

HIGH SCHOOL PROGRAM OF STUDIES

Midland Park High School



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ACADEMIC PLANNING SHEET

<i>GRADE 9</i>	<i>GRADE 10</i>	<i>GRADE 11</i>	<i>GRADE 12</i>
English	English	English	English
P.E./Health	P.E./Health	P.E./Health	P.E./Health
Mathematics	Mathematics	Mathematics	<i>Elective:</i>
Biology	Chemistry	Physics	<i>Elective:</i>
History	History	History	<i>Elective:</i>
World Lang.	<i>Elective:</i>	<i>Elective:</i>	<i>Elective:</i>
<i>Elective:</i>	<i>Elective:</i>	<i>Elective:</i>	<i>Elective:</i>

* Students must carry 34 credits each year.

ENGLISH

English I Honors

The study of ninth grade English Honors will follow the students' accomplishments in grade 8. This challenging course introduces the student to great classics of World Literature, including *The Epic of Gilgamesh*, Shakespeare's *The Merchant of Venice* and Ibsen's *A Doll's House*. The students will write multi-paragraph essays weekly and become more proficient in spelling, grammar, vocabulary, and sentence structure. English I Honors students write research papers and frequently coordinate assignments with World History Honors.

English I CP

The study of ninth grade English I CP will follow the students' accomplishments in grade 8. The literature available to the teacher is designed to be a varied and appropriate challenge to the student from the standpoint of readability as well as interest. Ninth grade literature includes a study of Holocaust literature, Shakespeare, and *To Kill a Mockingbird*. The students will write multi-paragraph essays and a research paper. They will become more proficient in spelling, uses of grammar, use of new vocabulary and sentence structure.

English I CPC

The study of English I will follow the students' accomplishments in grade 8. The literature available to the teacher is designed to be a varied and appropriate challenge to the students, from the standpoint of level of readability as well as interest. The students will write multi-paragraph essays and a research paper. They will become more proficient in spelling, uses of grammar, use of new vocabulary, and sentence structure. Emphasis will be placed on real life application of skills.

English II Honors

Honors English at the tenth grade level continues the foundation for the academically accelerated program offered in the Honors English sequence. Students will be introduced to the objective analysis of theme and structure in literature in order to develop their understanding and appreciation of outstanding literary works. Regular writing assignments will focus on the clear and thoughtful development of ideas and stress paragraph/theme structure. Viewing language as a primary tool for effective communication, the students will increase their knowledge and command of English through vocabulary and grammar study. To provide them for the foundation needed for the AP Literature track, students will begin an intensive focus on poetry and literary elements.

English II CP

The study of English CP on the tenth grade level will be based on the foundation learned in grade 9. The literature studied will afford the student numerous opportunities for introspection and self-development. English on the tenth grade level will emphasize the evolution of early American literature. The literature available will correspond to the particular period taught in tenth grade history: Colonial Period, Revolutionary Period, American Romanticism, Rise of Realism and Civil War.

The students will write compositions of varying types and lengths on a weekly basis. In addition, students will be expected to submit an original research paper, accomplished under the guidance of the teacher. Students will increase their vocabulary usage and master most of the problems in writing that they confronted in the past.

English II CPC

The study of English 10 will be based on the foundation learned in grade 9. The literature studied will afford the students numerous opportunities for introspection for self-development and be on a level with the students' reading ability. The literature studied will generally correspond with the particular period taught in U.S. History: Colonial Period, Revolutionary Period, American Romanticism, Rise of Realism and Civil War. The students will write paragraphs and multi-paragraph compositions on a regular basis. These compositions will emphasize critical analysis and the use of support skills for the students to develop. They will be expected to increase their useful vocabulary through regular study and to master many of the problems in writing that they confronted in the past. Emphasis will be placed on real-life connections and application of skills.

English III Honors

The emphasis in English 11 Honors is on developing skills in critical thinking, literary criticism, and clear, coherent oral and written expression. The readings focus on American literature, where ideas and themes are viewed in a humanities perspective integrating history and culture around the concept of Establishing Identity. The students will critically evaluate poetry and literature, providing them with a solid foundation for the rigors of the Advanced Placement test. Fundamental dilemmas such as the human condition and the nature of human knowledge will be explored, providing a focus for discussion and unity to the course of study. Heavy emphasis is placed on writing.

English III CP

The study of English CP on the eleventh grade level will follow the students' accomplishments in grade 10. The literature is organized chronologically around the major movements in American literature and incorporates U.S. history and culture, stressing the connection between history and literature and addressing the year-long concept of Establishing Identity. The students will write compositions which are complex in structure and develop thesis statements in a multi-paragraph format. They will continue to perfect the art of writing and eliminate errors in mechanics and punctuation in a wide range of writing assignments. They will strive to develop a personal style.

English III CPC

A year-long course in which the study of English III will follow the student's accomplishments in English II, placing the emphasis on remediation, and aligning with the information covered in U. S. History II CPC. The literature utilized in this course will follow the same curriculum as English III CP, but students with reading difficulties will use guidebooks and parallel texts. The students will write compositions that are complex in structure and develop thesis statements in a multi-paragraph format. They will continue to perfect their art and eliminate errors in spelling, grammar, sentence structure and meaning. Emphasis will be placed on real life application of skills. Emphasis will also be placed on HSPA preparation and review.

