, must make appointments via the guidance secretary. Guidance appointments are made as follows:

- Students shall come to the Guidance Office either before or after school or at lunch in order to set up an appointment with their counselors. Students may also electronically request to see their counselor utilizing the google form found on the Guidance Department website.
- The Guidance Secretary shall inform the appropriate counselor of the request, and the counselor shall set up a meeting at a time that works best for the student.

School counselors are always accessible to students, parents and families. Appointments may be made by calling the Hawthorne High School Guidance Department at 973-423-6428, from 8:00 a.m. through 3:30 p.m. Guidance services include assistance with personal problems, testing issues, academic concerns, career development and post high school planning.

Social/Emotional Counseling: Helping students cope with their changing physical, social and emotional development is merely one of the services that may be labeled personal counseling. Counseling is a helping relationship and, as such, is a service, which is always available to those students in need of assistance. Counselors will assist students and families with referrals when additional services and supports may be needed.

Academic Concerns: Academic difficulties are assessed and aided through the services of the counselor. Teacher and parental conferences aimed at the analysis of study skills and situational concerns are very important in helping the student work through academic problems. Such conferences are encouraged, and can be initiated by parents, students, teachers, or counselors.

Career Development: The Guidance Department offers services to the student in self-assessment as well as self-awareness, and presents the opportunity for students to investigate materials, which describe the work world in terms of individual student strengths, abilities and interests. These specialized materials, in combination with individual and group counseling sessions, guest speakers, and the utilization of aptitude tests and interest inventories, aid the student in developing realistic career goals.

Post High School Planning: The development of student awareness of the full range of educational opportunities after high school is achieved through individual and group counseling sessions, student and parent orientation meetings, daily announcements, visitations by schools, college and armed services representatives, access to the extensive school and college catalog guidance library, and computer assisted college search programs.

Course Selection

A particularly important part of the student's overall plan for the future is the selection of specific high school courses best suited to meet his or her individual needs and objectives. The wide variety of course offerings presented in this Program of Studies should enable each student to develop many of the understandings, skills and appreciations necessary for the future. In the selection of the high school program, the student should consider the occupational and educational requirements of post high school plans. In addition, course experiences should serve as avenues for exploration and development of new interests. Course selection is a part of a team effort involving teacher, student, parent and counselor. Courses should be selected only after very careful consideration.

Scheduling Procedures

In the high school, course selection is held each year. This process enables students to learn about course offerings in all departments from the staff of each department. Each upperclassman student is scheduled for an individual conference with his or her counselor in order to plan specific schedules for the following school year. Careful consideration is given to high school graduation requirements, post high school plans, and individual interests, abilities and aptitudes. The proposed schedule is sent home for parental input and approval. Upon completion, this schedule becomes the formal program of study for the student.

NCAA (National Collegiate Athletic Association) Initial Clearinghouse Eligibility

Students who plan to attend college and wish to participate in Division I or Division II athletics must be certified by the NCAA Initial Eligibility Clearinghouse. Students can obtain information online at www.eligibilitycenter.org. All registration forms should be filed by the end of the student's junior year. Contact the Athletic Office at 973-423-6431, for additional questions.

SMALL LEARNING COMMUNITIES

Hawthorne High School provides a comprehensive educational program offering a wide variety of learning opportunities for all students. The curriculum is the means to attain the established educational goals of the Hawthorne Public Schools. More specifically, the curriculum is designed to provide students with the knowledge and skills required:

- for success in college/university level studies or in the workplace;
- to meet the challenges of the global economy;
- to become lifelong learners;
- for practicing responsible citizenship and family life; and
- for the successful completion of the NJ State Assessment Program.

Full year and half year courses are offered in different content areas. Some courses are required to meet district and NJDOE mandates while others provide students with electives to fulfill individual interests. Courses are aligned with the NJ Student Learning Standards and incorporate technological components. College bound students are expected to experience college level work by 12th grade, such as: AP courses or dual enrollment. HHS offers dual enrollment courses. Dual enrollment for dual credit stems from agreements between high schools, universities and community colleges whereby a high school student may enroll in a college course and **simultaneously earn college credit and high school credit** for the course.

Small Learning Communities (SLCs) are opportunities for students to design an educational program aligned with possible post-secondary college or career interests. Elective course clusters are sequenced for students to follow a career path. Students can select their rigorous required courses and electives to create a “mini-major” or concentration of courses that will be helpful as they pursue post-secondary opportunities. Please note that students may opt to choose a variety of elective courses to explore potential opportunities.

Strong support networks and personalized attention are general hallmarks of Small Learning Communities. These components of learning are especially important in the secondary years.

Hawthorne High School has created Small Learning Communities in the following areas:

- Business Administration
- C-STEM and Informational Technology
- Communication & The Arts
- Government & Social Sciences

Please note that the Small Learning Community pathways are suggested courses based on career interest. Students are not locked into a SLC and may select any course as long as they have met all requirements and prerequisites.

Business Administration

Career Cluster: Business Administration and Management

Recommended Course Plan	Required Core Business Courses	Business Administration Pathway
<ul style="list-style-type: none"> ● 4 years English Language Arts ● 4 years Social Studies ● 4 years Science ● 4 years Mathematics ● 4 years World Languages ● 4 years Physical & Health Education ● 1 year Visual/Performing Arts ● 1 year Business/Practical Arts ● 1 semester Financial Literacy ● Freshman Advisory <p>Note: The career pathways are suggested courses based on career interest. Students are not locked into one pathway and may select any course as long as they have met all co-requisites and prerequisites.</p>	<ul style="list-style-type: none"> ● Personal Finance (11) 	<p>(9, 10, 11, 12)</p> <ul style="list-style-type: none"> ● Introduction to E-Commerce ● Business and Personal Law ● Elements of Public Speaking and Debate ● Sports and Entertainment Marketing ● Marketing in the 21st Century ● Fashion Merchandising and Design ● Investment Strategies
		<p>(10, 11, 12)</p> <ul style="list-style-type: none"> ● Entrepreneurship ● International Business ● Business Calculus and Statistics
		<p>(11, 12)</p> <ul style="list-style-type: none"> ● AP Statistics ● Social Justice

Occupations Related to this SLC:

Administrative Assistant, Advertising Sales Person, Auditor, Business Consultant, Certified Public Accountant, Corporate Trainer, E-Commerce Analyst, Entrepreneur, Facilities Manager, Finance Director, Human Resources Manager, Investment Executive, Marketing Analyst, Medical Transcriptionist, Office Manager, OSHA/ADA Compliance Officer, Personal Recruiter, Public Relations Manager, Sales Representative, Wholesale and Retail Buyer, Communications Equipment Operator, Computer Operator, Court Reporter, Customer Services Assistant, Data Entry Specialist, Desktop Publisher, Dispatcher, Executive Assistant, Information Assistant, Legal Secretary, Library Assistant and Order Processor, Medical Front Office Assistant, Paralegal, Receptionist, Records Processing Assistant, Shipping and Receiving Clerk, Stenographer, Typist, Word Processor

C-STEM and Informational Technology

Career Cluster: Science, Technology, Engineering Arts, and Mathematics

Recommended Course Plan	Required Core Mathematics and Science Courses	Biotechnology and Health Science Pathway
<ul style="list-style-type: none"> ● 4 years English Language Arts ● 4 years Social Studies ● 4 years Science ● 4 years Mathematics ● 4 years World Languages ● 4 years Physical & Health Education ● 1 year Visual/Performing Arts ● 1 year Business/Practical Arts ● 1 semester Financial Literacy ● Freshman Advisory <p>Note: The career pathways are suggested courses based on career interest. Students are not locked into one pathway and may select any course as long as they have met all co-requisites and prerequisites.</p>	<ul style="list-style-type: none"> ● Biology (9) ● Algebra 1 / Geometry / Algebra 2 	(9, 10, 11) <ul style="list-style-type: none"> ● STEM Design and Process ● Robotics and App Design
	<ul style="list-style-type: none"> ● Chemistry (10) ● Geometry / Algebra 2 / Precalculus 	(10, 11, 12) <ul style="list-style-type: none"> ● Python* ● Cybersecurity ● Introduction to Engineering Design ● Anatomy and Physiology ● AP Computer Science Principles
	<ul style="list-style-type: none"> ● Physics (11) ● Algebra 2 / Precalculus / Honors Calculus 	(11, 12) <ul style="list-style-type: none"> ● Sports Medicine ● AP Biology* / AP Chemistry ● AP / CP Environmental Science* ● AP Psychology ● AP Statistics ● AP Computer Science A*
	<p>* Dual Enrollment</p>	(12) <ul style="list-style-type: none"> ● AP Calculus / AP Physics* ● Forensic Science* / Genetics ● AP Computer Science A* ● STEM Capstone

Occupations Related to this SLC:

Animal Services Technician, Animal services Technologist, Data Entry Clerk, Lab Assistant, Genetics Lab Technician, Maintenance and Instrument Technician, Process Technician, Quality Assurance Technician, Quality Control Technician, Biochemist, Bioinformatics Associate, Bioinformatics Scientist, Bioinformatics Specialist, Biomedical Chemist, Biostatistician, Cell Biologist, Clinical Trials Research associate, Clinical Trials Research Coordinator, Geneticist, Microbiologist, Molecular Biologist, Pharmaceutical Scientist, Regulatory Affairs Specialist, Research Assistant, Research Associate, Research Scientist, Toxicologist, Applied Researcher, Epidemiologist, Ethicist, Healthcare Administrator, Health Educator, Medical Librarian/Cybrarian, Public Health Educator, Risk Manager, Utilization Manager

