

AMERICAN HISTORY HIGH SCHOOL

COURSES OF STUDY HANDBOOK

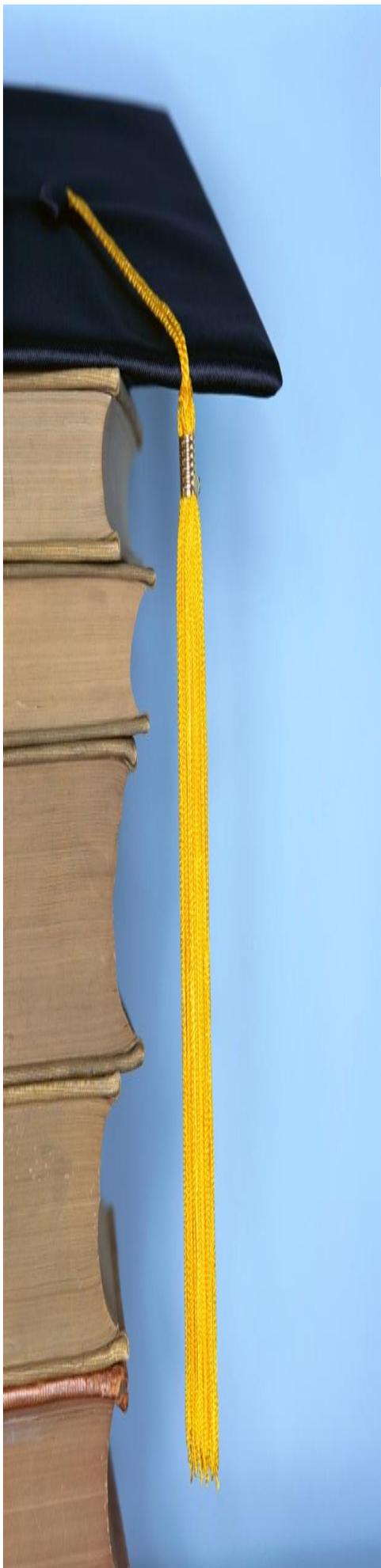
**2012-2013
School Year**



**ADOPTED FROM THE NEWARK PUBLIC SCHOOLS
SECONDARY COURSES OF STUDY HANDBOOK**

**A Robert Gregory
PRINCIPAL**

Changing Hearts and Minds to Value Education



Administration

State District Superintendent.....Ms. Cami Anderson

Assistant Superintendent.....Mr. Brad Haggerty

Chief Financial Officer..... Ms. Valerie Wilson
School Business Administrator

Principal Mr. A. Robert Gregory

Vice Principal..... Ms. Elizabeth Haden

Language Arts Literacy Department Chairperson Ms. Mariama Sesay-St. Paul

Mathematics Department Chairperson.....Mr. Omar Muhammad

Social Studies Department Chairperson Ms. Elizabeth Crespo



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Introduction

The Newark Public Schools and American History High School has dedicated ourselves to the provision of rigorous courses of study and high academic expectations, which require that opportunities are available to ensure the educational success of all students. The curriculum is informed by the adoption of the New Jersey Core Curriculum Content Standards, the mandatory High School Proficiency Assessment and the end-of-course assessments required by the New Jersey Department of Education.

This document provides valuable information relative to courses offered in the Newark Public Schools district. A listing and description of these courses, as well as the number of credits and prerequisites for each course in the high schools, can be found in this document. All courses required for graduation are offered in every high school.

Courses offered by partnering colleges and universities are identified in a separate section of this document.

It is hoped that this book will provide guidance in the selection of courses of study, and assist in ensuring success in college readiness and beyond for all high school students.

HEALTH, SAFETY AND PHYSICAL EDUCATION

DEPARTMENT CHAIRPERSON: Mariama Sesay-St. Paul

The objective of the Department is to promote and develop personal health and fitness attributes in our students, which will carry over into their lives beyond their school experiences. Students will be provided with information that will enable them to make informed decisions regarding personal lifestyles. The curriculum focus is on developing health-literate and physically educated students ensuring: increased self esteem and self respect; health, fitness and lifelong wellness through physical activity; nutrition and weight management daily; literacy related to health and substance abuse education; and awareness of safety in physical activity and participation

HEALTH I

Grade.....9
Credits..... 2.5
Prerequisite..... None

This course gives the students an introduction to mental and emotional health, family and social health, diseases and disorders, personal health and fitness, alcohol, tobacco and other drugs, growth and development as well as safety and first aid. An emphasis on self-awareness, peer pressure, self esteem, and interpersonal relationships completes this curriculum.

HEALTH II

Grade..... 10
Credits..... 2.5
Prerequisite..... Health I

This course on an intermediate level focuses on the units of safety and first aid, mental and emotional health, community and environmental health, family and social health, personal health and fitness, alcohol, tobacco and drugs. Included in this course is a focus on driver education that prepares students for the written New Jersey's Drivers Test.

HEALTH III

Grade..... 11
Credits..... 2.5
Prerequisites..... Health I, II

This course continues to focus on the following units of family and social health, nutrition and consumer health, first aid safety, growth and development, alcohol, tobacco and drugs as well as personal health, exercise and fitness. The role of nutrition and exercise as they contribute to wellness and quality of life are part of the course of instruction.

HEALTH IV

Grade.....12
Credits..... 2.5
Prerequisites.....Health I, II, III

This course provides for advanced study of community and environmental health, mental and emotional health, alcohol, tobacco and drugs, nutrition and consumer health, family and social health, safety and first aid as well as personal health and fitness. Emphasis will also be placed on lifelong benefits of fitness, lifetime decision-making and career goal setting.

TEEN PREVENTION EDUCATION PROGRAM (TEEN PEP)

Grades 11, 12
Credits..... 5.0
Prerequisite.....Health I, II

Teen PEP is a for-credit (year long or the equivalent) sexual health education course. It is offered as an elective or an alternative health and physical education course. Selected students are trained to be leaders and peer educators who conduct outreach workshops to peers, parents, and educators. The 16 unit curricula, which meets the New Jersey Core Curriculum Content Standards, focuses on the following topics: team communication, presentation and facilitation skills, understanding gender, puberty education, postponing sexual involvement, birth control methods, understanding and preventing HIV and other STIs.

PHYSICAL EDUCATION I

Grade 9
Credits.....2.5
Prerequisite None

The main focus of the curriculum for this course is to teach ninth graders the role of exercise and improvement of personal fitness levels as major contributors to their wellness. Students participate in a variety of individual and team activities – gymnastics, volleyball, softball, basketball, etc.

PHYSICAL EDUCATION II

Grade 10
Credits..... 2.5
Prerequisite Physical Education I

This curriculum is developed to include a core of physical fitness activities which improve strength, speed, agility, balance, organic vigor, flexibility, coordination, muscular endurance, good posture, and body mechanics. Therefore, all activities and exercises are planned to affect all parts and systems of the body. Individual and team sports are included in instructional activities.

PHYSICAL EDUCATION III

Grade 11
Credits..... 2.5
Prerequisite Physical Education I, II

Recognition of the potential for change in personal fitness levels is emphasized in the eleventh grade course. Personal fitness from a prescriptive viewpoint is investigated. Students are encouraged to determine the activities that work best for them in promoting long-term goals for fitness. Individual and team sports are included in instructional activities.