English IV Advanced Placement

The Advanced Placement course in English IV is designed for selected academically able twelfth grade students who are capable of pursuing college level work in English during their final year in high school. This is an intense and rigorously demanding course of study which requires students to take the AP exam in May. The curriculum is designed to provide a solid foundation in world literature and composition. Performances and evaluations in the course are separate and apart from the AP score. AP English has three major goals: (1) to increase students awareness of and exposure to the broad scope of great literature, (2) to guide the students in methods of literary analysis so that they may better explore and appreciate the wealth of knowledge contained therein, and (3) to improve students' thinking and writing skills and techniques so they may communicate their ideas more effectively.

English IV CP

The study of English on the twelfth grade level will follow the students' accomplishments in grade 11. The literature studied is designed to be an appropriate challenge to the student from the standpoint of readability as well as interest. The literature covered will be selected from world literature with a concentration on British/Irish writers and focus on the important literary elements of each period. The students will write paragraphs and multi-paragraph compositions on a regular basis. These compositions will emphasize critical analysis and the use of support as skills for the students to master. The students will continue in the elimination of errors in spelling, grammar, sentence structure and meaning and continue to improve the important art of careful proofreading and revision. Students will also increase their vocabulary usage on a weekly basis.

English IV CPC

The study of English 12 will follow the students' accomplishments in grade 11, placing the emphasis on mastering skills needed for work beyond high school. The literature covered will be selected from world literature but with a concentration on British/Irish writers, with appropriate modifications being made to meet students' abilities. The course will provide regular writing assignments and grammar review. Compositions will be complex with an emphasis on the development of thesis statements and the use of support.

Creative Writing- One Semester

Students will be taught procedures and techniques in the various genres and sub-genres of creative writing. They will gain practice in writing poems, one act plays, short stories, and creative essays. They will be taught techniques of revi-

sion.

Theatre Arts- One Semester

In the semester course, elements of live theatre will be learned and utilized. The course is composed of four components:

Component I: Voice, Speech, and Movement

Students will concentrate on oral interpretation and freeing the voice, with special attention to relaxation, resonance and clarity of speech. Emphasis will be placed on expressing the sense of the written word orally. Regional and cultural accents will be discussed and attempted. Students will also learn that the body is a tool for the actor through exercised such as pantomime and dance.

Component II: Acting, Writing, and Directing for the Stage

An overview of the areas from dramatic play through participatory theatre examines philosophical and theoretical elements. Students focus on improvisation, theatre games, and warm-up exercises for imagination stimulation. Students will also write, perform, and direct scenes, skits, and one act plays.

Component III: Costume and Make Up Design

A study of the principles of costume and make up design will be studied with an emphasis on fundamentals of composition and the elements of design.

Component IV: Basic Stage Craft and Lighting

An introduction to the elements and fundamentals of design in the theatre, covering aspects of color, mass, shape, form and line and how they relate to the creation of design in scenery, lighting and stage properties.

Film and Literature- One Semester

Students will learn how to read a film in much the same way they have learned to read literature. They will examine how meanings are conveyed through the use of various film techniques. A correlation between specific pieces of literature and the films made from those pieces of literature will be explored. Students will examine how a director uses various techniques to communicate an author's worded images.

Journalism

In this course, students will acquire knowledge of journalism: the writing of news, editing news and writing headlines, preparing copy for print, journalism law and ethics, broadcast vs. print news. Students will also examine the mass media and its influence. In addition, students will be expected to learn about the reporter, the specialists, and also times and trends of journalism. The course will incorporate working on the school newspaper and studying local papers.

Shakespeare in Performance

The study of Shakespeare in Performance will enable the student to comprehend three Shakespearean plays thoroughly, analyze particular scenes within each play for theme and plot, and, after viewing several different performances of each play, evaluate the similarities and differences among the performances. Emphasis will be placed on the individualized elements of the directorial choices that can cause disparity between otherwise similar productions. The continued relevance of these 400-year-old plays to modern audiences is heavily emphasized. The students will be exposed to various recorded performances of Shakespearean plays and films.

Presentation Skills

This year-long course will educate students in the development of communication and information literacy skills necessary for success in the Information Age. The course is broken into four components that act as the building blocks for student-driven success in all courses at Midland Park High School. It effectively will provide a firm foundation for the skills necessary to create presentations, projects, essays and research papers for all courses. It also provides a set standard of research practices that are based upon the Modern Language Association (MLA). This course will continually evolve, as we strive to meet the changing skills of our students. The four components are: Oral Interpretation, Dramatic Reading, and Public Speaking, Integrated Technology and Internet Literacy Skills, and Research Skills.

Broadcasting I

This yearlong course will explore the many aspects of communication through broadcasting. The course is composed of three components:

Component I: Live Broadcast Instruction and Creation

This portion of the course is where an informational television program gets created and produced. A daily program will be aired on MPTV. Students in this course must participate in both on and off camera positions.

Component II: Taped Broadcast Instruction and Creation

Students will make him or herself available to film outside of class and create pre-taped broadcasts.

Component III: Topical Broadcast Issues and Analysis

We live in an ever-changing Broadcast environment. Companies are ever changing, and programming is now, more than ever, dependent upon advertising.

Broadcasting II

This yearlong course meeting during Period Zero will explore many aspects of communication through broadcasting will be learned and utilized. The course is composed of three components:

Component I: Live Broadcast Instruction and Creation

This portion of the course is where the early morning television program gets created and produced. A daily thirty-minute news and information program will be aired live on MPTV. In order to ensure that all participants of this course learn all aspects of producing a show, class members will rotate on all positions on a weekly basis. Students in this course must participate in both on and off camera positions.