Communication and The Arts

Career Cluster: Performing and Communication Arts

Recommended Course Plan	Required Core English Courses	Communication and Performing Arts Pathway	
<ul style="list-style-type: none"> ● 4 years English Language Arts ● 4 years Social Studies ● 4 years Science ● 4 years Mathematics ● 4 years World Languages ● 4 years Physical & Health Education ● 1 year Visual/Performing Arts ● 1 year Business/Practical Arts ● 1 semester Financial Literacy ● Freshman Advisory <p>Note: The career pathways are suggested courses based on career interest. Students are not locked into one pathway and may select any course as long as they have met all co-requisites and prerequisites.</p>	<ul style="list-style-type: none"> ● English I (9) 	(9, 10, 11, 12) <ul style="list-style-type: none"> ● Introduction to Art ● Ceramics / Sculpture ● Introduction to Media Arts ● Journalism I ● Public Speaking and Debate ● Broadcasting ● Culinary I ● Study of Film ● Drama 	(9, 10, 11, 12) <ul style="list-style-type: none"> ● Chorus I ● Band / Instrumental Music I ● Marching Band ● Guitar I
	<ul style="list-style-type: none"> ● English II (10) 	(10, 11, 12) <ul style="list-style-type: none"> ● Intermediate Art ● Intermediate Media Arts ● Drama II ● Journalism I ● Journalism II ● Culinary II ● Broadcasting II 	(10, 11, 12) <ul style="list-style-type: none"> ● Chorus II ● Band / Instrumental Music II ● Marching Band ● Guitar II ● Music Theory
	<ul style="list-style-type: none"> ● English III (11) ● AP English Language (11) 	(11, 12) <ul style="list-style-type: none"> ● Journalism III ● Advanced Drawing & Design ● Studio Art Honors ● Computer Technology for Publication ● Advanced Media Arts* 	(11, 12) <ul style="list-style-type: none"> ● Chorus III ● Band / Instrumental Music III ● Marching Band ● Music Theory II
	<ul style="list-style-type: none"> ● English IV (12) ● AP English Literature (12) 	* Dual Enrollment	(12) <ul style="list-style-type: none"> ● Chorus IV ● Band / Instrumental Music IV ● Marching Band ● AP Music Theory

Occupations Related to this SLC:

Actor, Composer, Conductor, Costume Designer, Dancer, Director and Coach, Film/Video Editor, Lighting Designer, Makeup Artist, Music Instructor, Musician, Performer, Performing Arts Educator, Playwright, Production Manager, Scenic Designer, Scenic Painter, Sound Designer, Art Director, Audio-Video Operator, Broadcast Technician, Control Room Technician, Design Director, Editor, Journalist, Light Director, Producer, Publisher, Radio and Television Announcer, Reporter, Researcher, Station Manager, Writer, Audio Systems Technician, Audio-Video Designer and Engineer, Technical Computer Support, Videographer, Special Effects and Animation, Video Systems Technician

Government and Social Sciences

Career Cluster: Government and Social Sciences

Recommended Course Plan	Required Core Social Studies Courses	Government and Social Sciences Pathway
<ul style="list-style-type: none"> ● 4 years English Language Arts ● 4 years Social Studies ● 4 years Science ● 4 years Mathematics ● 4 years World Languages ● 4 years Physical & Health Education ● 1 year Visual/Performing Arts ● 1 year Business/Practical Arts ● 1 semester Financial Literacy ● Freshman Advisory 	<ul style="list-style-type: none"> ● World History (9) 	(9, 10, 11, 12) <ul style="list-style-type: none"> ● Public Speaking and Debate ● Business and Personal Law ● Legal Issues in the 21st Century ● Law: Rights and Responsibilities
	<ul style="list-style-type: none"> ● US History I (10)* ● Pre-AP US I (10)* 	(10, 11, 12) <ul style="list-style-type: none"> ● History of Human Behavior ● Introduction to Careers in Education ● American Studies: 1960s-1990s ● Introduction to Criminal Justice
	<ul style="list-style-type: none"> ● US History II (11)* ● AP US History II (11) 	(11, 12) <ul style="list-style-type: none"> ● AP Human Geography ● AP Psychology ● Social Justice ● Study of Film ● Future Teachers ● Latin American Studies
	<p>Note: The career pathways are suggested courses based on career interest. Students are not locked into one pathway and may select any course as long as they have met all co-requisites and prerequisites.</p>	<p>* Dual Enrollment</p>

Occupations Related to this SLC:

Assistant Deputy or Chief of Staff, Cabinet Level Secretary, Commissioner (County, Parish, City), Commissioner (State Agency), Congressional Aide, Governor Legislative aide, Law Enforcement, Legislative Assistant, Lieutenant Governor, Lobbyist, Mayor Policy Advisor, President Representative (Federal/State), Senator (Federal/State), Specialist Vice President, Lawyer, Educator, Human Relations, Social Worker, Psychologist, Public Relations Manager

CAREER & TECHNICAL EDUCATION

Personal Finance*

<u>Career & Technical Education Courses</u>	
Business and Personal Law*	Broadcasting I & II
Computer Technology for Publication	Entrepreneurship*
Fashion, Merchandising & Design*	Future Teachers*
International Business*	Introduction to Careers in Education*
Introduction to E-Commerce*	Investment Strategies*
Latin American Studies	Marketing in the 21 st Century
Personal Finance*	Sports and Entertainment Marketing*
Structured Learning Experience - SLE	Tomorrow's Teachers
	*half year course

CAREER AND TECHNICAL EDUCATION COURSES

BUSINESS AND PERSONAL LAW HALF YEAR 2.5 CREDITS

The law is a thriving real world enterprise that evolves over time to meet the needs of our diverse population and our changing society. You will find many fascinating features in community involvement, cultural diversity, and international law and the practical issues and circumstances of your daily life. You will also draw a connection between what you learn and other academic disciplines, from business to the humanities and discover features that challenge you to think creatively, critically and to explore new ideas. You will even be questioning the law itself, why it is important, to consider whether it is ethical or practical, and to apply legal principles in a variety of situations, both real and imaginary.

BROADCASTING I FULL YEAR 5 CREDITS

This full year course is an introductory course for all students seeking a strong foundation in all aspects of TV production. Basic training on TV studio and portable video equipment is provided, and students gain an understanding of the production process. Hands-on training is obtained by producing studio projects in class and working as crew members for productions outside of class.

BROADCASTING II FULL YEAR 5 CREDITS **Prerequisite: Broadcasting I**

This is a project based course focusing on the use of current industry software in digital video editing and production. Units will be designed around the creation of projects for students to design, build, create or perform. This full year course is an intermediate course for all students seeking to further strengthen their foundation in all aspects of TV production. In depth training on TV studio and portable video equipment is provided, and students gain an understanding of the production process. Hands-on training is obtained by producing studio projects in class and working as crew members for productions outside of class.

COMPUTER TECHNOLOGY FULL YEAR 5 CREDITS **FOR PUBLICATION**

Students will master a broad range of computer and information literacy skills. Information gathering, information organizing, problem solving, critical thinking skills, and time management are a few of the proficiencies that the students will master. For our students to compete in this global, information based economy, students must be able to identify and solve real problems, use appropriate tools, reason effectively and apply critical thinking skills. Technology is evolving at an amazing rate, with both frequent advancements of existing technology and the creation of new technologies. All students must understand and be comfortable with the concepts and application of technology, not only in order to function in today's complex society, but also to become informed and productive adults tomorrow. The

Marketing is a process, it is ongoing, and it changes. As a marketer, you need to keep up with trends and consumer attitudes. The products, ideas or services you develop and the way you price, promote and distribute them should reflect these trends and attitudes. All marketing careers support this effort. As you study marketing, you will analyze what businesses do to influence consumers' buying decisions.

PERSONAL FINANCE

HALF YEAR

2.5 CREDITS

This business course is designed to assist students in developing a strong foundation for making lifelong financial decisions. Making good financial choices requires integrating different kinds of information of which financial data is only one part. Lifestyle preferences and choices, economic and political trends, principles of budgeting and accounting, legal consequences, and opportunity cost analysis all have a role to play in financial decision making. This course integrates essential disciplines, including economics, accounting, finance, investing, consumer law, tax law and consumer psychology. Critical thinking skills are developed through student identification of relevant variables that access a broad spectrum of information, evaluate conflicting information, weigh the consequences of alternative actions, and arrive at a decision. Students will develop a better understanding of their respective roles as employees, customers, and investors. Simulations use real world scenarios that allow students to apply course content in making decisions related to individual or family finances.

SPORTS AND

HALF YEAR

2.5 CREDITS

ENTERTAINMENT MARKETING

This course provides an overview of the sports and entertainment industries with a concentration on the application of marketing principles and practices relevant to each industry. Students will study the history of, careers in, growth trends, and the management of a variety of hypothetical and real sports organizations and entertainers. Information on featured companies and organizations, as well as their products and services, is included for educational purposes only.

STRUCTURED LEARNING

FULL YEAR

5 CREDITS

EXPERIENCE - SLE

Prerequisite: Junior or Senior

Available to juniors and seniors who complete applications through SLE coordinator. The objective of the Structured Learning Experience Program (S.L.E.) is to prepare participants for successful employment in a chosen field and provide school-to-work transition. The S.L.E. work experience involves students in on-the-job training in skilled trade, technical and service occupations. Students work in part-time employment, under the supervision of the school coordinator, offering a supervised learning situation with a purpose, direction and education that is not obtainable in a formal classroom setting. Students attend school in the morning and work under supervision in the afternoon, with 15 credits awarded to students who successfully

complete this vocational program. Employment begins in September and must continue through June. S.L.E. students are eligible for scholarships and apprenticeships.

TOMORROW'S TEACHERS

HALF YEAR

2.5 CREDITS

Prerequisite: Senior

Available to seniors who complete applications through SLE coordinator. Tomorrow's Teachers is a full year elective designed for senior students who aspire to become teachers. Students will gain an experiential experience in learning, the teaching profession, theories in education and the classroom experience. In addition to the lecture component of the course, students will gain a full year hands-on field and observation experience in the classroom.

ENGLISH LANGUAGE ARTS

<p>9th Grade English I Honors And English Elective</p>	<p>9th Grade English I CP And English Elective</p>
<p>10th Grade English II Honors And English Elective</p>	<p>10th Grade English II CP And English Elective</p>
<p>11th Grade English III Honors Or AP English Language And English Elective</p>	<p>11th Grade English III CP And English Elective</p>
<p>12th Grade English IV Honors Or AP English Literature And English Elective</p>	<p>12th Grade English IV CP And English Elective</p>

English Language Arts Elective Courses

Drama	Elements of Public Speaking and Debate*
Journalism I	Journalism II
Journalism III	Study of Film*
*half year course	

ENGLISH LANGUAGE ARTS COURSES

DRAMA

FULL YEAR

5 CREDITS

Drama is offered to students in grades 9-12, and provides the student with practical experience in the skills of communication (e.g. personal, public, group discussion, debate, interview), public speaking (speech making, meetings, forums, class presentations, sales) and the development, organization, and delivery of varying types of speeches (e.g. informative, persuasive, demonstration, visual aid, impromptu). The course also gives the student exposure and experience in the arts of oral interpretation (poetry, storytelling) and the theater arts (improvisation, role playing, script writing and reading, scene performance, communication/theater games). This course is designed to encourage and help students in their everyday communication skills; to give students tools to overcome fear of public speaking, presentation, and performance; and to expose students to opportunities within theater arts (both locally, NYC, and in our own school) that they may not otherwise have opportunity to experience.