PHYSICAL EDUCATION IV

Grade 12
Credits.....2.5
Prerequisite Physical Education I, II, III

The course of study for seniors is designed to refine lifetime activities so students may continue to nurture an interest in a healthy lifestyle. Personal fitness continues to be developed

PEER GROUP CONNECTION (PCG)

Grades11, 12
Credits..... 5.0
Prerequisite..... Health I, II

In this leadership class, students will learn how to work in teams as group discussion leaders and positive role models for younger peers. As an experiential course, students will be expected to work in pairs to utilize the leadership skills they develop in the course to conduct weekly outreach sessions with small groups of incoming ninth grade students. Students will learn decision making; problem solving; goal setting; teamwork; negotiations; refusal; group facilitation; giving and receiving feedback; active listening; time management; and self assessment skills. Topic areas addressed include personality and work styles; interpersonal relationships; the connection between academic success and life after high school; planning for the future, parental teen communication; decision making; cultural diversity; and leadership skills, role modeling behaviors, class participation, and self assessments.

VISUAL AND PERFORMING ARTS

DEPARTMENT CHAIRPERSON: MariamaSesay-St. Paul

PERFORMING ARTS

Music courses offer students the opportunity to experience a variety of music genre through which to explore their talents and appreciation. Students learn about the mutual influences of history and culture on music, and are able to participate in music-based vocal and instrumental performance activities. The performing arts are an integral component of the New Jersey Core Curriculum Content Standards.

Grades.....9, 10, 11
Credits..... 5
Prerequisites..... None for Vocal Music I

This course of study develops the vocalist from a rudimentary or beginning level in the first year to advanced proficiency equal to the requirements for audition in honors ensembles and membership in collegiate vocal groups. Solo repertoire and stage presence are emphasized. The curriculum includes instruction in the technical aspects of voice, with considerable time dedicated to vocal health. Students will learn individual practice strategies and develop the technical skills to be successful solo performers and ensemble singers. Students will study music history and music theory and apply that knowledge to their vocal performances. Solo and ensemble performances are required.

MIXED CHOIR (II)

Grades.....9, 10, 11
Credits..... 5
Prerequisites None

Mixed Chorus is offered to students as an opportunity to express themselves through singing. Emphasis is on the provision for students to experience a wide range of vocal music, historical, standard/traditional and contemporary, compatible with the developing adolescent singing voice. Students learn and develop the skill of reading music that is enhanced by text. Students are required to listen to recorded vocal music, view videotaped performances and attend performances as models to develop and hone critical listening and performance skills. Performance participation is required. Correct vocal production is emphasized

CONCERT CHOIR (III)

Grade 11, 12
Credits..... 5
Prerequisite Mixed Choir and Auditioning
Teacher's Recommendation

Concert Choir is offered to students who wish to continue their vocal training at an advanced level and as an opportunity to express themselves through singing. Emphasis is on the provision for students to experience a wide range of vocal music, historical, standard/traditional and contemporary, compatible with the developing adolescent singing voice. Students develop the skill of reading music that is enhanced by text. Students are required to listen to recorded vocal music, view videotaped performances and attend performances as models to develop and hone critical listening and performance skills. Performance participation is required. Correct vocal production is emphasized.

Grade11, 12
Credits..... 5
Prerequisite.....Mixed Chorus and Auditioning
Teacher's Recommendation

Advanced Mixed Chorus places the emphasis on performance for students with more mature voices. In this course students perform, with significant refinement, a wide range of vocal music, historical, standard/traditional and contemporary, that is more demanding and rigorous. Students are required to listen to recordings, view videotaped musical performances and attend performances as models to develop and hone critical listening and performance skills. Performance participation is required. Correct vocal production is emphasized.

VISUAL ARTS

Courses in visual and performing arts are proffered to strengthen the mission of American History High School to provide a quality, well-rounded, classical education for all students. Visual and performing arts courses are aligned with the New Jersey Core Curriculum Content Standards, National Standards for Visual Arts and the National Standards for Music. Activities include: lecture; hands-on experience; research; reflection; performance and production. Ample opportunities are provided for students to express themselves as individuals and to use their interests, talents and skills collaboratively. At the core of the courses, students are guided to understand and appreciate the **arts** as they appear in their myriad forms, historically and culturally. Art Foundations is required prior to a student enrolling in any other art course

ART I

Grade 9, 10, 11, 12
Credits..... 5
Prerequisite None

Art foundations is an introductory level course in which students use elements and principles of design to problem solve and create art works aligned with art history, aesthetics, and criticism. Experiences in producing two-dimensional and three-dimensional art works using a variety of media, techniques, and processes will be provided. Students learn proper use of equipment and tools. Critical thinking skills will be developed through analysis of art works both orally and in written form. As a result of this class, students connect the possibilities of visual arts to all human endeavors, past and present, as well as the career options available in the arts.

ART II

Grade10, 11, 12
Credits5
Prerequisite..... Art I

In General Art, students refine their appreciation of the visual arts through the study of design, composition and color theory. Emphasis is on student self-expression through the practical application of a variety of visual arts media. Students will employ artistic skills, critical thinking skills, and concept development through concrete experiences creating, reflecting and discussing art works. Art history, criticism and aesthetics will be studied in relationship to individually selected art works and will lead to development of a personal philosophy of art. Students are required to develop artworks for exhibition and their individual portfolios, maintain sketchbooks and art journals. Students are required to visit galleries and museums.

ART III

Grade 11, 12
Credits5
Prerequisite....., Art I and II
Teacher Recommendation & Portfolio

In General Art II, students build on previous skills while developing personal style, perception, technique and appreciation in an area of choice. Students will hone their philosophy of art and art making through in-depth, advanced explorations of their chosen media, techniques and processes. A portfolio reflecting a broad base of knowledge in the chosen medium is required. Additionally, students participate in planning and installing an exhibition of their works while continuing to maintain sketchbooks and art journals. Students are required to visit galleries and museums.

ART IV (Drawing and Painting)

Grade11, 12
Credits 5
Prerequisites Art I, II and III and Art Teacher Recommendation and Portfolio

Students create individual works of art designed to expand their experience through in-depth study and application of drawing and painting skills. Students master a variety of drawing and painting media techniques to create quality artwork that is demonstrative of each. Exploration of two-dimension media in the context of art history, aesthetics and critique will be examined through concrete experiences creating, reflecting and discussing artworks. Students are required to develop individual artwork for portfolios and exhibition, while continuing to maintain sketchbooks and art journals. Students are required to visit galleries and museums.

ART V (Studio Art)

Grade 12
Credits 5
Prerequisites..... Art III or IV
Art Teacher Recommendation and Portfolio

Students create two-dimensional and three-dimensional works of art designed to expand their art studio experiences while developing personal expressions and style through in-depth study and application of techniques and media. Students are responsible for planning and producing works of art while adhering to deadlines. Exploration of media in the context of art history, aesthetics and critique will be examined through concrete experiences creating, reflecting and discussing artworks. Students develop artwork for their individual portfolios and exhibition while continuing to maintain sketchbooks and art journals. Students are required to visit galleries and museums.