Component II: Taped Broadcast Instruction and Creation

Students will make him or herself available to film outside of class and create pre-taped broadcasts.

Component III: Topical Broadcast Issues and Analysis

We live in an ever-changing Broadcast environment. Companies are ever changing, and programming is now, more than ever, dependent upon advertising.

Great Books

This course will survey selected literary masterpieces with the purpose of helping students identify exactly what qualities make literature great and enhancing their enjoyment of the classics, by studying the themes and discussing their influences in society. Reading in and out of class, discussion, writing and films will be used to support understanding of the great books of the world.

SOCIAL STUDIES

World History Honors

World History Honors is designed to introduce Advanced Placement skills to students. Through the curriculum beginning with Absolutism and ending with current history, students will emphasize how the foundation for global interdependence was formed. Students will study economics, politics, culture, and history of eras to develop and improve critical thinking skills, analytical skills, interpretive and language art skills.

World History CP

World History is designed to provide an in-depth understanding of the political, social and economic developments from Absolutism to current day. Students will participate in a variety of in class and out of class learning activities designed to develop historical knowledge using primary and secondary sources. Course work will focus on improving social studies skills, critical thinking, cause and effect, and mapping skills.

World History CPC

World History CPC is designed to include a collaborative teacher in order to strengthen basic history skills and to build knowledge of the Age of Absolutism to current day. Using graphic organizers, workbooks, note taking and mapping skills, students will learn the foundations of the 21st century global interdependence.

United States History I Advanced Placement

United States History I AP provides 10th graders with an in-depth understanding of the political, economic, and social development of United States history from the Colonial Period to the end of the 19th Century. Note taking, historiogra-

phy, and essay writing techniques and aid the students in developing ability to interpret and analyze historical developments as they deepen their understanding of United States history will be stressed. The students will participate in class discussions and role playing activities. They will also complete projects designed to improve critical thinking, analysis, interpretive and language arts skills.

United States History I CP

This course is designed to provide an in-depth understanding of the political, economic, and social development of the United States History from the Pre-Revolutionary Period to the end of the 19th century (1750-1890). Students will participate in a variety of in-class and out-of-class learning activities designed to develop historical knowledge, cultural understanding, appreciation and respect for diversity, critical and analytical thinking skills.

United States History I CPC

This course is designed to include a collaborative teacher in order to strengthen basic history skills and to build knowledge of the Pre-Revolutionary Period to the end of the 19th century. Students will participate in a variety of in-class and out-of-class learning activities designed to develop historical knowledge, cultural understanding, appreciation and respect for diversity, critical and analytical thinking skills.

United States History II Advanced Placement

Advanced Placement United States History is a college level course designed to prepare the students to take the Advanced Placement Test given by the Educational Testing Service in May. The course will implement knowledge and skills from U. S. History I and integrate literature, art, music, and science from the historical time periods. This course will teach students to go beyond the surface using analytical and factual knowledge of political, social, economic, diplomatic, intellectual and cultural history which is needed to critically deal with materials related to a college level course. The work-intensive curriculum has three important components to achieve mastery of content: (1) extensive reading assignments utilizing text and outside primary and secondary sources, (2) maintenance of a detailed notebook with notes from readings, lectures, and class discussions, and (3) intensive writing assignments to include: document based questions, persuasive essays, reports, cultural analysis, and research.

United States History II CP

United States History II will implement the students' knowledge base and skill levels learned in US History I CP This course is designed to help the 11th graders develop an in-depth understanding of the political, economic, technological, cultural and social development of U. S. History from the end of the 19th century to the present. The course closely parallels and is integrated with the 11th grade English course, linking historical periods with literature representative and reflective of those times. The predominant theme of the year's study is Establishing Identity - a concept integrating the aspects and parameters of identity and how we interact, confront, grow, and change into a world power. Students will participate in a variety of in-class and out -of-class learning activities designed to develop historical knowledge, cultural understanding, appreciation and respect for diversity, critical and analytical thinking skills and an ability to incorporate this learning with that acquired in English and other humanities.

United States History II CPC

U.S. History II CPC is designed to include a collaborative teacher in order to strengthen history skills and build knowledge from the end of the 19th century to the present. Using graphic organizers, workbooks, note-taking and mapping skills, students will learn how the United States grew into a world power.

Holocaust Studies and Human Behavior

This class is designed to examine human behavior using the Holocaust as the major case study. The course begins with a brief look at the topic of human nature including how we view ourselves, how we view others, and how past philosophers examined the topic. The course will then focus more narrowly on the Holocaust. Along with a brief history of Germany, the students will examine the climate of early 20th century Germany and determine why the Holocaust happened, as well as why the German people not only allowed Hitler to rise to power, but also welcomed him. An in depth study will examine all aspects of the specific time period 1933-1945. The final course of study will be to determine what lessons students can learn from the Holocaust today. Other genocides and acts of prejudicial aggression of the 20th and 21st centuries will also be introduced.

Sociology

Students will study the characteristics of human beings and their relationships in an attempt to better understand human behavior in today's society. Using a scientific and sociological approach, the teacher will make clear that the study of human relationships is affected by the environment in which they develop. A cross section of sociological theories will be presented in which students will understand the role of adolescence and how to achieve self acceptance. Students will evaluate this information and form their own opinions as to the validity of the research in terms of their own life experiences. In addition to a solid academic background, students will also be provided with the opportunity for personal growth. Through a variety of structured personal growth exercises, assignments and discussions, students will develop a better knowledge, insight, and acceptance of themselves.