ELEMENTS OF PUBLIC SPEAKING & DEBATE

HALF YEAR

2.5 CREDITS

This course is designed to introduce, to refine, and to practice speaking techniques for use in the business, political, and social worlds. It encourages individuality of expression and organized oral presentation of ideas. A strong written component also exists, in helping students hone their written voice and argumentative skills. Regular preparation of materials and regular oral presentations, along with written pieces, will be required. Tapes, videotapes, self-evaluation, and peer evaluation will assist the student speaker and writer in the attainment of the course objectives.

ENGLISH I CP

FULL YEAR

5 CREDITS

This course includes pieces of poetry, fiction, non-fiction, and drama written mainly by American authors. Each module is designed to teach students both reading comprehension skills as well as different writing skills in order to prepare students for the New Jersey Student Learning Assessment (NJSLA) and the Scholastic Aptitude Test (SAT). This course is also designed to prepare students for college by teaching research skills, oral presentation skills, as well as writing for different purposes and audiences. Vocabulary, media literacy, and cultural awareness literature are incorporated throughout the year to broaden students' learning experience.

ENGLISH I HONORS

FULL YEAR

5 CREDITS

English I Honors prepares students to achieve mastery of skills evaluated on the New Jersey Student Learning Assessment (NJSLA) and the Scholastic Aptitude Test (SAT). This course includes classic, contemporary, and culturally diverse literature. It examines the genres of

fiction, non-fiction, drama, poetry, and short story. It emphasizes the development of proper essay writing for different audiences, vocabulary growth, researching techniques, and public speaking. This honors class requires students to delve deeply into literature on advanced reading levels and to employ critical thinking skills to analyze complex elements of reading and writing. An independent and collaborative work ethic is required.

ENGLISH II CP

FULL YEAR

5 CREDITS

Prerequisite: English I

English II CP provides students with a multicultural approach to the study of various forms of literature while fostering a further understanding of American literature. In this class, there is also an emphasis on grammar, vocabulary, composition, research skills, and concentrated instruction in those skills necessary for achieving a mastery of skills evaluated on the New Jersey Student Learning Assessment (NJSLA) and the Scholastic Aptitude Test (SAT). When conducting research, students are expected to demonstrate knowledge gained through this course and past courses to effectively evaluate, synthesize, and cite, using MLA guidelines to produce an academic research paper. Writing and speaking assignments are based on these studies and on personal preferences in one's own reading.

ENGLISH II HONORS

FULL YEAR

5 CREDITS

Prerequisite: English I

English II Honors provides students with a multicultural approach to the study of various forms of literature while fostering a further understanding of American literature. The focus of English II Honors is upon selected works of American writers, as well as the insightful study of various cultures primarily focusing upon the Puritan culture. There is also an emphasis upon grammar, vocabulary, composition, research skills, literary research/analysis skills, and concentrated instruction in those skills necessary for achieving success on the New Jersey Student Learning Assessment (NJSLA) and Scholastic aptitude Test (SAT). When conducting research, students are expected to demonstrate knowledge gained through this course and past courses to effectively evaluate, synthesize and cite, using MLA guidelines to produce a proper research paper. Writing and speaking assignments are based on these studies and on personal preferences in one's own reading. This honors class requires students to delve deeply into literature on advanced reading levels and to employ critical thinking skills to analyze complex elements of reading and writing. An independent and collaborative work ethic is required.

ENGLISH III CP

FULL YEAR

5 CREDITS

Prerequisite: English II

English III CP prepares students to achieve mastery of skills evaluated on both the standardized New Jersey Student Learning Assessment (NJSLA) and the Scholastic Aptitude Test (SAT). The course includes a survey of classic, contemporary, and diversity literature. It examines the genres of fiction, non-fiction, drama, and poetry. It also emphasizes the development of skills in five (5) paragraph essay writing, vocabulary growth, research, public speaking and media literacy.

ENGLISH III HONORS**FULL YEAR****5 CREDITS****Prerequisite: English II**

English III Honors prepares students to achieve mastery of skills evaluated on both the standardized New Jersey Student Learning Assessment – ELA (NJSLA) and the Scholastic Aptitude Test (SAT). The course includes a survey of English literature including works of Shakespeare, Romantic poets, Victorian Age and 20th Century writers. Students will also study informational writings from U.S. historical texts. The course examines the genres of fiction, non-fiction, drama, and poetry. It also emphasizes the development of writing assignments to sharpen communication skills on several topics for various purposes. A standardized vocabulary list, as well as words in context from the reading material, enhances students' word command and writing skills. Finally, units in scholarly research, public speaking, and media literacy are included. This honors class requires students to delve deeply into literature on advanced reading levels and to employ critical thinking skills to analyze complex elements of reading and writing. An independent and collaborative work ethic is required.

ENGLISH IV CP**FULL YEAR****5 CREDITS****Prerequisite: English III**

In the English IV CP curriculum, students study the origins and elements of drama as well as various works of literature. Students read and analyze short stories, poetry, drama, nonfiction, and novels. Extensive work in critical analysis and other forms of expository writing include a required research paper on a literary topic. Formal vocabulary lessons stressing pronunciation, meaning, spelling, and usage are an integral part of this course. Through these written assignments, the student continues to develop proficiency in paragraphing, structuring sentences, and utilizing mechanics.

ENGLISH IV HONORS**FULL YEAR****5 CREDITS****Prerequisite: English III**

English IV Honors emphasizes the mastery of skills required for successful reading, writing, speaking, and listening on the college level. The course emphasizes a further development and appreciation of literature as a reflection of the human condition, while also exposing students to narrative, expository, analytical, and argumentative writing selections. Through careful analysis of literature, including poetry, short stories, plays, and novels, students come to appreciate structure, style, themes, literary devices, and setting (historical or social context) as used by the writer to impart meaning pertaining to the entire work. Students also analyze nonfiction writing and apply effective strategies to their own writing and speaking. Furthermore, through response logs, timed essays, and student/teacher input regarding individual writing in preparation for revision, students further improve their own narrative, expository, analytical, and argumentative writing skills. Additionally, when conducting research for assigned projects and papers pertaining to works read, students are expected to demonstrate knowledge gained through the course to effectively evaluate, synthesize, and cite, via Modern Language Association (MLA) guidelines, information found in primary and secondary sources including visual media, and

present their findings effectively through both a research paper and an oral presentation based upon their research.

AP ENGLISH LANGUAGE & COMPOSITION **FULL YEAR** **5 CREDITS**

Prerequisite: Junior or Senior

The AP Language and Composition course teaches students to become skilled readers of prose written in a variety of ways by examining a wide range of predominantly non-fiction texts such as speeches, newspaper editorials, and biographies. This course offers rigorous preparation for college level writing and emulates a first year college composition class by preparing students to "write effectively and confidently in their college courses across the curriculum and in their professional and personal lives" (College Board). Students will examine rhetoric while analyzing thesis, occasion or context, tone, and style in order to become more sophisticated consumers of varieties of texts. Students will be expected to articulate their analysis of what they read by learning how to develop and support argumentative writing, develop and synthesize conversations in writing, incorporate effective research skills, and cite information properly using correct format. Students will continue to strengthen vocabulary skills necessary for discerning difficult prose as well as for writing effective college level essays, skills needed for success on the AP Language and Composition exam.

AP ENGLISH LITERATURE **FULL YEAR** **5 CREDITS**

Prerequisite: Junior or Senior

The AP Literature and Composition course is an advanced literature class that will engage students in careful reading and analysis of a challenging set of literary works from a range of genres including the novel, short story, poetry, and drama. The focus of the course will be on intensive reading and discussion of the literature, as well introduce secondary critical essays for discussion and evaluation. Students will participate in active reading while considering the structure, tone, style, symbolism, figurative language, and theme of the given work. Students will be expected to participate in thoughtful discussion in order to provide meaning of texts by introducing different perspectives. Focus of close reading analysis of selected texts of literary merit from varying genres will assist students in preparing to interpret and evaluate literature. Writing assignments will be centered on critical analysis of literature and include argumentative, expository, and expository essays. Writing instruction will be taught with attention to organization, cohesion, precision, and correctness in order to persuade. The purpose of the course is for students to "deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers" (College Board).

JOURNALISM **FULL YEAR** **5 CREDITS**

The Journalism course has been developed based on The New Jersey College and Career Readiness Anchor Standards for Language Arts Literacy. This course helps students realize the impact of print, digital, and spoken news on individuals within their immediate society and within society. Students examine the responsibilities and processes of news reporting, including gathering and organizing information, writing and delivering the news in varied formats

(including print, digital, radio, TV, photojournalism, and desktop publishing), and cooperating in editorial teams to design and produce a digital school newspaper. Students come to realize the heightened role of technology in the process of news reporting. They will also gain an understanding of the importance of journalism to citizens of a democracy, thereby understanding the role of dissemination of information to this form of government.

JOURNALISM II **FULL YEAR** **5 CREDITS**

Prerequisite: Journalism I

The vision of the Journalism II class is to extend the basic lessons of Journalism I for students interested in furthering their research and writing skills in the fields of news reporting for print, internet, radio/TV broadcasting, and photojournalism. These second year students will take on leadership positions as managing editors, web editors, editorial editors, and photo editors in the production of the Hawthorne High School newspaper — The Clarion.

JOURNALISM III **FULL YEAR** **5 CREDITS**

Prerequisite: Journalism II

The Journalism III class will use academic knowledge gained in Journalism I and II to assume leadership roles as managing editors of the school's digital newspaper, The Clarion. Students will manage the publication by exploring and applying the production process of media through an advanced study of media production, marketing, and public relations. Students will also study different aspects of journalism and be assigned independent multimedia and photojournalism projects.

STUDY OF FILM **HALF YEAR** **2.5 CREDITS**

This course will explore some of the major theoretical approaches to the study of film through in depth analysis of particular genres. The course will explore key topics in genre studies such as ideas of popular and cultural value; the ways industrial, social, technological, and aesthetic factors shape the development and reception of a film genre; and the movement of genres across and between different media. The genres to be explored will include: The Action/Adventure Film, Comedy, Crime and Gangster, Drama, Epic/Historical, Horror, Musicals, Science Fiction, War, and Westerns.

Culinary Arts I

Culinary Arts II

FAMILY AND CONSUMER SCIENCE COURSES

CULINARY ARTS I

FULL YEAR

5 CREDITS

Culinary Arts is the act of preparing food for consumption. It encompasses a vast range of methods, tools and combinations of ingredients to improve the flavor and/or digestibility of food. Culinary Arts I will provide and build basic culinary skills. This course will offer an introduction to Culinary Arts principles including food safety and sanitation. Special emphasis will be placed on proper commercial kitchen protocol procedures as well as basic knife skills and an introduction to many kitchen tools, utensils and equipment. Students will be introduced to culinary terminology, techniques and culinary history with a special emphasis on food service operations. The culinary instruction will involve measurement practices and fundamental work in home and commercial kitchens.