LANGUAGE ARTS LITERACY

DEPARTMENT CHAIRPERSON: Mrs. Mariama Sesay-St. Paul

The Language Arts curriculum reflects the cyclic and cumulative nature of English language learning which is organized into five strands: reading/ literature, writing, speaking and listening, viewing, and media literacy. Achievement and the demonstration of proficiency in each strand reflect students' increasing maturity and capacity to respond to content in any area. Students will be provided with the language experiences they need to grow intellectually, socially and emotionally

ENGLISH I

Grade: 9
Credits: 5
Prerequisite: None

The ninth grade English course provides exposure to British, American, classical and multicultural literature. Students perform a series of task-related activities that are precursors to the High School Proficiency Assessment. Study focuses on the use of the literacy standards set by the State Core Curriculum for reading, speaking, listening, writing and viewing in the content, and employs all of the comprehensive, narrative, persuasive, expository, and descriptive selections and vocabulary inherent in the ninth grade curriculum. Specific instruction in the Writing Process provides students with the means to develop coherent pieces of writing throughout the course.

ENGLISH I HONORS

Grade: 9
Credits: 5
Prerequisites..... Final grade of A or B in previous year's English course and Completion of a Summer Reading Assignment

This course includes all the essentials of English I; however, students are expected to master materials with much greater depth and complexity than English I. Particular emphasis is placed on research, writing and analytical skills. This course offers reading, discussion and writing experiences dealing with various genres of world literature including poetry, proverbs, folklore, full-length plays and mythology. Focus is placed on exploring literature from a variety of cultures. Journals, essays and projects that meet the needs of all learning styles are assigned and used as means of assessment.

ENGLISH II

Grade: 10
Credits: 5
Prerequisite: English I

This course for tenth grade students provides a greater understanding and expanded use of standard English, a more pertinent use of mechanics, a wider exposure to literary masterpieces and an additional opportunity in evaluative research. The comprehensive, narrative, persuasive, expository and descriptive selections, opportunities for writing, vocabulary inherent in the tenth grade curriculum and proficiencies will be applied toward preparation for the High School Proficiency Assessment.

ENGLISH II HONORS

Grade: 10
Credits: 5
Prerequisites..... Final Grade of A or B in English I and Completion of a Summer Reading Assignment

This course includes all the essentials of English II; however, students are expected to read critically, pursue in greater depth and analyze more difficult selections. Works of major writers as well as classical literature are read. Independent reading, vocabulary development, expository writing, oral presentations, organizing and writing research papers are emphasized. The course includes studies of more advanced aspects of poetry, the novel and full-length drama. Emphasis in writing is on types of essays (expository, narrative, descriptive and persuasive). Students are provided with an introduction to great American writers from the pre-colonial period to the present, and an overview of British literature. Selections by major authors are read and discussed for oral interpretation and written analysis. Multicultural authors of note are included among selections.

ENGLISH III

Grade: 11
Credits: 5
Prerequisites: English I, II

The course of study for the eleventh grade requires students to examine, analyze, and develop cognitive skills that are needed for the appreciation of American literature, and also requires skills needed for self-evaluation and growth in writing, viewing and listening. Students will move from Early American offerings to contemporary American writers (1946-present), from which they will study a wider array of fictional and non-fictional prose, poetry, critical reviews and essays. Students will also be offered preparation for the High School Proficiency Assessment (HSPA). Advanced studies in evaluative research based on American literature are included.

ENGLISH III HONORS

Grade: 11
Credits: 5
Prerequisites: Final Grade of A or B in English II and Completion of a Summer Reading Assignment

This course includes the essentials of English III. Honor students are expected to read more critically and pursue in greater depth more difficult selections from contemporary and historical American literature. Several plays will be read and discussed. Speaking, writing and research skills will be further developed. This course introduces students to American literature of various types and historical periods. Included are classic works and significant contemporary literature. In writing, students work with unified paragraphs leading to a completed theme. Vocabulary, grammar, speaking and writing exercises are largely developed from required readings. More advanced research skills are presented at this level with the emphasis on source identification techniques. The ability to work independently is sometimes required.

ENGLISH IV

Grade: 12
Credits: 5
Prerequisites: English I, II, III

Students enrolled in English IV will refine reading skills through the use of analysis, interpretation, comparison/contrast and paraphrase of complex, sophisticated reading selections. Vocabulary development will also be emphasized as preparation for standardized tests for college admission. British literature, emphasizing history and culture from the Anglo-Saxon Period to the Modern Period, is studied. Students will continue to review fictional and non-fictional prose, poetry, critical reviews and vocabulary enrichment. Finally, students will be required to research and write an evaluative research paper on an English literary treatise.

ENGLISH IV HONORS

Grade: 12
Credits: 5
Prerequisites: Final Grade of A or B in English III and Completion of a Summer Reading Assignment

This course includes all the essentials of English IV and introduces students to British and world literature, both contemporary and historical. Students are expected to read difficult selections more critically and in greater depth. Emphasis is placed on research and writing skills. The ability to absorb abstract ideas is strengthened, and reading and writing skills are further developed. There are also reading, discussion and writing experiences, which deal with contemporary issues. Themes, essays and the research paper are taught on a level of complexity commensurate with student ability. The ability to work independently is required.

ADVANCED PLACEMENT ENGLISH (Literature)

Grade: 12
Credits: 5 or 10
Prerequisites:..... Final Grade of A or B in English III
Honors and Completion of a
Summer Reading Assignment

The Advanced Placement English Literature course is specially designed to prepare college-bound students with cognitive studies in progressive, highly developed classical and contemporary literature. The course is aligned with the College Board, and includes a broad selection of literary masterpieces from American, British, and World Literature. Students are required to follow a structured guide, administered by a trained instructor, a provision for the Advanced Placement Examination for Literature. A commitment to take the AP exam in May is required.

ADVANCED PLACEMENT ENGLISH (Language and Composition)

Grade:11 or 12
Credits: 5 or 10
Prerequisites: Final Grade of A or B in
English II or III, Teacher Recommendation

Advanced Placement Language and Composition is a course in effective writing and critical reading. Writing skills are analyzed in a systematic way by studying a variety of prose. Students assess prose writing by examining an author’s use of syntax, articulation, tone, structure, purpose and meaning. Attention will be focused on developing a personal writing style that includes strong persuasive writing skills. Students will analyze writings through close reading drills, and the lessons learned will be transferred to their own writing. Emphasis will be on learning how to select and utilize appropriate aims and modes of writing. This course will use American literature as a base; however, it will require more reading and focused writing than the English Honors course. Students who select this course will be required to complete a summer project. A commitment to take the AP exam in May is required.

LANGUAGE ARTS LITERACY ELECTIVES

PUBLIC SPEAKING

Grade: 11, 12
Credits: 2.5
Prerequisite:None

Public Speaking is a one-semester course offered to Newark’s secondary students as an elective. It encompasses verbal and nonverbal communication skills in formal and informal settings. Students acquire the skills needed to interact with people as effective communicators in a multicultural society. The course content reflects the State Core Course Proficiencies and High School Proficiency Assessment preparation.

A planning guide divides the course content into three major units: the communication process; public speaking; and speaking for a purpose. Activities within these units involve students in meeting social needs, making decisions, developing a positive self-concept, researching and organizing information, and using language effectively. Enrichment units in democratic processes and the performing arts are also included. These enrichment units may be used in English classes to provide additional instruction in group discussion, debate, oral presentation of literature, theatre, radio and television. The curriculum provides for performance assessment.