Current World Affairs- One Semester

This course is designed to encompass contemporary developments in all fields of human knowledge. A study of contemporary affairs not only integrates the past with the present, but reveals the relationship of specific events to the larger contemporary scene.

American Government- One Semester

This course is designed to expand students understanding of the working of American Government. Students will study the philosophical bases, structure and application of our democratic system.

Economics - One Semester

The purpose of this course is to provide students with a basic understanding of economic concepts and principles. Using an analytical approach, students will learn how economic systems in general and the American economy specifically function. Students will develop problem-solving and decision-making skills in order to apply economic concepts to real life economic situations. Upon completion of this introductory course, students should be able to make better decisions regarding the use of resources available to themselves and to society. Through individual research, simulations, role-playing and critical thinking exercises, students will participate in experiences designed to increase their mastery of economics.

United States Government and Politics: Advanced Placement

Advanced Placement Government and Politics is a course designed to give students a working knowledge of the world of politics and government as well as to prepare the student for the Advanced Placement exam. The teacher will stress historiography and essay writing techniques to aid the students in gaining understanding and expressing that understanding of the various systems studied. The students will participate in class discussions and/or role playing activities. They will also complete projects designed to improve critical thinking, analytical, interpretive and language arts skills.

Senior Seminar

The Senior Seminar is designed to teach college level skills using liberal studies. Students will learn time management skills, independent research and intensive writing skills in the fields of economics, sociology, literature, art, music. Primary and secondary sources will be used to study individualized topics.

American Foreign Policy

This course provides students with a basic understanding of foreign policy concepts and issues. Through an analytical, problem solving approach, students will learn the forces involved in the formation of American foreign policy. Using decision making skills, students will formulate foreign policy goals, alternative options and predict possible consequences for each alternative. The course will emphasize current case studies, focusing on issues the U.S. currently faces. It is to these issues that students will apply their acquired decision making and problem solving skills.

MATHEMATICS

Algebra I CP

This is a fundamental course in algebra. Areas of concentration include equations, number systems, the language of algebra, algebraic expressions, relations, functions, and graphing.

Algebra I CPC

This is a fundamental course in algebra taught by a content area teacher and collaborative special education teacher. Areas of concentration include equations, number systems, the language of algebra, algebraic expressions, relations, functions, and graphing.

Geometry Honors

This course will cover the geometry course curriculum in depth, as well as other more advanced topics in geometry. The regular geometry curriculum consists of the development of the Euclidean system of postulates, definitions, and theorems, which are utilized to deductively prove geometric ideas and algebraic applications of geometric theory. Besides these topics, Geometry Honors will delve deeper into proof. Students will be expected to prove new theorems independently and perceive all concepts in a formal, logical manner. They will be expected to apply these concepts to problem solving. Additional topics such as transformations and trigonometry will also be covered.

Geometry CP

This course is a study of geometry. The Euclidean system will be developed over the majority of the year's work with attention to the relationships between postulates, theorems, definitions and the nature of proof based on deductive reasoning. Geometric constructions will comprise an integral part of each unit covered, reinforcing the concepts of that unit in a visual way. Review of algebraic topics will occur periodically during the course in a way that relates the writing and solving of an equation to the geometric principles currently being covered. Late in the course, some non-Euclidean approaches may be covered, time permitting. The students will do written assignments on a daily basis. They will progress in their ability to develop and write a formal proof. Their proficiency will increase in the skills of geometric constructions as well as problem solving through the use of algebra and deductive reasoning.

Geometry CPC

This course is taught by a content area teacher and collaborative special education teacher. The course content is the same as Geometry CP with an emphasis on "hands on" activities

Algebra II Honors

The Algebra II Honors course is a study of second year algebra. The course will move from linear expressions and equations to systems of the same. Quadratic equations and expressions will be covered from factoring and solving through complex numbers. Also covered will be polynomials and fractional exponents. Additional topics such as conic sections or logarithmic and exponential functions may also be covered at the discretion of the teacher. Student proficiency will also increase in using algebraic reasoning to solve other kinds of problems and in representing these ideas graphically.

Algebra II CP

Algebra II CP is an intermediate level mathematics course which introduces the students to some of the more difficult

aspects of algebra. Areas of concentration will be coordinate geometry, fractional equations, functions, roots and powers, complex numbers, and logarithmic equations. Each unit will include practice in the application of the theory taught and verbal problem solving.

Algebra II CPC

This is a fundamental course in algebra taught by a content area teacher and collaborative special education teacher. This course introduces the students to some of the more difficult aspects of algebra. Areas of concentration include coordinate geometry, fractional equations, functions, roots and powers and complex numbers. Each unit will include practice in the application of the theory and verbal problem solving.

Pre-Calculus Honors

As with the Pre-Calculus CP course, this course is divided into two sections: one semester of trigonometry and a second semester which includes topics in advanced algebra, analytic geometry, sequence and series, and probability. This course is a preparation for the AP Calculus course.

Pre-Calculus CP

The Pre-Calculus CP course is divided into two sections: one semester of trigonometry and a second semester which includes topics in advanced algebra, analytic geometry, sequence and series, and probability.

Calculus Honors

This is a course in Calculus intended for students who have a thorough knowledge of analytic geometry, algebra, geometry, and trigonometry, and elementary functions in addition to all college preparatory mathematics topics.

Calculus Advanced Placement

This course deals with calculus and follows the curriculum recommended for the Advanced Placement Test in calculus.