CULINARY ARTS II

FULL YEAR

5 CREDITS

Prerequisite: Culinary Arts I

Culinary Arts II will begin to prepare students for working in a career in the restaurant and food service industry. Instruction will continue to emphasize kitchen safety and sanitation practices with special consideration to Hazard Analysis and Critical Control Points [HACCP] in food safety and equipment use. Students will learn advanced knife skills that apply to fruit and vegetable cuts, as well as extend their knowledge in presentation, garnishing and plating. Additionally, students will be able to expand their terminology as related to meat, fish and poultry identification and preparation. By the end of the course, participants will be able to complete an extensive multi-part recipe from preparation to consumption. This course also includes guest speakers from the industry as well as field trips to enhance authentic learning experiences. Students will observe how a commercial kitchen operates, proper table setting, banquet set up and learn how to budget and shop for required ingredients. An exploration of the careers related to the culinary arts is also incorporated throughout the course.

FINE ARTS

Introduction to Art Or Art Elective	Introduction to Media Arts Or Art Elective
Intermediate Art Or Art Electives	Intermediate Media Arts Or Art Electives
Studio Art Honors Or Art Electives	Advanced Media Arts Honors Or Art Electives
Advanced Drawing & Design	Art Electives
Art Electives	Art Electives

Fine & Media Arts Electives	
Broadcasting I & II	Ceramics*
Sculpture*	*half year course

STUDIO ART HONORS**FULL YEAR****5 CREDITS****Prerequisite: Intermediate Art**

This portfolio preparation course challenges students with more advanced projects using the elements of art and design. It emphasizes creative and structured work designed to increase critical thinking and visual observation based drawing skills. Students emphasize the maturity of longer duration studies, which improve hand eye coordination while using black and white and color media. Personal style development is fostered, and students are introduced to more advanced media such as oil painting. Students design an exhibit for the annual art show in May featuring their artwork.

**ADVANCED DRAWING
& DESIGN****FULL YEAR****5 CREDITS****Prerequisites: Intermediate Art**

Advanced Drawing is a course designed to develop students' observational drawing skills and improve accuracy through a variety of studio projects including the still-life, perspective drawing, illustration, portraiture, figure drawing, and landscapes. It builds upon the knowledge and drawing skills learned in both Intro and Intermediate Art. Students will work with various drawing media such as charcoal, pen and ink, and graphite, while focusing on growing their personal style. Students will develop compositional understanding by applying the Elements of Art and Principles of Design to their work. In addition to technical drawing lessons, students will learn and apply the appropriate vocabulary that will assist them in critiques and prepare them for future art courses.

**INTRODUCTION TO
MEDIA ARTS****FULL YEAR****5 CREDITS**

Introduction to Media Arts is designed to help students develop a critical eye for comprehending and using contemporary media. Through individual and cooperative projects, as well as introductory lectures and audiovisual stimuli, students will master the use of equipment and understand the roles and techniques involved in computer graphics, photography, film, and video production. Students will study all aspects of filmmaking from what is on the screen, to what goes on behind the scenes.

INTERMEDIATE MEDIA ARTS**FULL YEAR****5 CREDITS****Prerequisite: Introduction to Media Arts**

Students will use advanced thinking and learned artistic technologies to interpret images and text and convey messages within digital technologies and traditional forms of artistic methods. The course provides in-depth knowledge to the technological and artistic approach within visual arts. Students will learn the key elements of filmmaking from pre to post production. They will analyze the purpose of a shot (photography or videography) as well as suggest its meaning and intended effect. Students will demonstrate advanced computer design application skills and the use of digital tools. Emphasis is on the creative experience, traditional art basics, social disciplines, as well as self-expressive growth. This will be achieved through the development of perceptual awareness, communication skills and sensitivity to visual language and form of

film, broadcasting, video, multimedia, advertising, photography, computer illustration and web design.

**ADVANCED MEDIA ARTS
HONORS**

FULL YEAR

5 CREDITS

Prerequisite: Intermediate Media Arts

This course is an upper level entrepreneurial approach to advanced thinking and digital technologies in Media Arts. Students will examine video and photography production at an advanced level, understanding how to approach real world concepts through the production of design and media, supporting marketing initiatives for school wide and community needs. The course includes the advanced use of Adobe Illustrator and Photoshop, as well as Canon large format plotter for professional needs.

SCULPTURE

HALF YEAR

2.5 CREDITS

Sculpture is an in depth course that explores the concepts of space, form, and function and their influence on all of us. The course incorporates exploration of three dimensional design using a variety of materials such as wood, plaster, clay, wax, cardboard, and plastic, in conjunction with the additive/subtractive and casting sculpture processes.

MATHEMATICS

8 th Grade Algebra 1	
9 th Grade Geometry Honors	9 th Grade Geometry CP
10 th Grade Algebra II Honors	10 th Grade Algebra II CP
11 th Grade Precalculus Honors AND AP Statistics	11 th Grade Precalculus CP
12 th Grade Calculus Honors, AP Calculus, AP Statistics, Math Elective	12 th Grade Descriptive Statistics & Trigonometry OR Business Calculus & Statistics

8 th Grade Pre-Algebra	
9 th Grade Algebra 1 CP	
10 th Grade Geometry CP	
11 th Grade Algebra II CP	11 th Grade Concepts of Mathematics
12 th Grade Precalculus OR Descriptive Statistics & Trigonometry	12 th Grade Descriptive Statistic & Trigonometry

Mathematics Elective Courses

Business Calculus & Statistics	AP Calculus
Calculus Honors	AP Computer Science A
AP Computer Science Principles	Cybersecurity
Descriptive Statistics & Trigonometry	Precalculus CP/Honors
Python	Robotics and App Design
AP Statistics	

MATHEMATICS COURSES

ALGEBRA I CP

FULL YEAR

5 CREDITS

Algebra I CP is the study of patterns and functions including a number of discrete skills and concepts, each related to broader mathematical principles. Algebra provides language through which we describe and communicate mathematical patterns that arise in both mathematical and non-mathematical situations. Algebra I is designed as the initial exposure to high school mathematics. Algebra I builds a strong conceptual foundation for students as they continue the study of mathematics. Algebra I includes content needed to promote a deep understanding of algebraic concepts that builds as students' progress through higher levels of mathematics. Students studying Algebra I should have regular opportunities to use appropriate tools and technology to assist in illustrating the connection between Algebra and other areas of mathematics, and to demonstrate the power of Algebra. However, calculators will not be permitted for all lessons and assignments.

GEOMETRY CP

FULL YEAR

5 CREDITS

Prerequisite: Algebra I

This Geometry course is designed to connect the physical and visual world in a clear, logical framework with the Algebra the students have already learned. It is designed to prepare students to use mathematics effectively in today's world, and to promote independent thinking and learning. The use of technology is integrated throughout the course. This course is designed to provide the concepts needed for everyday life as well as success on the New Jersey Student Learning Assessment – Math (NJSLA-MATH).

GEOMETRY HONORS

FULL YEAR

5 CREDITS

Prerequisite: Algebra I

This Geometry course is designed to connect the physical and visual world in a clear, logical framework with the Algebra the students have already learned. It is designed to prepare students to use mathematics effectively in today's world and to promote independent thinking and learning. Students will be challenged to solve problems that require multi-step thinking and logical reasoning. Students will explore key geometry concepts via a wide variety of manipulatives and learn applications to the real world. Geometry Honors covers concepts in greater depth and detail than in Geometry CP. It is a fast paced course designed for students with higher mathematical aptitude, as well as the ability and desire to keep up with the pace and challenges of the course.

ALGEBRA II CP

FULL YEAR

5 CREDITS

Prerequisite: Algebra I and Geometry

The algebraic skills of Algebra I CP and Geometry CP are reinforced and continued in this second course of Algebra. It provides students with the fundamentals of Algebra and coordinate Geometry to the point at which the student is prepared for introductory college math courses.

ALGEBRA II HONORS**FULL YEAR****5 CREDITS****Prerequisite: Algebra I and Geometry**

The algebraic skills of Algebra I CP and Geometry CP are reinforced and continued in this second course of Algebra. It provides students with the fundamentals of Algebra and coordinate Geometry to the point at which the student is prepared for introductory college math courses. Algebra II Honors covers concepts in greater depth and detail than in Algebra II CP. It is a fast paced course designed for students with higher mathematical aptitude, as well as the ability and desire to keep up with the pace and challenges of the course.

PRECALCULUS CP**FULL YEAR****5 CREDITS****Prerequisite: Algebra II**

The course combines appropriate use of technology with the standard "paper and pencil" analytic techniques to provide a balanced approach to the study and implementation of Pre-Calculus. The course encourages graphical, numerical, and algebraic modeling of functions as well as problem solving, conceptual understanding, and facility with technology. Students will be prepared to apply mathematics in other fields of study and/or prepare them for the study of Calculus. Students should have an 80 or above in Algebra 2 CP.

PRECALCULUS HONORS**FULL YEAR****5 CREDITS****Prerequisite: Algebra II**

The course combines appropriate use of technology with the standard "paper and pencil" analytic techniques to provide a balanced approach to the study and implementation of Precalculus at a more rigorous and in depth pace. The course encourages graphical, numerical, and algebraic modeling of functions as well as problem solving, conceptual understanding, and facility with technology. Students will be prepared to apply mathematics in other fields of study and/or prepare them for the study of calculus.

AP STATISTICS**FULL YEAR****5 CREDITS****Prerequisite: Pre-Calculus**

The purpose of the AP course in Statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes:

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

Course topics follow the set AP curriculum as established by the College Board. Students who successfully complete the course and examination may receive credit, advanced placement, or both for a one semester introductory college statistics course.

BUSINESS CALCULUS & STATISTICS **FULL YEAR** **5 CREDITS**

Prerequisite: Pre-Calculus

This course is designed for students in fields that emphasize quantitative methods with applications to business and economics. Calculus based topics that are used in the business field, as well as, Calculus based preliminary probability material will be followed by an introduction to the basic statistical methods.

DESCRIPTIVE STATISTICS & TRIGONOMETRY **FULL YEAR** **5 CREDITS**

Prerequisite: Pre-Calculus

This course is divided into two parts. First, an introduction to modern methods of descriptive statistics, including collection and presentation of data, measures of central tendency and dispersion, probability, sampling distributions, and statistical inference, linear regression and correlation, analysis of variance, and the use of microcomputers for statistical calculations. Second, students will study relations, functions, graphs, and trigonometry. The student will analyze and graph mathematical functions.