SOCIAL JUSTICE AND THE MEDIA

Grade: 10, 11, 12
Credits: 5
Prerequisite:None

The major goal of this course is to implement the critical thinking skills that are important in evaluating the power and influence that the media has in our society. By raising student awareness of social inequality, this class will allow students to understand and critically analyze current or past social policies and issues and to comprehend how our decisions have been affected by the Media though technology

JOURNALISM

Grade:11, 12
Credits:2.5
Prerequisite:None

Journalism is a one-semester elective course offered to Newark’s secondary students. It is designed to address the research, writing, and production skills needed for proficiency in newspaper reporting and editing. Students learn about the art of interviewing, writing news and feature stories, reviews, editorials and advertising. Photojournalism, radio and television reporting are included, as well. Information about careers in journalism allows students to explore fields that are introduced in the course. In addition, students are given instruction in newspaper production. They learn about self-organization, copy, leads, headlines, layout design, captions and type. A culminating 6 to 8-page newspaper project reflects the research, writing and production skills learned throughout the year. The variety of writing skills addressed in this course offers students extensive and intensive practice reading and writing narrative, informational, persuasive/argumentative and workplace text.

SAT SKILLS (Critical Reading and Writing)

Grade:10, 11
Credit: 2.5
Prerequisite: English II or III

Students in the tenth or eleventh grade are enrolled in a course of study to prepare for the Scholastic Aptitude Test (SAT). Practice tests, SAT replicas, and facsimiles are administered to students for practice and familiarity with the structure of the test(s). Students are encouraged to assess strengths and weaknesses as an indication of test readiness.

Mathematics

Department Chairperson: Mr. Omar Muhammad

In order to compete in the New Millennium, students need to be empowered with problem-solving and critical thinking skills. The courses designed by the Office of Mathematics increase attention given to real world problems and emphasize students' active involvement in constructing and applying mathematical ideas. Delving deeper into a topic develops the understanding and competence which students need. The mathematics courses below are taught for student understanding, allowing teachers to be flexible, adaptable and creative, which are the three characteristics that are found in effective teachers.

ALGEBRA I

Grade 9
Credits 5
Prerequisites: None

Algebra 1 includes the study of real number properties, solving equations and inequalities, finding solutions to word problems, solving systems of equations, and solving and graphing linear and quadratic equations. Problem-solving techniques are stressed.

HONORS ALGEBRA I

Grade 9
Credits 5
Prerequisites: None

In the Honors Algebra I course, students will investigate the topics of Algebra I (real number properties, solving equations and inequalities, finding solutions to word problems, solving systems of equations, and solving and graphing linear and quadratic equations. problem-solving) in greater depth, with a strong focus on communicating mathematical ideas precisely and clearly.

GEOMETRY

Grade 9, 10
Credits 5
Prerequisites: Algebra 1

Geometry includes the study of plane and three-dimensional figures. Logical thinking is explored through deductive and inductive methods. Topics include the geometry of points, lines, and planes, properties of congruence and similarity, circles and spheres, coordinate geometry, area, and volume.

HONORS GEOMETRY

Grade 9, 10
Credits 5
Prerequisites: Algebra 1 (Final grade of B or better),
Teacher Recommendation

Honors Geometry includes the study of plane and three-dimensional figures. Logical thinking is explored through deductive and inductive methods. Topics include the geometry of points, lines, and planes, properties of congruence and similarity, circles and spheres, coordinate geometry, area, and volume.

ALGEBRA II

Grade 10, 11
Credits 5
Prerequisites: Algebra 1, Geometry

Algebra 2 expands the study of algebra to include complex numbers, quadratics, conic sections and logarithms. Topics include the study of linear, quadratic, polynomial, exponential and logarithmic functions, each integrating technology and real world applications.

HONORS ALGEBRA II

Grade 10, 11
Credits 5
Prerequisites: Algebra 1, Geometry (Final grade of B or better),
Teacher Recommendation

Honors Algebra 2 expands the study of algebra to include complex numbers, quadratics, conic sections and logarithms. Topics include the study of linear, quadratic, polynomial, exponential and logarithmic functions, each integrating technology and real world applications.

PRECALCULUS

Grade 11, 12
Credits 5
Prerequisites: Algebra 1, Geometry, Algebra 2

Precalculus includes polynomial, exponential, logarithmic, rational and trigonometric functions: expressed numerically, graphically, algebraically and analytically. Emphasis in the trigonometry portion of the course includes analysis and graphic interpretation of the six trigonometric functions. Series, sequences, conic sections and their applications are developed and applied. Limits of continuous functions are defined and applied as a foundation for calculus.

HONORS PRECALCULUS

Grade 11, 12
Credits 5
Prerequisites: Algebra 1, Geometry, Algebra 2
(Final grade of B or better), Teacher Recommendation

Honors Precalculus includes polynomial, exponential, logarithmic, rational and trigonometric functions: expressed numerically, graphically, algebraically and analytically. Emphasis in the trigonometry portion of the course includes analysis and graphic interpretation of the six trigonometric functions. Series, sequences, conic sections and their applications are developed and applied. Limits of continuous functions are defined and applied as a foundation for calculus.

MATHEMATICS ELECTIVES

MATH APPLICATIONS

Grade 11, 12
Credits 5
Prerequisite: None

Math Applications is designed to equip students with the knowledge and tools that enable them to solve problems beyond those encountered in a traditional classroom. This course allows the student to make connections between mathematics studied in a classroom and the mathematics used in life

SAT SKILLS (MATHEMATICS)

Grade 10, 11
Credits2.5
Prerequisite None

Students in the tenth or eleventh grade are enrolled in a course of study to prepare for the Scholastic Aptitude Test (SAT), which is required for admission to most colleges. Practice tests, SAT replicas and facsimiles are administered to students for practice and familiarity with the structure of the test(s). Students are encouraged to assess strengths and weaknesses as indicators of test readiness.

PROBABILITY AND STATISTICS

Grade11, 12
Credits2.5
PrerequisitesAlgebra 1, Geometry

Probability and Statistics is a one-semester course, in which students will learn: methods of gathering, organizing, and describing statistical data; the underlying principles of probability and their importance to the study of statistics; and the interpretation and analysis of statistical data. The focus of this course is directed to the concepts and applications of probability and statistics. Students are encouraged to use calculators and computers to facilitate computational processes.

DISCRETE MATHEMATICS

Grade11, 12
Credits2.5
PrerequisitesAlgebra 1, Geometry

Discrete Mathematics is a one semester college preparatory course, in which students construct models, discover and use algorithms, and relate new concepts to real world applications. Topics include social decision making, graph theory, algorithmic thinking, recursion, and combinatorics.

SCIENCE

Department Chairperson: Mr. Omar Muhammad

The Science Course Offerings are designed to meet the New Jersey Core Curriculum Content Standards and to prepare students for the High School Proficiency Assessment. Additionally, the district offers College Prep, Honors and Advanced Placement levels in the subjects of Biology, Chemistry and Physics. Elective science courses are also offered to address students' specific interests and career aspirations. Lab activities, projects, use of technology and career exploration are integral components of all science courses. Students must complete a minimum of fifteen credits in science on the secondary level. The district strongly encourages all students to take four years of science.