Discrete Math

This course focuses on: Data Analysis, Probability and Discrete Math. A review of prior math including Algebra and Geometry is included to ensure that all students enrolled have the math foundation needed for the course. The review also serves as an SAT review. The course includes the mathematics of making social decisions, management methodology, collecting and using data, and making projections of future trends. In line with its objectives, the approach of this course will be problem solving and applications, with students encouraged to make conjectures about method of solution and possible solutions. Students will have use of graphing calculators or computer software to enable them to test their conjectures. This course will make students knowledgeable in a variety of techniques for approaching and solving problems; they will develop the ability to apply these techniques to new problems. Group work will be encouraged to increase the ability to work with others. Finally, students understanding of the use and value of mathematics beyond the classroom will be strengthened as they apply mathematical knowledge/ability in other content areas through application projects.

SCIENCE

Advanced Placement Biology

This is a college level course in biology. Prerequisite is successful completion of a year of high school chemistry with a grade of B or better. It is a rigorous course with an integral laboratory component consisting of a minimum of 12 laboratory investigations. The emphasis is placed on developing understanding of major biological concepts with a de-emphasis on accumulating and memorizing facts. Students are led from individual facts in topics such as Bio-Chemistry, Cells, Energetics, Molecular Genetics, Evolution, Organisms and Populations, Structure and Function of Organisms, and Ecology to an appreciation and connection of 8 broad unifying themes in biology: Science as Process, Evolution, Energy Transfer, Continuity and Change, Relationship of Structure and Function, Regulation, Interdependence in Nature, and Science, Technology and Society.

Biology Honors

This honors course is offered to students who have shown excellence in their middle school science and mathematics courses. The unity and diversity among organisms is explored. Life is analyzed mainly from the molecular and cellular levels. Laboratory investigations promote scientific inquiry and are an integral part of the learning process. Students are expected to independently complete an enrichment project each marking period.

Biology CP

This biological survey course explores the characteristics and interdependence among all life forms. It includes the study of such topics as bio-chemistry, the cell, heredity, evolution and ecology. Laboratory activities enhance the understanding of biological concepts and develop skills of the scientist. Students record, analyze and apply their understanding of data collected as biological concepts are related to students' lives.

Biology for Life

This course is designed to teach the students the principles of life science and how they apply to their daily lives. The students will explore the different kinds of life, the kingdoms that exist, body systems maintaining and controlling life, traits of living things including genetics, and relationships in the environment. Lab investigations, data analysis, projects and research further the student's knowledge and critical thinking skills.

Advanced Placement Chemistry

This is a college level course. Prerequisites include either Chemistry H or Chemistry CP and at least Algebra II. It is designed for those students who wish to pursue a fuller study of the subject. Students entering this course of study have a keen interest in the sciences and mathematics and wish to develop a strong chemistry background in preparation for studies on the college level. Following review of the chemistry course, the students are guided through an in-depth study of chemical reactions, including types, Arrhenius, Bronsted-Lowry and Lewis theories of acids and bases; precipitation and REDOX reactions. Stoichiometry, chemical and physical dynamic equilibrium, law of mass action, thermodynamics, solubility products, equilibrium constants, rates of reaction order, temperature changes and effects, activation energy and mechanism as a reaction are covered. The course also includes descriptive chemistry as related to the periodic table, organic chemistry, and structural isomerism. Students are expected to demonstrate their chemical knowledge in laboratory activities.

Chemistry Honors

This course is aimed at the student who has already demonstrated interest and proficiency in science and math. Students are taught intellectual skills which are needed to address the problems they will encounter as adults. Topics studied include the periodic table, the mole concept, bonding, solutions, equilibrium, gas laws, reactions rates, thermodynamics and phase changes of matter. Laboratory experiences are used to illustrate each topic studied.

Chemistry CP

The chemistry course is designed to prepare students for college work in science and related fields. Basic skills of chemical knowledge, dimensional analysis, problem solving, laboratory work, communication skills, and applied mathematics are utilized during the learning of the mole concept, chemical reactions, gas laws, composition of the atom, nuclear chemistry, periodic table, chemical bonding phases of matter, solutions, thermodynamics, reaction rates

and equilibrium.

Chemistry in the Community

Chemistry in the Community is a course designed to apply chemistry to everyday events. The basic concepts of atomic theory, bonding, chemical reactions, solutions, and acid/base reactions are explored. The second semester explores chemistry in the home and environment. Areas explored include water, pollution, polymers, and the chemistry of household products.

Physics Honors

Physics Honors is a course that deals with the study of kinematics, universal gravitation, sound, light, electricity, and magnetism. It is highly mathematical in nature and is recommended for those who have successfully completed Chemistry 10-H and Algebra II. Laboratory activities and demonstrations are used extensively to illustrate the concepts being studied.

Physics CP

Physics CP is a course that deals with the study of kinematics, universal gravitation, sound, light, electricity, and magnetism. This course gives the student a broad view of the general topics in physics. While this course is conceptual in nature, the student is expected to use math skills to explain the topics studied. Laboratory activities and demonstrations are used extensively to illustrate concept being studied.

Environmental Science

This course gives students a foundation to understand various ecological issues and develop an environmental consciousness. This foundation will be based on environmental principles and an understanding of humankind's effects on the environment. Each student will be responsible for applying this knowledge by designing a project and carrying it to fruition.

Environmental Science Honors

This course covers many aspects of the environment and humankind's interaction with it. It is a course that combines science with social issues and current events. This course will combine traditional classroom and laboratory exercises with field studies whenever relevant. Topics covered include: the local environment, habitat fragmentation and species decline, human predation as a cause of species decline, invasive species and pollution/ climate change. Students are required to keep up with current events through readings in environmental journals, Internet and news. Students will also be responsible for completing various projects relating to the course content.