CALCULUS HONORS **FULL YEAR** **5 CREDITS**

Prerequisite: Pre-Calculus

Calculus focuses on an intuitive understanding of limits, derivatives, and integrals and their applications. This course is intended to introduce students to the four basic concepts of Calculus and prepare them to undertake the study of Calculus at the college level.

AP CALCULUS **FULL YEAR** **5 CREDITS**

Prerequisite: Pre-Calculus

Advanced Placement Calculus consists of a full academic year of work in Calculus and related topics comparable to courses in colleges and universities. It is expected that students who take an AP course in Calculus will seek college credit or placement, or both from institutions of higher learning. This course prepares the student: for all the topics associated with functions, graphs, and limits; derivatives; integrals; and polynomial approximations and series as delineated in the Calculus topic outline in the AP Calculus course description. To work with functions represented in a variety of ways — graphically, numerically, analytically, and verbally — and emphasizes the connections among these representations. How to use graphing calculators to help solve problems, experiment, interpret results, and support conclusions. How to communicate mathematics and explain solutions to problems both verbally and in written sentences.

ROBOTICS AND APP DESIGN **FULL YEAR** **5 CREDITS**

In this year-long course, students use computational thinking and computer programming as tools used in design and engineering while demonstrating an understanding of the problem solving capacity of computers in our world. Using varied platforms including JAVA, Python,

and Raspberry Pi students will program using a structured, top down approach to solve problems or accomplish a task. Additionally, students apply computational thinking practice, build vocabulary and collaborate just as computing professionals do to create products that address topics and problems important to them. Students will learn the fundamentals of robotics and applications of hardware for problem solving. Topics to be covered include: selection, looping, methods, classes as a black box, computer hardware, vex robotics, primitive graphics, hexadecimal and binary number systems, arrays, objects and graphical user interfaces, applets across the web. This is a freshman level course.

STEM DESIGN AND PROCESS FULL YEAR 5 CREDITS

The STEM Design and Process course will focus on applying engineering, science, math, and technology to solve complex, open ended problems in a real world context. Student teams will work through the process of defining and solving a problem, not on getting the "right" answer. They learn how to apply STEM knowledge, skills, and habits of mind through innovation. Building upon these skills, the student will engage in the ideas behind science and engineering practices to familiarize them with the initial processes behind doing authentic research. The aim is to build a foundation for students that allows them to examine original identified research opportunities in the natural science and engineering programs that hone the students' investigative skill and prepare them for academic endeavors.

CYBERSECURITY FULL YEAR 5 CREDITS

This is a full year course of digital citizenship, cryptography, networking fundamentals and basic system security. It is not coding intensive but students learn and use limited html, JavaScript, and SQL. This course is open to rising sophomores, juniors, and seniors.

PYTHON FULL YEAR 5 CREDITS

Prerequisite: Robotics and App Design

This STEM based beginner course is designed for those students that would like to further explore computer science. Course Goal: Students will be able to apply computational thinking skills to design algorithms and write programs using Python (a programming language.) Course Objectives: SWBAT

1. Explain how a computer works. This includes hardware (computer organization), software, networks, user interfaces and data.
2. Describe more extensive data representation including the use of binary representation of signed numbers, Booleans, text, image, and sound encoding.
3. Apply decomposition to design algorithms.
4. Understand and explain the workings of an IDE (Integrated Development Environment).
5. Implement algorithms using appropriate software. This course may include creation of simple video games, controlling behavior of objects in virtual worlds, designing and implementing very simple apps, creation of websites, or creation of STEM solutions to address a "real world" problem that incorporates software and hardware.

**AP COMPUTER SCIENCE
PRINCIPLES**

FULL YEAR

5 CREDITS

Prerequisite: Robotics and App Design

Computer science is everywhere, from our smartphones and video games to music, medicine, and much more. AP Computer Science Principles will help the student understand how computing and technology influence the world around them. In this course, the student will learn how computer science is useful to more than just computer programmers. In addition to programming and computer science principles, the course is project based and emphasizes writing, communication, collaboration and creativity.

AP COMPUTER SCIENCE A

FULL YEAR

5 CREDITS

Prerequisite: Python or AP Computer Science Principles

This course emphasizes problem solving, procedural and data abstraction, object oriented programming and design methodology, algorithms, and data structures in Java to meet the requirements of the AP Computer Science Exam.

MUSIC AND PERFORMING ARTS

<p>9th Grade Band/Instrumental Music I And Music Elective</p>
<p>10th Grade Band/Instrumental Music II And Music Elective</p>
<p>11th Grade Band/Instrumental Music III And Music Elective</p>
<p>12th Grade Band/Instrumental Music IV And Music Elective</p>

<p>9th Grade Chorus I And Music Elective</p>
<p>10th Grade Chorus II And Music Elective</p>
<p>11th Grade Chorus III And Music Elective</p>
<p>12th Grade Chorus IV And Music Elective</p>

Music and Performing Arts Electives

Guitar I*	Guitar II*
Music Theory I*	Music Theory II*
AP Music Theory	*half year course

AP MUSIC THEORY**FULL YEAR****5 CREDITS****Prerequisite: Music Theory I & II****Or Band Instrumental or Chorus**

AP Music Theory develops a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. The course will instill a mastery in the rudiments of music, including pitches, intervals, scales, chords, meter, and rhythm. Students will participate in critical listening activities, ear training exercises, sight singing, and musical analysis. Building on this foundation, the students will progress to harmonization of a melody, composing a musical bass line to provide two-voice counterpoint, and realization of figured bass notation. Students registering for this course should be able to read and write music, and feel comfortable singing daily in class. The AP exam tests understanding of musical structure and compositional procedures through recorded and notated examples. Students will be placed via teacher recommendation.

PHYSICAL & HEALTH EDUCATION

9th Grade
Physical & Health
Education

10th Grade
Physical & Health
Education

11^h Grade
Physical & Health
Education

12th Grade
Physical & Health
Education

Physical Education & Health Electives

Coaching Principles*

Health Choices for Today's Athlete*

Sports Medicine

***half year course**

PHYSICAL & HEALTH EDUCATION COURSES

PHYSICAL & HEALTH EDUCATION

5 CREDITS

GRADE 9

The ninth Physical Education program is directed toward total fitness with emphasis on health practices, coordination, stamina, agility, positive social behavior and includes skills that have a carryover value into adult life. Our program is designed to meet student needs, interests, abilities, and is conducted in such a manner that desired outcomes may be obtained.

The grade 9 Health program studies the growth and development of the human body, in the adolescent years, including:

- Study of sexually transmitted diseases - signs, symptoms, effects and cures.
- Awareness of birth control including abstinence.
- Recognition and understanding that family/community living maintains itself by sharing responsibilities.
- Awareness of harmful effects of alcohol and drugs on the human body.
- Death - Dying, Suicide, Cancer
- Nutrition
- Acquired Immune Deficiency Syndrome (AIDS)
- Mindfulness and dealing with stress

PHYSICAL & HEALTH EDUCATION

5 CREDITS

GRADE 10

The 10th grade Physical Education program is directed toward total fitness with emphasis on health practices, coordination, stamina, agility, positive social behavior and includes skills that have a carryover value into adult life. Our program is designed to meet student needs, interests, abilities, and is conducted in such a manner that desired outcomes may be obtained.

The grade 10 program covers the classroom instruction component of "Driver Education". It is concerned with the acquisition of factual information and proper attitudes, particularly as related to the individual and civic responsibilities necessary for intelligent driving.

PHYSICAL & HEALTH EDUCATION

5 CREDITS

GRADE 11

The eleventh grade Physical Education program is directed toward lifetime (leisure) activities with emphasis on team and individual play. A component of the program is for each student to learn sportsmanship both as a participant and as a spectator. The student will be able to see more clearly the relationship of the rules of the game with the rules of life.

The grade 11 health program addresses basic first aid and prevention of accidents, basic CPR, and nutrition.

PHYSICAL & HEALTH EDUCATION**5 CREDITS****GRADE 12**

The twelve grade Physical Education program is directed toward lifetime (leisure) activities with emphasis on team and individual play. A component of the program is for each student to learn sportsmanship both as a participant and as a spectator. The student will be able to see more clearly the relationship of the rules of the game with the rules of life.

Grade 12 Health provides instruction designed to develop an understanding of the physical, mental, emotional, social, economic and psychological phases of human relations as they are affected by male and female relationships. It includes anatomical and reproductive information along with family planning, abstinence and emphasis on attitudes, development and guidance related to the association and interaction between the sexes. Drug and alcohol education, etiology for addiction, contribution (community and family factors), psychological and other factors are explored and AIDS instruction is incorporated into the curriculum.

COACHING PRINCIPLES**HALF YEAR****2.5 CREDITS**

This course is an introductory course to the field of coaching and covers the essential ingredients necessary to be a successful coach. The course emphasizes coaching principles, including behavior, teaching, physical training, and management. The course also addresses leadership and coaching, sportsmanship, coaching diverse athletes, behavior management, drugs in sports, and the game approach to coaching.

**HEALTHY CHOICES
FOR TODAY'S ATHLETE****HALF YEAR****2.5 CREDITS**

Being an athlete today is a year round endeavor. Athletes are taxing their bodies more and more every year. With no off season to rest and recuperate, healthy choices become that much more important. This course will provide students with the knowledge of how to make healthy choices to maximize athletic performance. Main topics to be discussed are nutrition, physiology of exercise, proper strength training techniques, as well as the psychological and social benefits of being both physically and mentally healthy.

SPORTS MEDICINE**FULL YEAR****5 CREDITS****Prerequisite: Biology and Chemistry**

Sports Medicine is a tremendously popular field today. This course will provide students with an introduction to the field of sports medicine. Students will gain an understanding of basic health concepts familiar to all medical careers such as anatomy, physiology, and first aid. This course will offer students the opportunity to integrate science as well as learn basic physical skills. Main topics of study will include injury recognition, prevention of injury, sports conditioning, sports nutrition, emergency care, and first aid.