ENVIRONMENTAL SCIENCE

Grade..... 9
Credits..... 5
Prerequisite..... None

This course is for ninth grade students and serves as their introduction to high school science. The foundations of chemistry, physics, geology, meteorology, astronomy and ecology are covered in the course. Active participation and hands-on activities are part of the learning experience. Emphasis is placed on developing critical thinking skills and utilizing the scientific method and other problem-solving methods to learn about the physical nature of the world around us. Students also learn about various careers in the field of science.

HONORS ENVIRONMENTAL SCIENCE

Grade 9
Credits..... 5
Prerequisites..... NJ ASK8 score, Teacher recommendation

This course provides an in-depth study of the foundations and interrelationships of biology, chemistry, physics, geology, meteorology, astronomy and ecology for students who have demonstrated special aptitude in science. Students engage in problem-solving activities and explore career opportunities in the field.

This Honors level course will include a 40% to 50% laboratory experience. Students in this course will be required to do a major long-term inquiry project.

BIOLOGY W/LAB

Grade 10, 12
Credits..... 5 or 7.5
Prerequisites..... Environmental Science, Algebra I

This lab course presents an in-depth exploration of the major themes of life science. The application of the scientific method in exploring the chemical basis of life, molecular biology, genetics and heredity, evolution and origin of life, ecological interactions, and the diversity of life on earth are covered. A full complement of laboratory investigations is an integral part of this course. Students will become proficient in using some of the tools of the biologist. Utilization of technology, laboratory safety practices, and career exploration are integral parts of the course.

HONORS BIOLOGY W/LAB

Grade 10, 12
Credits..... 5 or 7.5
Prerequisites..... Algebra I, Environmental Science,
Teacher Recommendation

This course is offered for those college-bound students whose career plans may focus on the biological sciences. The major units of study in CP biology are covered in greater depth and with more detail. Laboratory experiences are an integral component. More emphasis is placed on the topics of molecular biology, genetics, heredity, and evolution. The development of original research projects and increased use of technology are required. Laboratory safety and career development are infused throughout the course.

This Honors level course will include a 40% to 50% laboratory experience. Students in this course will be required to do a major long-term inquiry project.

CHEMISTRY W/LAB

Grade..... 10, 11, 12
Credits 5 or 7.5
Prerequisites Environmental Science, Algebra I

This course is for the college-bound sophomore, junior or senior who wishes an in-depth exploration of matter and the changes that matter undergoes. This is a laboratory course where students utilize instrumentation and technology to investigate, experiment, and problem-solve while gaining an understanding of major chemistry topics. Career exploration, safety practices, special projects and research are included in this course.

HONORS CHEMISTRY W/LAB

Grade..... 10, 11, 12
Credits 5 or 7.5
Prerequisites Environmental Science, Algebra I

This course is designed for college-bound students whose career plans may involve in-depth knowledge of chemistry. A challenging, problem-based curriculum prepares the student for research projects involving the basic concepts of kinetic, energetic, thermodynamic, nuclear chemistry and electrochemistry.

This Honors level course will include a 40% to 50% laboratory experience. Students in this course will be required to do a major long-term inquiry project.

PHYSICS W/LAB

Grade..... 9, 10, 12
Credits 5 or 7.5
Prerequisites: Environmental Science, Algebra I,
Algebra II, Geometry

This is a college preparatory course in which students investigate the topics of force, motion, energy, heat, light, sound, electricity, magnetism, and nuclear physics. Demonstrations and labs, along with technology application and career exploration, are integral parts of this course.

HONORS PHYSICS

Grade..... 9, 10, 12
Credits 5 or 7.5
Prerequisites..... Environmental Science, Algebra I and II,
Geometry and Teacher Recommendation

This in-depth, rigorous course offers students opportunities to study the behavior of the physical world. Students will learn about mechanics, thermodynamics, electricity and magnetism, waves, optics and modern physics. The course emphasizes the development of reasoning and problem-solving abilities. Students utilize technology for data collection and analysis and apply advanced mathematical concepts, both in the classroom and in the lab, communicating mathematically and scientifically.

This Honors level course will include a 40% to 50% laboratory experience. Students in this course will be required to do a major long-term inquiry project.

ADVANCED PLACEMENT BIOLOGY

Grade12Credits
.....7.5 or 10

Prerequisites.....CP or Honors Biology, Chemistry

This is a fast-paced course, requiring students to spend extensive time and effort in study. The topics necessitate independent study. This is a college level course designed to prepare students for the AP exam. A college text is used and the College Board AP Biology syllabus is followed for the topics and required laboratories. Molecular and cell biology, biochemistry, bio-energy systems, genetics, evolution, plant and animal physiology, ecology and taxonomy are covered. The AP Biology Exam is offered to all students enrolled in the Advanced Placement Biology course.

PHYSICS (PSI)

Grade.....9
Credits......5 or 7.5
Prerequisite.....Enrollment in Algebra I

This special collaborative project with the NJ Department of Education, NJEA-Center for Teaching and Learning and the Newark Public Schools is offered to initiate a Physics First sequence of study for science. It will prepare students to take Physics Advanced Placement courses as a result of pairing Algebra I and Physics during the freshman school year. The curriculum will be comprised of inquiry-based science and applied mathematics. This project’s objectives include increasing student success in algebra and physics during freshmen year, increasing the number of students taking Advanced Placement Physics courses, increasing the number of science teachers, and promoting collaboration between math and science teachers.

SCIENCE ELECTIVES

FORENSIC SCIENCE

Grade..... 11,12
Credits......5
Prerequisite.....Biology, Chemistry, and/or Physics

Forensic Science can be defined as the application of science to law. In criminal cases, forensic scientist are often involved in the search for an examination of physical traces, which might be useful for establishing or excluding an association between someone suspected of committing a crime. Forensic Science presents a way for students to learn science through inquiry and critical thinking skills as well as problem solving, and to explore the path of careers in forensic science. Students use inductive and deductive reasoning in order to apply the scientific method to solve the mysteries before them. Students investigate real-world situations in a classroom setting.