WORLD LANGUAGES

Spanish I

This course is a high school level introduction to the Spanish language and culture. The students will begin to develop knowledge of how to study a foreign language through speaking, reading, writing, and listening activities. An appreciation for Spanish cultures throughout the world will be encouraged. By the end of the course, the Spanish I students will be able to use the correct grammar structure and expanded vocabulary.

Spanish II

Spanish on the second level is a continuation of beginning Spanish. The students will continue in the development of oral and aural skills and the study of grammar. They will further develop their writing and reading skills. In addition, the students will learn to appreciate the culture of the Spanish speaking world.

Spanish III

The study of Spanish on the third level is an intermediate course that develops oral and aural skills in the classroom. Students will study grammar and further develop their writing skills. In addition, the students will be presented with extensive cultural material on Latin America and Mexico.

Spanish IV Honors

This course is designed to bring the students to the advanced level through a thorough review of the elements of the Spanish language. The culture of the Spanish speaking world will be covered throughout the year with a focus on Spain. The students will attain the objectives through speaking activities, grammar exercises, reading literary selections, writing compositions, researching for projects listening comprehension exercises and class discussions.

Spanish V Honors/Advanced Placement

This college level course prepares for the Advanced Placement test in the Spanish language. The students will acquire the ability to comprehend formal and informal spoken Spanish. They will acquire vocabulary and a grasp of structure to allow the easy, accurate reading of newspaper and magazine articles as well as of modern Hispanic literature, compose expository passages and express ideas orally with accuracy and fluency. Students will also explore various culture topics through research and share findings with the class.

French II

The French II course is the second year of the beginner's level of language study. Through a daily classroom immersion in the French language, the student will gain more vocabulary in a cultural context. New grammatical structures will be introduced with practice exercises to aid in student assimilation of the material. Students will learn to communicate in meaningful and appropriate ways with French speaking people through speaking, listening, reading, and writing. The French II student will ultimately develop an understanding of the practices and perspectives of the culture of many countries around the world. By the end of the course, the French II student will recognize the importance of becoming proficient in a world language and will have the desire to pursue further learning.

French III

This intermediate level course offers the student the opportunity to develop proficiency in French while immersing in the target language. At the same time, it aims to increase the student's knowledge and appreciation of French culture. True competence in a world language cannot be attained without simultaneous development of the awareness of the culture in which the language is spoken. Students will be encouraged to compare and contrast what they learn in order to learn more about themselves and progress towards a mature vision of the world. This course will provide a balanced focus on all four language skills: listening, speaking, reading, and writing. The communicative functions, vocabulary, grammar, and reading selections will be presented in culturally authentic situations and reading taken from contemporary French magazine and newspapers. These students will also be exposed to Francophone literature from a variety of periods. Students will be involved in activities that promote both learning and application of the language, ultimately leading the student to function in many new situations at the intermediate level.

French IV Honors

This course is designed to bring the French student to the advanced level through a thorough review of the elements of the French language vocabulary, idiomatic expressions and grammatical concepts. The advancement will be attained through speaking activities, grammar exercises, reading novels, French newspapers and magazines, writing compositions, listening comprehension exercises and class discussions. In addition, the student will review French history and study cultures throughout the French speaking world.

French V Honors/Advanced Placement

This course will prepare the student for the Advanced Placement French Language Examination through the extensive review of French thematic vocabulary, idiomatic expressions, proverbs and grammar. The student will be expected to be responsible for all regular class work in addition to the Advanced Placement practice exercises. Students will build upon their solid base from French 7-IV to eliminate English structure and common mistakes and eventually, will learn to master the French language. As in previous years, the student will work on listening, speaking, reading and writing the French language. Students will continually refer to French cultures and traditions as they journey through their last year of high school French. Students will be expected to expose themselves to as much spoken and written French as possible: television, films, radio, newspapers, magazines, and the Internet.

PHYSICAL EDUCATION AND HEALTH

Physical Education 9

This course will help students apply the components of health related fitness. Students will synthesize movement concepts and principles and apply them as they practice, assess, and refine movement skills in a variety of physical activities including Project Adventure and large and small group sports.

Physical Education 10

This course will continue to help students to apply the components of health related fitness. A special emphasis will be on the development of skills through seasonal activities and physical fitness. Recreational activities including the acquisition of lifetime game skills will carry over into adult life.

Physical Education 11

The junior level Physical Education course is a broad and varied program with special emphasis on the development of skills through seasonal activities. Most of the participation is built on the skill level learned in Physical Education 10.

Physical Education 12

This course will help develop students who are health literate and physically educated. Students will investigate movement concepts and principles and apply them as they practice, assess, and refine movement skills in a variety of physical activities including Project Adventure games, sports, and lifetime recreational pursuits. Students will comprehend and apply the components of health-related fitness.

Health 9

This course will help students identify and eliminate potentially hazardous conditions in their environment, recognize emergencies and make appropriate decisions for first aid care. This course will also explore injury and illness prevention with a focus on personal safety. Upon completion of this course, students will receive Red Cross Certification for Standard First Aid with CPR and Automated External Defibrillator (AED) for an adult.