SCIENCE

9th Grade Biology Honors And Science Elective	9th Grade Biology Or Biology CP And Science Elective
10th Grade Chemistry Honors And Science Elective	10th Grade Chemistry Or Chemistry CP And Science Elective
11th Grade Physics Honors Or AP Physics I And Science Elective	11th Grade Physics CP And Science Elective
12th Grade AP Biology AP Physics I/II AP Chemistry AP Environmental Science Science Electives	12th Grade Science Elective

Science Elective Courses

Anatomy & Physiology	AP Biology
AP Chemistry	Environmental Science CP
AP Environmental Science	Forensic Science
Genetics	Introduction to Engineering Design
AP Physics I	AP Physics II
STEM Research & Design	

SCIENCE COURSES

ANATOMY & PHYSIOLOGY

FULL YEAR

5 CREDITS

Prerequisite: Biology

Anatomy and Physiology is a full year elective that studies the structure and function of the human body. Course development begins on the chemical level with processes such as homeostasis, and continually develops through cellular level, tissue level, organ level, and system level. Students will study comprehensive illustrations of anatomy which are visually appealing. Students will discover how the body regulates its own internal environment using feedback systems. Anatomy & Physiology can be the gateway to a gratifying career in a host of health science professions. Knowledge of the human body is the basis for understanding disease so it is beneficial to all students as they examine overall health and evaluate recommended treatments. Students must complete Biology CP or Honors in order to take this course.

BIOLOGY CP

FULL YEAR

5 CREDITS

The Biology CP program for high school helps students develop a greater understanding and appreciation for life around them, as well as the interdependence of the various systems that make life on earth possible. With this appreciation, the student can solve problems and help establish harmony between the community and the environment. Hands-on lab experiments and inquiry based lessons reinforce the scientific process. This course also provides the students with the opportunities to explore a variety of careers in the biological sciences. Practical applications of scientific research, as well as research and skills from the fields of Botany, Zoology, Cytology, Molecular Biology, Biotechnology, Ecology, Microbiology, and Biochemistry are integrated in this course to help provide students with an education that will help them become informed citizens with a greater understanding of the growing body of scientific knowledge that helps us to both define and develop our world.

BIOLOGY HONORS

FULL YEAR

5 CREDITS

The Biology Honors course centers on the basic tenet of biological sciences as described in the phrase, “the unity and diversity of life.” The Biology Honors course gives students a greater understanding and appreciation for life around them. With this appreciation, the student can solve problems. The course further provides students with an understanding of the application of biological sciences in solving problems in the fields of health, medicine, and industry, as well as environmental issues. Due to the advent of the end of course Biology test, the course is tailored to the concepts of scientific methodology and investigative techniques, biochemistry, energy transfer and flow, reproduction, heredity and genetics, biotechnology, ecology and evolution.

AP BIOLOGY

FULL YEAR

6 CREDITS

The course is offered with an additional laboratory experience each week. AP Biology is a college level course designed to challenge students to extend their knowledge of biological

theory and processes. The course integrates analytical themes with very significant amounts of factual data. The course content and course materials are approved and subject to review and change by the College Board's Advanced Placement Program. The AP Biology course is divided into three broad areas: molecules and cells, heredity and evolution, and organisms and populations. AP Biology deals with these topics by emphasizing eight (8) major themes of biology, which apply throughout the subject: Science as a process, evolution; energy transfer, continuity and change, relationship of structure to function, regulation, interdependence in nature, and science, technology, and society. Students will gain knowledge of the most important concepts, which form our current understanding of the particular topic.

CHEMISTRY CP

FULL YEAR

5 CREDITS

The approach of the Chemistry CP curriculum allows students to explore concepts within each of the content standards, giving them opportunities to make connections between chemistry concepts and the real world. Hands-on labs and inquiry based lessons reinforce the scientific processes. The activities provide opportunities and discussions that allow students to discover critical concepts by inquiry and apply the knowledge they have gained to their own lives. Students build critical skills that will be available to them for lifelong learning. The curriculum guides students' comprehension of fundamental chemistry processes, integrates facts and concepts, and fosters an appreciation of how science and scientists work.

CHEMISTRY HONORS

FULL YEAR

5 CREDITS

The approach of the Chemistry Honors curriculum allows students to explore concepts within each of the content standards at a more rigorous and in depth pace, giving them opportunities to make connections between chemistry concepts and the real world. Hands-on labs and inquiry based lessons reinforce the scientific processes. The activities provide opportunities and discussions that allow students to discover critical concepts by inquiry and apply the knowledge they have gained to their own lives. Students build critical skills that will be available to them for lifelong learning. The curriculum guides students' comprehension of fundamental chemistry processes, integrates facts and concepts, and fosters an appreciation of how science and scientists work.

AP CHEMISTRY

FULL YEAR

5 CREDITS

The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first year of college. For some students, this course enables them to undertake, as freshmen, second year work in the chemistry sequence at their institution or to register for courses in other fields where general chemistry is a prerequisite. Hands-on labs and inquiry-based lessons reinforce the scientific processes. The activities provide opportunities and discussions that allow students to discover critical concepts by inquiry and apply the knowledge they have gained to their own lives. Students build critical skills that will be available to them for lifelong learning. Topics covered include matter and energy, atomic structure, stoichiometry, kinetics and equilibrium, acids and bases, oxidation/reduction, and nuclear chemistry.

ENVIRONMENTAL SCIENCE CP FULL YEAR 5 CREDITS

This course is designed to be a general introduction to the many facets of environmental science. Environmental Science CP provides students with an appreciation and understanding of the fundamental and theoretical background and concepts in environmental science. Hands-on lab experiments and inquiry based lessons reinforce the scientific process. The impact of population growth on ecosystems, fossil and nuclear energy, resources and resource management, and population and risk assessment are among the topics to be discussed. The course will also deal with such issues as weather, global warming, deforestation, biodiversity, ozone depletion, and a focus on the ecology of New Jersey.

AP ENVIRONMENTAL SCIENCE FULL YEAR 5 CREDITS

This course adheres to the objectives set forth in the course description for AP Environmental Science, which states it is, “designed to be the equivalent of a one semester, introductory college course in environmental science.” This course includes a laboratory experience and field investigation component. Emphasis is placed on, “the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and manmade, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them.”

FORENSIC SCIENCE FULL YEAR 5 CREDITS

Forensic Science is a general introduction to the biological, chemical and physical science principles and technological practices in the study of criminal and civil issues. Major themes of study in this course are pathology, anthropology, ballistics, trace evidence, biological fluids, DNA, fingerprints, impression evidence, questioned documents and forensic psychiatry/psychology. Hands-on lab experiments and inquiry based lessons reinforce the scientific process. This course serves to familiarize those individuals with an interest in criminal justice or related fields with the methods and techniques currently employed by forensic scientists so that students have a working knowledge and understanding of the technical world of forensic science. Emphasis will be placed on the methods that link suspect, victim, and crime scene. Case studies and current events will also be explored. Successful completion of a unit will be based on the demonstration of mastery of the core curriculum standards.

GENETICS FULL YEAR 5 CREDITS

Prerequisite: Biology

The science of genetics has changed and continues to change our lives in many ways. Advances in modern genetics have made possible genetic engineering, better understanding of hereditary disorders, development of new varieties of crop plants and animals, and new insights into the mechanisms of evolution. All of these areas are based on the foundations of heredity that go back to the work of Mendel and other classical geneticists. This course shall introduce classical genetics, molecular genetics, which deals with the chemical action of DNA, population genetics, which is concerned with how genes influence the dynamics and evolution of

populations, and to the extent possible biological technologies and techniques involving genetics. Topics explored in class shall include classical and extended classical genetics, sex determination, patterns of inheritance, genomics (including the human genome project), and current understandings of hereditary disorders, DNA structure and replication, population and evolutionary genetics, and applications of genetics to biotechnology. Laboratory experiences shall include the breeding of certain animals and/or plants, various simulations, mathematical analysis of data, and to the extent possible, biotechnological techniques. Eligible students should have completed Biology prior to taking this course.

INTRODUCTION TO ENGINEERING DESIGN **FULL YEAR** **5 CREDITS**

Students will dig deeper into the engineering design process, applying math, science and engineering standards to hands-on projects. They will work both individually and in teams to design solutions to a variety of problems using 3D modeling software, and an engineering notebook to document their work. This course is part of Project Lead the Way. For more information please see:

<https://www.pltw.org/our-programs>.

PHYSICS CP **FULL YEAR** **5 CREDITS**

The purpose of this course is to provide students with the fundamentals of Physics. These fundamentals will be strong enough to allow our students to excel in college physical science courses and in future science oriented careers. This is an introductory Physics class. Initially we will ensure that students have the appropriate math skills to be able to complete complex problems. Oftentimes, we will draw on Biology (i.e. — Anatomy and Muscle Torque) and Chemistry (i.e. — Thermodynamics and the Gas Laws) which will serve to reinforce classes taught in the first two years of High School. This class will teach students to critically analyze problems in many situations. By learning important physical principles, the hope is that students will apply these principles in future college and work careers. Students will understand the great Laws of Physics (Energy, Mass, Charge, Momentum, Relativity, and Quantum Mechanics) and the contribution of Physicists (Galileo, Copernicus, Kepler, Newton, Archimedes, Maxwell, Faraday, and Einstein). They will be able to use these laws to predict and explain the behavior of objects in motion and at rest. Students will develop and apply important skills (math, quantitative and qualitative reasoning, design, and critical analysis) that will be useful throughout their careers.

PHYSICS HONORS **FULL YEAR** **5 CREDITS**

Physics Honors provides students with a foundation of basic concepts of Physics upon which more in depth concepts may be developed. General areas of study include one and two dimensional motion, force and the laws of motion, work and energy, momentum and collisions, rotational motion, fluid mechanics, heat and thermodynamics, vibrations and waves, sound, light, refraction, interference and diffraction, electric forces and fields, current and resistance, circuits and circuit elements, magnetism, and atomic physics. Physics Honors is designed to instill in students the knowledge and reasoning skills that students must acquire in order to be

proficient in science, namely the abilities to understand scientific explanations, to generate scientific evidence through active investigation, to reflect on scientific knowledge, and to participate productively in science. Physics Honors is also designed to help prepare students in those Physical Science strands relating to Properties of Matter, Changes in Matter, Forms of Energy, and Energy Transfer and Conservation.

AP PHYSICS I **FULL YEAR** **5 CREDITS**

AP Physics I is a "hands-on" course with equal emphasis on problem solving and lab exercises. This course is the equivalent to a first semester college course in Algebra based Physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum), work, energy, and power, and mechanical waves and sound. It will also introduce electric circuits. Students are required to have a very good understanding of basic Trigonometry and Algebra. No Calculus is required for this course. This course will provide students with an enduring, conceptual understanding of foundational physics principles. The approach of this course will enable students to spend less time on mathematical routines and more time engaged in inquiry based learning of essential concepts, and it will help them develop the critical thinking and reasoning skills necessary to engage in the science practices used throughout their study of Algebra based AP Physics I and subsequent course work in science disciplines. The intent is to provide our students with a college level course that prepares them to take and perform satisfactorily on the AP Physics I Test.