SOCIAL STUDIES

Department Chairperson: Ms. Elizabeth Crespo

THE SECONDARY SOCIAL STUDIES PROGRAM IS DESIGNED TO DEVELOP AND INTEGRATE THE SKILLS NEEDED TO FULLY APPRECIATE, COMPREHEND, AND APPLY KNOWLEDGE FROM HISTORY, GEOGRAPHY, CIVICS, AND ECONOMICS INTO A COMPREHENSIVE INSTRUCTIONAL SEQUENCE. THE OVERALL GOALS OF THE PROGRAM ARE TO PREPARE STUDENTS TO BE ACTIVE, INFORMED, RESPONSIBLE CITIZENS AND CONTRIBUTING MEMBERS OF THEIR COMMUNITIES WHILE EQUIPPING THEM WITH THE INTELLECTUAL TOOLS NEEDED TO EFFECTIVELY COMPETE IN AN INCREASINGLY COMPLEX SOCIETY BY FOSTERING: CIVIC VIRTUE; CONCERN FOR THE DIGNITY AND SELF-WORTH OF THE INDIVIDUAL; AND AN APPRECIATION OF DIVERSITY AMONG PEOPLE. THROUGH AN INQUIRY BASED APPROACH, STUDENTS WILL EXPAND CRITICAL THINKING SKILLS ENABLING THEM TO FUNCTION AS LIFELONG LEARNERS AND TO EXAMINE AND EVALUATE ISSUES OF IMPORTANCE TO ALL AMERICANS

WORLD HISTORY

Grade: 9
Credits: 5
Prerequisite: None

This required survey course follows a chronological and thematic approach that examines major turning points that shaped the modern world, from the late fifteenth century to the present. The course begins with an introduction to the medieval world; this includes in-depth study of selected civilizations in Africa, Asia, Europe, and North America. The course also assesses the contributions of these cultures to the development of Western civilization and modern life. The course then continues with a focus on the exploration of the West, the causes and effects of the Industrial and French Revolutions, imperialism and colonization, World War I, World War II, nationalism among modern nation states, and the issues surrounding conflict and cooperation in the modern era.

Students will develop skills that include note taking, reading analysis, critical thinking and evaluation of primary sources. Students will be required to utilize research skills in completing written, oral and multimedia projects that include the use of primary source materials, technology, and supplemental readings. Students will learn to develop a document supported thesis, as well as cite sources and credit the phrases and ideas of others.

HONORS WORLD HISTORY

Grade: 9
Credits: 5
Prerequisites: NJ ASK8 LAL score and Teacher Recommendation

Honors World History provides a more in-depth study of world history and cultures, requiring additional research projects, critical essays on selected topics, and offering expanded opportunities for analysis of a variety of texts and documents. Students will learn to cite sources and credit the phrases and ideas of others. Students will learn to construct and evaluate arguments using evidence to make plausible arguments, understand competing interpretations through analysis of context and point of view using a wide variety of supplemental readings and sources.

UNITED STATES HISTORY I

Grade: 10
Credits..... 5
Prerequisites None

This required survey course calls for students to study American history from 1585-1900, tracing the political, social, cultural, geographic and economic development of the United States from colonial times to the start of the 20th century. Special attention is given to the establishment of the new nation, its expansion across the continent, sectional problems and reconstruction and the issues raised by industrialization, urbanization and immigration. Multiple perspectives are presented through the eyes, words, deeds and influences of distinct racial, ethnic, gender and social groups. Students will refine skills that include note taking, reading analysis, critical thinking and evaluation of primary sources. Students will be required to utilize research skills in completing projects that include the use of primary source materials, technology, and supplemental readings. Students will learn to develop a document supported thesis, as well as cite

HONORS UNITED STATES HISTORY I

Grade.....10
Credits..... 5
PrerequisitesA grade of "B" or better in World History, entrance exam/ student writing sample, completion of summer requirements, and teacher recommendation.

Honors United States History I provides a more in-depth study of United States history, requiring additional research projects, critical essays on selected topics, and offering expanded opportunities for analysis of a variety of texts and documents. Students will learn to cite sources and credit the phrases and ideas of others. Students will learn to construct and evaluate arguments using evidence to make plausible arguments, understand competing interpretations through analysis of context and point of view using a wide variety of supplemental readings and sources.

UNITED STATES HISTORY II

Grade..... 11
Credits..... 5
Prerequisite United States History I

This required survey course is a continuation of United States History I, focusing on central themes and issues in the development of American society and institutions from the late nineteenth century to present today. The following topics are addressed: industrialization and its effect on American society; the economy; political processes; immigration; urbanization; changing demographics; progressivism and social justice; foreign policy; World Wars I and II and the Cold War; the Great Depression and the New Deal; social movements of the 1960's; the political realignment of the Reagan years and other recent historical events.

Students will refine skills that include note taking, reading analysis, critical thinking and evaluation of primary sources. Students will be required to utilize research skills in completing projects that include the use of primary source materials, technology, and supplemental readings. Students will learn to develop a document supported thesis, as well as cite sources and credit the phrases and ideas of others.

HONORS UNITED STATES HISTORY II

Grade.....11
Credits 5
Prerequisite..... A grade of "B" or better in Social Studies courses, entrance exam/ student writing sample, completion of summer requirements, and teacher recommendation.

Honors United States History II provides a more in-depth study of twentieth century (and early twenty-first century) United States history, requiring additional research projects, critical essays on selected topics, and offering expanded opportunities for analysis of a variety of texts and documents. Students will learn to cite sources and credit the phrases and ideas of others. Students will learn to construct and evaluate arguments using evidence to make plausible arguments, understand competing interpretations through analysis of context and point of view using a wide variety of supplemental readings and sources.

SOCIAL STUDIES ELECTIVES

ADVANCED PLACEMENT UNITED STATES HISTORY

Grade11, 12
Credits5 or 10
Prerequisites.....A grade of “B” or better in Social Studies courses, entrance exam/ student writing sample, interview, completion of summer requirements, and teacher recommendation.

The Advanced Placement United States History course is specifically designed to provide students with the analytical skills and factual knowledge necessary to deal critically with problems and materials in United States History. Students will learn to assess historical materials-their relevance to a given interpretative problem, reliability, and importance-and to weigh the evidence and interpretations presented in historical scholarship. This course will develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format. Additional readings, research oriented projects, and writing assignments are required.

This course is designed to prepare students to participate in the Advanced Placement U.S. History exam in May. Students must sit for the AP exam in order to receive AP credit and GPA weight. A summer assignment is required.

ADVANCED PLACEMENT UNITED STATES GOVERNMENT AND POLITICS

Grade..... 12
Credits..... 5 or 10
Prerequisite.....A grade of “B” or better in Social Studies courses, entrance exam/ student writing sample, interview, completion of summer requirements, and teacher recommendation.

The Advanced Placement Government and Politics course is specifically designed to give students an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples. This course will further develop familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics. Students will become acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes. Students will learn to use specific information to evaluate and critique general propositions about government and politics. The course will provide students with the skills and knowledge to analyze documentary material, statistical tables and graphic evidence.

This course is designed to prepare students to participate in the Advanced Placement Government exam in May. Students must sit for the AP exam in order to receive AP credit and GPA weight. A summer assignment is required

SOCIAL STUDIES ELECTIVES

SOCIOLOGY

Grade..... 10, 11, 12
Credits 2.5 or 5
Prerequisite..... None

This semester course is an introduction to the study of human behavior, with emphasis on human interaction, how groups or societies differ, and the social forces that affect human behavior. Special emphasis is placed on contemporary issues of race relations, gender issues, economic problems, social behavior, crime and delinquency, and mass communications. Research oriented individual and group projects are assigned throughout the course.

FINANCIAL LITERACY

Grade 9, 10, 11, 12
Credits 2.5 or
Prerequisite None

The implementation of the ideas, concepts, knowledge, and skills contained in the Financial Literacy Course will enable students to implement those decision making skills they must apply and use to become wise and knowledgeable consumers, savers, investors, users of credit, money managers, citizens, and members of a global workforce and society.