Health 10

The study of Driver Education is a mandatory one semester course designed for students enrolled in grade 10. The student will study the mechanics, basic skills and laws of the automobile and the highway system. Rules of the road, yielding the right of way laws, road signs, signals and road markings, handling social pressures, assessing and managing risk and road rage are at the core of the curriculum. Students will also understand how drivers gather, analyze, and evaluate information in order to make proper decisions and the effect of drugs and alcohol on a driver will be discussed. Students will prepare for and complete the New Jersey Division of Motor Vehicles written examination taken at the end of the semester. Examination cards will be issued to the students who attain 80% or higher on the exam.

The second and complementing part of the course, “Behind the Wheel Driver Education,” should be taken by the student through an outside agency such as the Midland Park Adult School. Although “Behind the Wheel Driver Education” is not mandatory, it is encouraged.

Health 11

This course takes an in depth look at family life education taught through a values clarification approach. From birth to death, broad cross sections of family life topics are addressed. The course also meets the state standards regarding alcohol and AIDS education.

Health 12

This course is divided into two units of study. The first unit of study provides students with the knowledge and skills necessary to help sustain life and minimize the consequences of injury or sudden illness until advanced medical help arrives. Upon completion of this course, students will receive Red Cross Certification for Adult, Child, and infant CPR and adult and child Automated External Defibrillator (AED).

FINE ARTS

Art I

Art I is a basic course to introduce the student to the world of art. The fundamentals of drawing, value rendering, composition, and color are stressed using a wide variety of materials and methods. Introduction to printing, subtractive sculpture, and ceramic hand building gives the student a three-dimensional experience as well.

Art II

Drawing upon their fundamental skills in drawing, composition, design and perspective, students are expected to apply their experience to the areas of two-point perspective, watercolor, graphing and figure drawing. Ceramics is further developed with the potter's wheel and students hand letter in calligraphy. Additive sculpture gives a three-dimensional experience and students begin to give their portfolio a professional look by learning basic matting and framing techniques.

Art III

In Art III, students are expected to draw upon their previous knowledge and skills, combine them with creativity, and explore new method, media, and subject areas. Fabrics, fashion, acrylic painting, casting, and etching, combined with traditional drawing skills, silk screening and art history will gear the student toward a professional product that can be used in a portfolio.

Art IV

In Art IV, students are expected to expand their knowledge of painting, sculpture, graphics, drawing and letter in new and creative ways. Oil painting, portraiture, commercial art, scrimshaw, and advanced drawing will be presented interspaced with art history. In addition to the regular curriculum, each Art IV student will choose areas of personal interest and complete an independent study of four to six weeks duration.

Painting- One Semester

In Painting students are expected to develop talent in and enjoyment of the creative arts. Painting is a one semester specialized studio course that will provide interested students with insights and experiences in drawing, design and organization of ideas; manipulating painting tools and media with skill; practicing creative problem solving skills; and expanding the ability to exercise critical judgments.

Ceramics- One Semester

In Ceramics students are expected to develop talent in and enjoyment of the plastic qualities of clay bodies. Ceramics is a one semester specialized studio course that will provide interested students with insights and experience in using the ceramics medium to develop creative thinking, self-expression and craftsmanship. The course provides experience in a variety of construction techniques, firing and glazing.

Digital Photography- One Semester

Using the digital camera, knowledge of composition, and becoming familiar with the programs iPhoto and Photoshop will allow students to take well composed and creative photos. The photos will then be utilized in new graphic ways to produce finished products that can be used personally and commercially. Students are encouraged to use their own personal digital cameras for the course.

Sculpture- One Semester

Using a wide range of methods and media, the student is encouraged to explore the field of three dimensional art work. Both additive and subtractive methods will be covered and students will work with both permanent and elastic materials. Form, tension, line, balance, rhythm, texture, light and shadow, spatial relations, and presentation will be dealt with during this half-year course. Individual sculptors and art movements will be discussed and studied.

Modern Art- One Semester

Students will study the art of the late 19th, 20th and 21st century. Slides, videos and a museum visit will give visual examples of the prominent art of the times. Students will also create art in the styles of the artists and movements studied.

MUSIC

Band 9-12

Students who desire to develop their skills in instrumental music may enroll in band during each year in high school. Band rehearsals are conducted during zero period and for limited periods of time after school, depending on the needs of the organization, but particularly just prior to major concert programs and shows. Membership in the band requires self-discipline with regard to practice, dedication with regard to daily and extra rehearsal sessions, and compliance with the demands of the director with regard to performance standards.

Concert Choir 9-12

Concert Choir is a performance-oriented class for students in grades 9-12. Students will learn secular and sacred choral music of varying styles and time periods. Students will develop and refine vocal techniques through a selected repertoire, which leads to concerts during the academic school year. Attendance is required at the evening rehearsals and at concert performances. Other related tips are scheduled for the purpose of performance and adjudicated experiences. Students in Concert Choir may audition for smaller select vocal ensembles such as Madrigals. At the teacher's discretion, some students are also eligible to audition for Bergen County Chorus. Students enrolled in Concert Choir should be able to match pitch as a course prerequisite. Students in the vocal music program will participate in lessons. Lessons can be for individual students or for small/medium size groups of singers. Students will work on technique, proper vocal production, music for concert, audition material, music for solo performances or anything the teacher deems necessary for the lesson. Students must be in Concert Choir to participate in the vocal lesson program.

Music Theory

Students in Music Theory will earn the basic structure of music including fundamentals of harmony, melody and rhythm with the goal of applying learned concepts to their musicianship skills. Students will also analyze and compose music in a variety of styles, settings, and texture. Students enrolled in Music Theory should be able to read music as a course prerequisite.