AP PHYSICS II **FULL YEAR** **5 CREDITS**

AP Physics II is a "hands-on" course with equal emphasis on problem solving and lab exercises. The course is the equivalent to a *second-semester* college course in algebra-based physics. The course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; and atomic and nuclear physics. Students must have completed AP Physics 1: Algebra-based. Students are required to have a very good understanding of basic trigonometry and algebra. No Calculus is required for this course, although students should have taken or be concurrently taking Precalculus or Precalculus Honors. Similar to AP Physics I, this course will provide students with an enduring, conceptual understanding of foundational physics principles. The approach of this course will enable students to spend less time on mathematical routines and more time engaged in inquiry-based learning of essential concepts, and it will help them develop the critical thinking and reasoning skills necessary to engage in the science practices used throughout their study of AP Physics II and subsequent course work in science disciplines. The intent is to provide our students with a college level course that prepares them to take and perform satisfactorily on the AP Physics II Test.

ROBOTICS AND APP DESIGN **FULL YEAR** **5 CREDITS**

In this year-long course, students use computational thinking and computer programming as tools used in design and engineering while demonstrating an understanding of the problem solving capacity of computers in our world. Using varied platforms including JAVA, Python, and Raspberry Pi students will program using a structured, top down approach to solve problems or accomplish a task. Additionally, students apply computational thinking practice,

build vocabulary and collaborate just as computing professionals do to create products that address topics and problems important to them. Students will learn the fundamentals of robotics and applications of hardware for problem solving. Topics to be covered include: selection, looping, methods, classes as a black box, computer hardware, vex robotics, primitive graphics, hexadecimal and binary number systems, arrays, objects and graphical user interfaces, applets across the web. This is a freshman level course.

STEM DESIGN AND PROCESS FULL YEAR 5 CREDITS

The STEM Design and Process course will focus on applying engineering, science, math, and technology to solve complex, open ended problems in a real world context. Student teams will work through the process of defining and solving a problem, not on getting the "right" answer. They learn how to apply STEM knowledge, skills, and habits of mind through innovation. Building upon these skills, the student will engage in the ideas behind science and engineering practices to familiarize them with the initial processes behind doing authentic research. The aim is to build a foundation for students that allows them to examine original identified research opportunities in the natural science and engineering programs that hone the students' investigative skill and prepare them for academic endeavors.

SOCIAL STUDIES

<p>9th Grade World History Honors And Social Studies Elective</p>
<p>10th Grade U.S. History I Honors Or Pre-AP U.S. History And Social Studies Elective</p>
<p>11th Grade U.S. History II Honors Or AP U.S. History And Social Studies Elective</p>
<p>12th Grade AP Human Geography AP Psychology Social Studies Electives</p>

<p>9th Grade World History CP And Social Studies Elective</p>
<p>10th Grade U.S. History I CP And Social Studies Elective</p>
<p>11th Grade U.S. History II CP And Social Studies Elective</p>
<p>12th Grade AP Human Geography AP Psychology Social Studies Electives</p>

Social Studies Elective Courses	
American Studies: 1960s-1990s	American Studies Honors: 1960s-1990s
History of Human Behavior	AP Human Geography
Introduction to Criminal Justice	Latin American Studies
Law: Rights and Responsibilities*	Legal Issues in the 21 st Century*
AP Psychology	Social Justice
Pre AP U.S. History	AP U.S. History
	*half year course

SOCIAL STUDIES COURSES

WORLD HISTORY CP

FULL YEAR

5 CREDITS

The course investigates the history of the world from the onset of the First Global Age through World War II. In this course students will learn how topics like politics, religion, geography, and ideas about the rights of both individuals and nations affect an interconnected world. Students will be provided with an understanding of how world events affect the development of the United States as the current program in the district will continue study of topics from this course in United States History I & II. The students will work to develop critical thinking skills by analyzing historical events and both current and recent events with connection to course content.

WORLD HISTORY HONORS

FULL YEAR

5 CREDITS

The course investigates the history of the world from the onset of the First Global Age through World War II. In this course, students will learn how topics like politics, religion, geography, and ideas about the rights of both individuals and nations affect an interconnected world. Students will be provided with an understanding of how world events affect the development of the United States, as the current program in the district will continue study of topics from this course in United States History I & II. The students will work to develop critical thinking skills by analyzing historical events and both current and recent events with connection to course content. The Honors level of this course is designed as writing intensive, and offers more opportunities for the advanced student to have academic experiences that will improve their performance across the curriculum.

US HISTORY I CP

FULL YEAR

5 CREDITS

Prerequisite: World History

The American History program for high school helps students analyze how our nation's development has changed global perspectives on politics, economics, culture, and human rights, while creating a shared American culture and heritage. The study of America's evolution from European colonies to a leading world power will provide students with opportunities to study the core democratic values and underlying principles that this nation was founded on and that have shaped our modern American society. Building upon the foundation that students receive in the World History program, students will be provided with an understanding of the interconnected relationship between national and global events in history. The United States History I course investigates the history of our nation from the period of colonization and settlement of the Americas to the development of the industrial United States. The students will work to develop critical thinking skills by analyzing historical events and both current and recent events with connection to course content.

US HISTORY I HONORS**FULL YEAR****5 CREDITS****Prerequisite: World History**

United States History I Honors chronicles the development of United States history and culture from the early colonial period to the late 19th century. Students examine the major influences on the domestic, economic, and cultural topics in United States history, including the founding and testing of a new nation, the effect of wars and revolutions, and 19th century movements. Objectives and competencies include history, geography, economics, civics, science and the arts from a diverse perspective enabling students to grasp the interrelationship between and among them. To meet the needs of high ability students, further requirements will be added to the United States History I Honors course and historical points of reference are emphasized. Instruction encourages students to use higher level thinking and problem solving skills, and integrates computer technology and internet research. Students engage in individual research projects, debates, panel discussions, field trips, and recommended outside readings.

PRE-AP US HISTORY I**FULL YEAR****5 CREDITS****Prerequisite: World History**

Pre-Advanced Placement United States History will chronicle the development of United States history and culture from the early colonial period to the late 19th century. This course is designed to introduce the students to the skills necessary to deal critically with problems and materials in American History. The course will stress the development of critical thinking skills, primary source analysis and proficiency in writing. Therefore, the course develops the skills necessary to arrive at conclusions on the basis of informed judgments, analysis of documentation and to present ideas clearly and persuasively in writing. This course will help prepare the student for the Advanced Placement Examination that will be taken in May of the junior year.

US HISTORY II CP**FULL YEAR****5 CREDITS****Prerequisite: US History I**

The American History program for high school helps students analyze how our nation's development has changed global perspectives on politics, economics, culture, and human rights, while creating a shared American culture and heritage. The study of America's evolution from European colonies to a leading world power will provide students opportunities to study the core democratic values and underlying principles that this nation was founded on and that have shaped our modern American society. Building upon the foundation that students receive in the World History program, students will be provided with an understanding of the interconnected relationship between national and global events in history. The United States History II course investigates the history of our nation from the Progressive Era to the study of the United States in today's world. The students will work to develop critical thinking skills by analyzing historical events and both current and recent events with connection to course content.

US HISTORY II HONORS**FULL YEAR****5 CREDITS****Prerequisite: US History I**

United States History II Honors chronicles the development of the United States history and culture from the late 19th century to the present. Objectives and competencies include history, geography, economics, civics, science and the arts from a diverse perspective enabling students to grasp the interrelationship between and among them. Students read works of representative historians and primary source documents, which culminate in research projects, debates, panel discussions and field trips. Historical points of reference are emphasized as students examine significant events and issues in the United States as well as events and issues throughout the world, and continue to gain a perspective of our past and its essential role in the development of our own diverse culture. Current events are an integral part of the course, enabling students to understand the impact of past historical events and decisions on present and future affairs. Instruction encourages students to use higher level thinking skills, problem solving and integrates computer technology and internet research.

AP US HISTORY**FULL YEAR****5 CREDITS****Prerequisite: US History I**

The Advanced Placement program in United States History is designed to provide students with the skills necessary to deal critically with problems and materials in American history from the Reconstruction to the present day. It is taught on the college level, and requires critical thinking, analytical skills, and proficiency in writing. The program prepares students for intermediate and advanced college courses. Students will learn to assess historical materials – their relevance to a given interpretive problem, their reliability, and their importance – and to weigh the evidence and interpretations presented in historical scholarship. The course meets the New Jersey Student Learning Standards, the AP College Board requirements, and Holocaust/Genocide and Amistad Mandates. Students will prepare for the Advanced Placement examination.

AMERICAN STUDIES**FULL YEAR****5 CREDITS****1960s-1990s****Prerequisite: World History and US History I**

This elective guides the student through these four decades of American History, and provides a framework for understanding the distinct leadership and prominent role that the United States of America enjoys in the world system of nations. The intent of this course is to extend the student's knowledge of United States history and present a more in depth look into the late twentieth century with a cultural as well as historical perspective. Students must successfully complete World History and United States History I prior to taking this course.

AMERICAN STUDIES**FULL YEAR****5 CREDITS****1960s-1990s HONORS****Prerequisite: World History and US History I**

This elective guides the student through these four decades of American History, and provides a framework for understanding the distinct leadership and prominent role that the United States of

America enjoys in the world system of nations. The intent of this course is to extend the student's knowledge of United States history and present a more in depth look into the late twentieth century with a cultural, social, political, and historical perspective. This course will continue to stress the development of critical thinking skills, primary source analysis and proficiency in writing. Students must successfully complete World History and United States History I prior to taking this course.

HISTORY OF HUMAN BEHAVIOR **FULL YEAR** **5 CREDITS**

This course will provide students with an understanding of the components of human behavior through a broad overview of psychology, from its origin to the most recent scientific findings. It integrates the study of history, sociology, anthropology, and psychology. Students will study personality traits, the development of self-esteem, altered states of awareness, dreams, emotions, and other concepts.

AP HUMAN GEOGRAPHY **FULL YEAR** **5 CREDITS**

AP Human Geography is a year long course that focuses on the distribution, processes, and effects of human populations on the planet. Units of study include population, migration, culture, language, religion, ethnicity, political geography, economic development, industry, agriculture, and urban geography. Emphasis is placed on geographic models and their applications. Case studies from around the globe are compared to the situation in both the United States and locally. Internet and video activities are used to explore certain topics. The course meets the New Jersey Student Learning Standards, the AP College Board requirements. Students will prepare for the Advanced Placement examination.