INTRODUCTION TO SOCIAL JUSTICE

Grade 9, 10, 11, 12
Credits 2.5 or 5 Credits
Prerequisite None

In this course students will examine the extra-judicial concept of fairness that focuses on exposing and ending social inequalities. This course will establish the concept of Social Justice through a critical exploration of classism, racism, sexism, ableism as well as other forms of discrimination and social inequalities. The course will also provide students with the basic model for developing research papers, conducting interviews, and interpreting data from surveys and other sources. The required element for this course will be a Public Display of Learning which can be any social action undertaken by students which shows a thorough understanding of the content by synthesizing a social action and defending it orally or through writing.

HOLOCAUST AND GENOCIDE STUDIES

Grade 11, 12
Credits 5
Prerequisite..... None

This course provides students with an in depth understanding of the European Holocaust and other global Genocides. Themes prevalent in all forms of genocide are examined while students walk away with a sense of humanity and ways to prevent genocides from occurring in the future. Some students will adopt a holocaust survivor and retell their story in 20 years. This is a rigorous elective that focuses on historical thinking skills with an emphasis on examining documents to draw conclusions.

INTRODUCTION TO LAW AND THE LEGAL SYSTEM

Grade 9
Credits 5
Prerequisite None

This introductory course will provide students with a practical understanding of the rule of law, the structure and development of the legal system in the United States, crime, its consequences and punishment, and the administration of justice. Students will be introduced to the process of mock trial. Students will be exposed to a wide range of agencies and professions in law enforcement, private security, corrections, fire and emergency management services. They will also become familiar with how they can build a career in the fields of law and public safety.

CONSTITUTIONAL LAW

Grade 10
Credits 5
Prerequisite Intro to Law

This course is designed for 10th graders that have completed the Intro to Law course. This course provides a practical understanding of Constitutional Law through the use of academic texts, relevant case studies, research materials, moot court and mock trial situations, mock legislative hearings, and other activities designed to foster awareness and engage students on current issues and controversies that impact their daily lives, as well as their entire society. Constitutional Law, a vast field, is the sum of over 200 years of Supreme Court and lower court decisions that have shaped the law of the land. The course concentrates on the rights granted by the Bill of Rights and the subsequent expansion into areas of equal protection and civil liberties.

SOCIAL STUDIES ELECTIVES

LATIN AMERICAN HISTORY

Grade 10, 11, 12
Credits 2.5

Prerequisite World History

This semester course focuses on the history, development and current themes in Latin American political, economic and social life. Students will use diverse sources from historical works, literature and current video and print media to support classroom activities. Research oriented individual and group projects are assigned throughout the course.

AFRICAN AMERICAN HISTORY

Grade 9, 10, 11, 12
..... 2.5

Prerequisite None

This semester course is a comprehensive survey of the history and culture of African Americans from West African roots to 21st century developments. Special emphasis is placed on the role Africa Americans played in shaping our nation and their artistic, cultural, scientific, and literary contributions thereof. In addition to writing analytical and creative papers, students will engage in debates and other forms of performance assessments. Research oriented projects are assigned throughout the course. This course relies on supplemental reading and sources available to teachers on the NJ Amistad Web-Based Curriculum.



WORLD LANGUAGES

Department Chairperson: Ms. Elizabeth Crespo

Fluency in a second language has traditionally been the hallmark of a truly comprehensive liberal arts education. In the new millennium, it has become a critical skill, essential for success in an ever more competitive multicultural and multinational economy. The study of a world language emphasizes the development of real-life communication skills in the target language. It includes an integral cultural component that promotes understanding and appreciation of people, traditions, and customs, both in our lands and within our multicultural Newark communities. Students can experience significant growth in their academic and verbal performances as the acquisition of a new language also serves to expand their understanding of the meaning and function of their first language.

Most colleges require a mingier education in high school. Students who expect to continue their education beyond high school are advised to enroll in additional world language classes beyond the minimum of two years of language study.

FRENCH I

Grade 9
Credits 5
Prerequisite None

This course enables students to begin to acquire communicative proficiency in French, while at the same time, developing an understanding of French speaking cultures. The language is presented within the context of the contemporary French-speaking world and is designed to stress successful communication of meaning. The three modes of communication - interpretive, interpersonal and presentational - as well as cultural activities are interwoven in the presentation and practice of functional expressions, vocabulary and grammar.

FRENCH II

Grade 10
Credits 5
Prerequisite French I or demonstration of equivalent proficiency

This course provides a continuing study of the French language and culture presented within the context of the contemporary French-speaking world. Attainment of communicative proficiency in the three modes of communication – interpretive, interpersonal, and presentational – is emphasized with activities and materials that integrate grammar, vocabulary and culture. This course affords the student an understanding and appreciation of the French-speaking people and their culture.

SPANISH I

Grade 9
Credits... 5
Prerequisite None

This course enables students to begin to acquire communicative proficiency in Spanish, while at the same time developing an understanding of Spanish speaking cultures. The language is presented within the context of the contemporary Spanish-speaking world, and is designed to stress successful communication of meaning. The three modes of communication – interpretive, interpersonal and presentational – as well as cultural activities are interwoven in the presentation and practice of functional expressions, vocabulary and grammar.

SPANISH II

Grade 10
Credits 5
Prerequisite Spanish I or demonstration of equivalent proficiency

This course provides a continuing study of the Spanish language and culture presented within the context of the contemporary Spanish-speaking world. Attainment of communicative proficiency in the three modes of communication – interpretive, interpersonal and presentational – is emphasized with activities and materials that integrate grammar, vocabulary and culture. This course affords the student an understanding and appreciation of the Spanish-speaking people and their culture.

SPANISH III-HONORS

Grade 11
Credits 5
Prerequisite Spanish II or demonstration of equivalent proficiency

This course promotes a continuing study of the Spanish-speaking language and culture presented within the context of the contemporary Spanish-speaking world. At this level students will be provided with the skills they need to create language for communication. This course was designed to develop, reinforce and refine proficiency in listening, speaking, reading and writing within a rich cultural environment. With this course, students will gain a deeper understanding of how the language is structured.

ADVANCED PLACEMENT SPANISH (AP)

Grade 11, 12
Credits 5
Prerequisite Spanish III Honors or demonstration of equivalent proficiency

At this level, students are required to speak, read and write almost exclusively in Spanish. This course is designed to perfect the students' proficiency in all aspects of language communication in preparation for the AP Spanish Language examination. Grammar will be exhaustively reviewed, new vocabulary and idiomatic expressions will be learned, and students will read and analyze selections from literature and other authentic written texts, including books, newspapers and magazine articles. Students will further their ability to integrate their language skills through formal writing and oral presentations that required them to synthesize written, reading, and aural materials. Further aspects of the Spanish culture will be explored.

21st Century Life and Careers (Career and Technical Education)

In order to graduate high school, all students must complete a minimum of five “21st Century Life and Careers” credits. Any of the courses listed below (Sections I and II) will satisfy the 5-credit graduation requirement, **but must be taken during a student’s freshman year in high school.** 21st Century Life and Career courses are designed to include problem-solving, decision making, critical thinking, communication, literacy and numerical skills in an applied context. In addition to satisfying the 5-credit high school graduation requirement, students have the option to receive **Industry Certification** for any of the New Jersey State approved career programs specified below in Section I. To receive the certificate, students must complete all required courses in the sequence listed below. It is advised that students begin career programs in the 9th grade, so that they will be able to earn college credit or partake in an internship in their senior year. Doubling up of courses in a specified program is not recommended, unless where indicated below. Students may not take an upper level course without having taken the prior prerequisites specified

Arts, Audio-Video Technology and Communications

Law and Public Policy

Program:Photographic and Film/Video Technology (Required Courses)

VIDEO PRODUCTION I

Grade.....10 (or is it 9,10)
Credits..... 5
Prerequisite..... None

Students will acquire basic skills in camera usage, studio production and non-linear editing; incorporate and integrate the core curricula to produce video programs both taped and live; and assist in the videotaping of school events and functions.