TECHNOLOGY

Computer Programming (Visual Basic)

This is an academic course that leads into the AP Computer Science program. Elements of programming language are studied using the Visual Basic computer programming language. Students enrolled in Programming can expect to think at high levels. Though modern applications are not emphasized in this course, students use applications in the programming course. Word processing is done almost daily to prepare programs. Graphic programs are written. Students are exposed to applications to a sufficient extent that it is possible to enroll in the Advanced Applications course in the subsequent year. The thinking skills taught in programming transfer readily to advanced uses of spreadsheets and data bases.

Advanced Computer Programming Honors

This honors course is the second in the AP computer programming sequence. The focus of the course is on the Java Programming language. It is an intellectually challenging course with demanding requirements. Upon completion, students have mastered programming concepts involving data typing; data structures file design, file operations, graphics programming, recursion and algorithms.

AP Computer Programming (Java)

This honors course focuses primarily upon students preparation for the Computer Science AP test. The programming language Java has an “AP Subset”. This subset is completed. It includes dynamic memory allocation and linked data structures. Computer science topics include machine language, internal data representation, microprocessor and memory interface concepts, microprocessor input/output concepts and the Science of Chaos, the new science made possible by computers. If time permits, other popular programming languages are surveyed.

Computer Graphics and Design A- One Semester

Computer Graphics and Design A is a course that is designed to be an introduction to design and desktop publishing on the computer. Students can expect to learn about basic elements of desktop publishing and multimedia design using computer programs to create brochures, newsletters, and a variety of publications that will include photo touch-up, student generated art work, available clip art, spreadsheets, charts and other graphics. Career opportunities will also be discussed.

Computer Graphics and Design B- One Semester

Computer Graphic and Design B is a course in yearbook journalism, covering all aspects of assembling a media publication. Planning, theme, coverage, layout, copywriting, proofreading, editing, typography, photography, copy fitting, and cropping, as well as the business and financial aspects of publishing, will be covered. Students must meet all deadlines for yearbook production throughout the semester.

SPECIAL EDUCATION

Resource Center Program: grades 9 through 12

The resource center program provides classified students individualized as well as small group instruction in the core academic subjects. Instruction is based upon individual goals as stated in the IEPs which are guided by student needs and frame worked around the Core Curriculum Content Standards. The purpose of the program is to assist the youngsters in bridging academic gaps supporting their movement into a less restrictive environment in the future.

Study Skills: grades 9 through 12

This course of study is designed to assist the special education student to have a successful experience in mainstream classes. Students will be taught techniques to improve listening skills, organizational skills, study habits, specific reading and writing skills, note-taking skills, test-taking skills and problem solving skills. Students will have the opportunity to improve vocabulary, concentration and memory. In addition, students will develop a better awareness and understanding of various learning disabilities and how they

affect performance in school. Students will also be taught the skills needed to self advocate in a small group or one-to-one situation. Once the student develops the skills necessary for academic success and/or no longer benefits from the program, then goals of this course have been achieved and the student will transition out of the study skills program.

SPECIAL PROGRAMS

Bergen County Technical High School-Shared Time Program- A.M./P.M. Full Year

The Bergen County Technical High School Paramus Campus provides a shared time program allowing students to experience the best of both educational worlds-academic and technical. Midland Park High School will provide the student with academic classes directed at meeting the New Jersey educational requirements for a high school diploma. At the Bergen County Technical High School Paramus Campus, the student will have the opportunity to work in an advanced technical environment with state of the art equipment and professional direction through a state certified teacher. This combination of academic and technical education will insure the student not only graduates from high school with the academic skills required by the New Jersey State Department of Education but with the skills necessary to enter into today's highly competitive job market. Graduates of the Bergen County Technical High School Paramus Campus historically have been accepted into 2 and 4 year post secondary institutions, entered the job market in the field they have been trained, or have been accepted into the Armed Forces.

Technical Education Programs

Automotive Collision Repair, A.S.E.	Automotive Technology, A.S.E.
General Contracting	Cosmetology/Skin Care
Culinary Arts	Landscaping/Grounds
Visual Graphic Design	Horticulture
Small Engine Repair	Small Animal Care
Electrical Design Laboratory	Information Technology & A+ Certification
Computer Information Business Office Technology	

Academic Courses Available at the Paramus Technical Education Center

A variety of academic courses are available for Shared Time students that meet the graduation requirements of the local sending district but the subjects are not guaranteed. Registration for these courses must be done in writing from the local district.

Option II

Graduation credit can be obtained through an Option II program— an alternative to traditional high school courses and involves in-depth experiences. Option II will provide students with enriching, stimulating and meaningful learning experiences that will enhance student achievement of the New Jersey Core Curriculum Content Standards.

Senior options include, but are not limited to, the following:

School to Work – Students spend part of the day at a paid job and part of the day attending high school.

Career Internship – Students participate in unpaid, structured learning experiences in a career-focused position.

Dual Enrollment – students interested in starting their college careers early enroll in college courses at a local college and attend high school part of the day. The college tuition is the student's responsibility.

Project Acceleration – students enroll in select courses in high school that offer college credit in addition to high school credit. Currently the only course offered through Project Acceleration is the AP Calculus class.

Volunteer Service – students earn high school credit for performing approved community service in a variety of settings and flexible scheduling.

Online Course– Students interested in taking courses not offered at MPHS may pursue a variety of online courses.

Students must complete a Senior Options application that is subject to review and approval by the Senior Options Committee. Recommendation for approval or denial are made to the Principal.