INTRODUCTION TO CRIMINAL JUSTICE **FULL YEAR** **5 CREDITS**

This course will provide students with an introduction and overview of the system of criminal justice operating in the United States today. The course is an exploration of the historical development, current operation, and future trends of criminal justice. Emphasis will be placed on contemporary problems in the definition of law, the enforcement of law, strategies of policing, judicial systems, sentencing strategies, correctional practices, and emerging forms of justice.

LATIN AMERICAN STUDIES **FULL YEAR** **5 CREDITS**

The goal of this course is to introduce students to the historical, societal, cultural, and political complexities of Latin America. The course will examine the role of indigenous populations, the legacy of slavery, and European and American colonizers in shaping contemporary Latin America. Students will analyze the myth of the Latin American monolith, and instead, study the diverse cultures and customs of nations through art, literature, and history. This course seeks to elevate and celebrate the myriad contributions of Latin American on a global scale. This class will be conducted in English.

LAW: RIGHTS & RESPONSIBILITIES**HALF YEAR****2.5 CREDITS**

This course focuses on the complexities of the American Legal System and the role of the citizen in that system. Emphasis is placed on the relationship of civil and constitutional law on today's citizens. The historical development of the American legal system is explored and the role of precedent and landmark cases that affect our world today.

LEGAL ISSUES IN THE 21st CENTURY**HALF YEAR****2.5 CREDITS**

Our world in the 21st century is constantly changing. Populations are more mobile. Economic markets are becoming global. Transactions demand cultural understanding. The internet and other communication technologies bridge time zones and distances to form new communities not bound by territory. Legal issues in the 21st century explore how the law, too, is changing to reflect and adapt to these new conditions and circumstances. Topics of study include the law of contracts, family law, intellectual property, environmental law, employment law, privacy issues and legal issues involving the internet, cybercrime and e-commerce.

AP PSYCHOLOGY**FULL YEAR****5 CREDITS**

AP Psychology provides an overview of current psychological research methods and theories. Students will explore the therapies used by professional counselors and clinical psychologists and examine the reasons for normal human reactions: how people learn and think, the process of human development and human aggression, altruism, intimacy, and self-reflection. They will study core psychological concepts, such as the brain and sense functions, and learn to gauge human reactions, gather information, and form meaningful syntheses. Along the way, students will also investigate relevant concepts like study skills and information retention. The equivalent of an introductory college level survey course, AP Psychology prepares students for the AP exam and for further studies in psychology or life sciences. This course has been authorized by the College Board to use the AP designation.

SOCIAL JUSTICE**FULL YEAR****5 CREDITS****Prerequisite: World History**

This course investigates the serious problematic issues of our world today. For a clearer understanding of those problems the course will also look at how the general trends of the 20th century laid the foundation for these issues. The course will focus on the key foreign and domestic issues that the United States and the world are dealing with today. The course will focus on economic, social, political, and military issues which affect the US and the world. The topics covered include but are not limited to the Arab-Israeli conflict, the rise of rogue nuclear powers, the current global economic crisis, global warming, dependency on fossil fuels and the alternatives available, and a history of terrorism in the 20th century to the present. All major current events will be discussed daily. Students must successfully complete World History prior to taking this course.

WORLD LANGUAGES

**9th Grade
Spanish I CP**

**10th Grade
Spanish II CP**

**11th Grade
Spanish III CP
Or
Spanish III Honors**

**12th Grade
Spanish IV Honors
Or
AP Spanish**

**9th Grade
Italian I CP**

**10th Grade
Italian II CP**

**11th Grade
Italian III CP
Or
Italian III Honors**

**12th Grade
Italian IV Honors
Or
AP Italian**

WORLD LANGUAGE COURSES

SPANISH I CP

FULL YEAR

5 CREDITS

The Spanish I program stresses student learning via communication. Focus is based on pronunciation skills and simple conversation. Students will learn basic grammar structures as a framework of the language. Along with linguistics strategies, students will also learn about the cultures of Spanish speaking countries, with focus on the geography, people, customs and daily life. All learning is designed to foster an appreciation of the value of the Spanish language in today's society.

SPANISH II CP

FULL YEAR

5 CREDITS

Prerequisite: Spanish I

The Spanish II program stresses student learning via communication. The structure of the course is designed to reinforce and build upon the Spanish I curriculum. Grammar structures are reviewed and the language continues to be developed and expanded. Students will learn about the cultures of Spanish speaking countries, with focus on the geography, people, customs and daily life.

SPANISH III CP

FULL YEAR

5 CREDITS

Prerequisite: Spanish II

This third level language class is a continuation of the integrated approach to language learning designed to continue the course of study in Spanish II. The introduction of new material, reinforcement of previously learned material, evaluation, review exercises and activities span all four language skills: listening, speaking, reading, and writing. Students will continue to learn grammar structures, becoming more proficient in reading and writing skills through textbook exercises and supplemental materials. There is an increased usage of the target language by both the teacher and the students.

SPANISH III HONORS

FULL YEAR

5 CREDITS

Prerequisite: Spanish II

The Spanish III Honors program stresses student learning via communication. Focus is based on development of vocabulary and grammar advanced structures through extensive reading of target language for comprehension and enjoyment. The program will provide opportunities for students to produce critical compositions demonstrating comprehension of literature under study. Students will learn and apply proper grammar through speaking and writing. Along with linguistics strategies, students will also learn about the cultures of Hispanic countries, with focus on the geography, people, literature, and daily life.

SPANISH IV HONORS

FULL YEAR

5 CREDITS

Prerequisite: Spanish III

The Spanish IV Honors program stresses student learning via communication and literary analysis. Focus is based on further development of vocabulary through extensive reading of target language for comprehension and enjoyment. The program will provide opportunities for

students for extensive reading, classroom discussion, and individual research and reporting for the goal of demonstrating comprehension of literature under study. Students will learn and apply proper grammar through speaking and writing. Along with linguistics strategies, students will also learn about the culture of Spanish speaking countries, with focus on the geography, people, literature, and daily life.

AP SPANISH

FULL YEAR

5 CREDITS

Prerequisite: Spanish III

The AP Spanish Language course is comparable to an advanced level college Spanish language course. Emphasizing the use of Spanish for active communication, it encompasses aural/oral skills, reading comprehension, grammar, and composition. The course objectives are to help you:

- understand Spanish spoken by native speakers at a natural pace, with a variety of regional pronunciations, in both informal (interpersonal) and formal (presentational) contexts;
- develop an active vocabulary sufficient for reading newspaper and magazine articles, contemporary literature, and other non-technical writings (websites, letters and emails, advertisements, signs and instructions) in Spanish without dependence on a dictionary;
- express yourself by describing, narrating, inquiring, and developing arguments in Spanish, both orally and in writing, with reasonable fluency, using different strategies for different audiences and communicative contexts.

In this course, special emphasis is placed on the use of authentic source materials and the integration of language skills. Therefore, you should receive extensive training in combining listening, reading, and speaking (or listening, reading, and writing) skills in order to demonstrate understanding of authentic Spanish language source materials. Students will prepare for the Advanced Placement examination. This course meets AP College Board requirements.

ITALIAN I CP

FULL YEAR

5 CREDITS

The Italian I program stresses student learning via communication. Focus is based on pronunciation skills and simple conversation. Students will learn basic grammar structures as a framework of the language. Along with linguistic strategies students will also learn about the culture of Italy, especially focusing on the geography, people, customs, and daily life. All learning is designed to foster an appreciation of the value of the Italian language in today's society.

ITALIAN II CP

FULL YEAR

5 CREDITS

Prerequisite: Italian I

The Italian II program continues, and works to reinforce, the language learning that began in the Italian I curriculum. The focus remains a communication based module with emphasis on conversation. Grammar structures are reviewed and the language continues to be developed and expanded. The culture of Italy continues to be learned, with special attention on the cultural components of art, literature, music and film.

ITALIAN III CP**FULL YEAR****5 CREDITS****Prerequisite: Italian II**

This third level language class is a continuation of the integrated approach to language learning designed to continue the course of study in Italian II. The introduction of new material, reinforcement of previously learned material, evaluation, review exercises and activities span all four language skills: listening, speaking, reading, and writing. Students will continue to learn grammar structures, becoming more proficient in reading and writing skills through textbook exercises and supplemental materials. There is an increased usage of the target language by both the teacher and the students.

ITALIAN III HONORS**FULL YEAR****5 CREDITS****Prerequisite: Italian II**

This third level language class is designed to continue the course of study in Italian II. Students will continue to learn grammar structures, becoming more proficient in reading and writing skills through textbook exercises and supplemental materials. Emphasis will be put on being familiar with the Italian language and culture in traditional learning scenarios. Conversation will continue to be highlighted throughout the year and students will practice simple dialogues to become more comfortable with the spoken language. Appropriate level readings in Italian will introduce students to an overview of Italian literature.

ITALIAN IV HONORS**FULL YEAR****5 CREDITS****Prerequisite: Italian III**

The Italian IV course provides a detailed review of all advanced grammar concepts and continues the study of Italian literature, including classical and modern authors. Particular attention is paid to the arts. Current events in Italy are investigated and discussed throughout the course to keep students informed about the politics, lifestyles, and problems of the country today. Study will include opportunities for students to develop a deeper understanding and respect of the people and culture of Italy. Emphasis is on the spoken Italian language in class, and on the ability of the student to converse and debate in the target language.

AP ITALIAN**FULL YEAR****5 CREDITS****Prerequisite: Italian III**

Advanced Placement Italian emphasizes the use of Italian for aural/oral skills, reading comprehension, grammar and composition. The students will be able to communicate orally with a high level of fluency and pronunciation, to interpret written and aural sources, and to synthesize ideas and use such sources to support their own ideas. This course will enable students to view their own culture, as well as the culture of the target language, with a more global perspective. This course will broaden knowledge of Italian products, perspectives and practices, while enhancing interpersonal and presentational communication. Along with linguistic strategies, students will also gain a deeper understanding of the culture of Italy, with focus on the economy, politics, education, cuisine, societal beliefs and values, family structures, and youth culture. Students will prepare for the Advanced Placement examination. This course meets AP College Board requirements.

WORLD CULTURES**FULL YEAR****5 CREDITS**

This is a beginning-level course for Non-traditional language students who may benefit from a more individualized instructional approach in a smaller setting. Students will begin to develop communicative language skills through differentiated strategies that will address their specific learning styles. The program stresses student learning via basic communication. Focus is based on pronunciation skills and simple conversation. Students will learn basic grammar structures as a framework of the target language (TL). Along with linguistics strategies, students will also learn about the cultures of the foreign-speaking countries, with a focus on the geography, people, customs, and daily life. All learning is designed to foster an appreciation of the widespread influence of the language and cultures on both American and global society.