(Note: p. 45 – formerly Introduction to Video Production, tell George Name change in PS)

VIDEO PRODUCTIONII

Grade..... 10
Credits..... 5
Prerequisite None

Students acquire increased knowledge and sophistication in the production of television programs and technology. This course includes intensive use of television production techniques and facilities, remote shooting, field production and original studio programming. Students will translate the interrelationships of applied and computer sciences as well as communications skills as they pertain to the audio and video production process

COMPUTER APPLICATIONS (Note: It makes no sense for this to be here an elective as it is a pre-requisite for Office Sys I)

Grade 9, 10, 11
Credits 5
Prerequisite..... None

In this course, students will receive a comprehensive overview of the history and the practical and professional use of computers and the Internet and their relevance in today’s society and workplace. Also students will be introduced to internal and peripheral components of the actual computer (hardware and software). Students will also be introduced to various Microsoft Office Suite Applications including Word, Excel, and PowerPoint.

DESKTOP PUBLISHING I

Grade 10, 11, 12
Credits 5
Prerequisite..... Computer Applications

In this course, students produce newsletters and brochures electronically by importing text and graphics. Using their creativity, students generate professional-quality materials. Students will become proficient in Adobe PageMaker. They will also have the opportunity to use a scanner and digital camera. Clip art and paint programs are available for students to enhance the effectiveness of their publications.

INTRODUCTION TO LAW AND THE LEGAL SYSTEM

Grade..... 9
Credits 5
Prerequisite..... None

This introductory course will provide students with a practical understanding of the rule of law, the structure and development of the legal system in the United States, crime, its consequences and punishment, and the administration of justice. Students will be introduced to the process of mock trial. Students will be exposed to a wide range of agencies and professions in law enforcement, private security, corrections, fire and emergency management services. They will also become familiar with how they can build a career in the fields of law and public safety.

CONSTITUTIONAL LAW

Grade 10
Credits..... 5
Prerequisite Intro to Law

This course is designed for 10th graders that have completed the Intro to Law course. This course provides a practical understanding of Constitutional Law through the use of academic texts, relevant case studies, research materials, moot court and mock trial situations, mock legislative hearings, and other activities designed to foster awareness and engage students on current issues and controversies that impact their daily lives, as well as their entire society. Constitutional Law, a vast field, is the sum of over 200 years of Supreme Court and lower court decisions that have shaped the law of the land. The course concentrates on the rights granted by the Bill of Rights and the subsequent expansion into areas of equal protection and civil liberties.

21st Century Career Electives

HEALTH SCIENCES

INTRODUCTION TO PUBLIC HEALTH – Note: This course will be part of a Public Health Pathway SY2010-2011

Grade10-12
Credits..... .5
PrerequisiteNone

Public Health is the science of protecting and improving the health of communities through education, promotion of healthy lifestyles and research for disease and injury prevention. Public health professionals analyze the effect on health of genetics, personal choice and the environment in order to develop programs that protect the health of your family and community. Students learn how government actions, access (and lack of access) to health care, communication, education and funding all factor into the spread, treatment and prevention of disease. Course work covers epidemiology, preventive medicine, health economics and health ethics.

INTRODUCTION TO EPIDEMIOLOGY – Note: This course will be part of a Public Health Pathway SY2010-2011

Grade11, 12
Credits 5
Prerequisite Introduction to Public Health

Students learn that the causes of health and disease are discoverable by systematically and rigorously identifying their patterns in populations, formulating causal hypotheses and testing those hypotheses by making group comparisons. Epidemiology is the basic science of public health, a discipline responsible for improving health and preventing disease in populations.

Essex County Community College Courses

COLLEGE COMPOSITION I – ENG 101

Grade.....10, 11
Credits..... 5
Prerequisite....."C" or better in English I

Expository writing is taught through principles of rhetoric, mechanics and style. Critical thinking is developed through analysis and discussion of selected essays. Introductory library procedures are taught.

EFFECTIVE SPEECH – ENG 109

Grade..... 11, 12
Credits.....2.5 or 5
Prerequisite..... Teacher Recommendation

This course covers the basic elements of oral communication. Students are required to prepare and present several brief speeches with emphasis on content, organization and delivery.

INTRODUCTORY ALGEBRA – MATH 086

Grade.....10, 11
Credits..... 5
Prerequisite..... Teacher Recommendation

The beginning mathematics course is designed to take students from concrete arithmetic ideas to the more abstract algebraic forms of these ideas. Throughout the course, emphasis is placed on the development of arithmetic and algebraic skills, and the application of these skills and concepts to the solution of practical problems. Topics covered include simplifying arithmetic and algebraic expressions, fractions, decimals, estimations, geometric applications, percents, and signed numbers.

INTRODUCTORY COLLEGE MATHEMATICS –

Math 100

Grade..... 11, 12
Credits 5
Prerequisites "C" or Better in Algebra I,
Teacher Recommendation

Special products, factoring and other operations on polynomials, rational expressions and radical expressions are covered. This course also includes solving linear equations, linear systems, literal equations, quadratic equations and graphical solutions, integral and rational exponents and scientific notation. Students are also introduced to analytic geometry including lines, circles, parabolas and ellipses. Diverse applications are emphasized throughout the course.

AFRICAN AMERICAN HISTORY I – HST 121

Grade..... .11, 12
Credits 5
Prerequisite..... English I, II

This course is an introduction to the African-American historical experience from the 1440's to 1865, beginning with West African societies and their relations with European explorers and traders. It concludes with the end of slavery in the United States. Students explore the economic, social, political, intellectual and psychological dynamics of African, Caribbean and African-American life and the intra- and interracial relations.

HISTORY OF AFRICAN-AMERICAN FILM – CIN 103

Grade.....10, 11, 12
Credits......5
Prerequisite....."C" or better in English I

This is an introductory course designed to acquaint students with the history of African-American film and to develop in them a greater understanding and appreciation of African-American film history. The course develops chronologically, starting with the inventors and African-American film pioneers, and ending with the resurgence of African-American films in the 1980s. Much of the course content is analyses of theories, Film facts and people.

COLLEGE/UNIVERSITY COURSES

American History High School has entered into partnerships with local colleges, which offer a wide variety of courses to high school students. Many courses are aligned with career pathways; some courses enable students to earn college credits; and all courses provide students with challenging content in a college setting. These college partnerships comply with the New Jersey Department of Education's initiative to encourage high school students to enroll early in college courses.

Enrollment in these courses is contingent upon availability, teacher recommendation and/or satisfactory completion of prerequisite courses.

Participating colleges are:

- *Essex County Community College (www.essex.edu)*
- *Rutgers University (www.rutgers.edu)*