

broad topics of study, motion and energy. Divided between the Fall and Spring semesters, Newtonian motion encompasses linear and circular motion with such topics as vectors, forces, acceleration, work, momentum, collisions, and equilibrium, while the electromagnetic spectrum of energy is studied from basic waves to sound, light, electricity and then magnetism. Why study physics? For those who are able to solve mathematical puzzles, physics is everywhere and physics is fun. Physicists are versatile and adaptable problem solvers. They work in a wide range of interesting places from subatomic research facilities to NASA. Physicists create, observe, interpret, and predict in settings spanning inner-space, outer-space and cyberspace.

Note: A calculator will be used extensively throughout this course. Calculators are available to use during class. Students are encouraged to purchase a scientific or graphing calculator for work to do at home. Your teacher will inform you as to which calculator to purchase.

SOCIAL STUDIES

WORLD CULTURES (8750) 5 credits Grade 9-11

This course is limited to those students who have an **Individualized Education Program (IEP)** developed with the Child Study Team. World Cultures focuses on allowing all students to acquire the knowledge and skills to think analytically and systematically about how past interactions of people, cultures, and the environment affect issues across time and cultures. Geographic, political, economic and religious aspects of varied cultures from 1450 CE until the present day will be analyzed; such knowledge and skills enhance students' understanding of World History in order to make informed decisions as socially and ethically responsible world citizens in the 21st century. Emphasis will be placed on developing effective strategies for accessing various sources of information and historical evidence, determining their validity and using them to solve a problem. The student's individualized education program will determine the level of instruction and the goals for successful completion of the course.

WORLD CULTURES COLLEGE PREP (6300) 5 credits Grade 9

This course is designed for ninth grade students as the first year course of a three-year social studies requirement. It is for students planning to attend college, technical, or trade school. World Cultures focuses on allowing all students to acquire the knowledge and skills to think analytically and systematically about how past interactions of people, cultures, and the environment affect issues across time and cultures. Geographic, political, economic and religious aspects of varied cultures from 1450 CEBC until the present day will be analyzed; such knowledge and skills enhance students' understanding of World History in order to make informed decisions as socially and ethically responsible world citizens in the 21st century. Emphasis will be placed on developing effective strategies for accessing various sources of information and historical evidence, determining their validity and using them to solve a problem.

WORLD CULTURES HONORS (6350) 5 credits Grade 9

Prerequisites:

- a. Minimum final grade of "B" in Social Studies Acc. Grade 8
- b. Minimum final grade of "A" in Social Studies Grade 8
- c. Teacher recommendation

This academic course is for ninth grade students who are confident in social studies and is designed as the first year course of a three-year social studies requirement. It is for students planning to attend college, technical, or trade school. World Cultures focuses on allowing all students to acquire the knowledge and skills to think analytically and systematically about how past interactions of people, cultures, and the environment affect issues across time and cultures. Geographic, political, economic and religious aspects of varied cultures from 1450 CEBC until the present day will be analyzed; such knowledge and skills enhance students' understanding of World History in order to make informed decisions as socially and ethically responsible world citizens in the 21st century. Emphasis will

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determining their validity and using them to solve a problem.

Additionally, this course will require independent readings, essay writing outside of class time, more advanced geography skills, a deeper understanding of historical terminology, and a more extensive analysis of the social, political and economic influences of the area.

UNITED STATES HISTORY I (8760) 5 credits Grade 9-12

This course is limited to those students who have an **Individualized Education Program (IEP)** developed with the Child Study Team. This course covers the time period from 1607 to 1898 in American history. All students will acquire the knowledge and skills to think analytically about how past and present interactions of people, cultures, and the environment shape the American heritage. Such knowledge and skills enable students to make informed decisions that reflect fundamental rights and core democratic values as productive citizens in local, national, and global communities. The student's individualized education program will determine the level of instruction and the goals for successful completion of the course.

UNITED STATES HISTORY I COLLEGE PREP (6000) 5 credits Grade 10

Prerequisite: World Cultures (6300)

This course is designed for tenth grade students as the second year course of a three-year social studies requirement. It is for students planning to attend college, technical, or trade school. This course covers the time period from 1607 to 1898 in American history. All students will acquire the knowledge and skills to think analytically about how past and present interactions of people, cultures, and the environment shape the American heritage. Such knowledge and skills enable students to make informed decisions that reflect fundamental rights and core democratic values as productive citizens in local, national, and global communities.

UNITED STATES HISTORY I HONORS (6050) 5 credits Grade 10

Prerequisites:

- a. Honors World Cultures minimum final grade of "B" **OR**
- b. World Cultures minimum final grade of "A"

This academic course is for students who are confident in social studies and is designed for tenth grade students as the second year course of a three-year social studies requirement. It is for students planning to attend college, technical, or trade school. This course covers the time period from 1607 to 1898 in American history. All students will acquire the knowledge and skills to think analytically about how past and present interactions of people, cultures, and the environment shape the American heritage. Such knowledge and skills enable students to make informed decisions that reflect fundamental rights and core democratic values as productive citizens in local, national, and global communities.

Additionally, this course will require independent readings, essay writing outside of class time, more advanced geography skills, a deeper understanding of historical terminology, and a more extensive analysis of the social, political and economic influences of the area.

UNITED STATES HISTORY II (8770) 5 credits Grade 10-12

This course is limited to those students who have an **Individualized Education Program (IEP)** developed with the Child Study Team. This course covers the time period from 1899 to the present day in American history. All students will acquire the knowledge and skills to think analytically about how past and present interactions of people, cultures, and the environment shape the American heritage. Such knowledge and skills enable students to make informed decisions that reflect fundamental rights and core democratic values as productive citizens in local, national, and global communities.

The student's individualized education program will determine the level of instruction and the goals for successful completion of the course.

UNITED STATES HISTORY I ADVANCED PLACEMENT (6170) 5 credits (2nd year) Grade 10-11

Approved for Dual Credit

Prerequisites:

- a. Minimum grade of "B" in Honors World Cultures **OR**
- b. Minimum grade of "A" in World Cultures **OR** teacher recommendation

This academic course is for students who are confident in social studies and is designed for tenth or eleventh grade students as the second year course of a three-year social studies requirement. It is for students planning to attend college, technical, or trade school. This course covers the time period from 1607 to 1898 in American history. All students will acquire the knowledge and skills to think analytically about how past and present interactions of people, cultures, and the environment shape the American heritage. Such knowledge and skills enable students to make informed decisions that reflect fundamental rights and core democratic values as productive citizens in local, national, and global communities. Additionally, this course will require independent readings, essay writing outside of class time, more advanced geography skills, a deeper understanding of historical terminology, and a more extensive analysis of the social, political and economic influences of the area.

Particular attention will be paid to the preparation needed for success on the US History AP exam. This course meets all of the requirements of the AP College Board. This is the first year of an intended two-year program. Preliminary summer work will be required.

UNITED STATES HISTORY II COLLEGE PREP (6100) 5 credits Grade 11

Prerequisite: United States History I (6000)

This course is designed for eleventh grade students as the third year course of a three-year social studies requirement. It is for students planning to attend college, technical, or trade school. This course covers the time period from 1899 to the present day in American history. All students will acquire the knowledge and skills to think analytically about how past and present interactions of people, cultures, and the environment shape the American heritage. Such knowledge and skills enable students to make informed decisions that reflect fundamental rights and core democratic values as productive citizens in local, national, and global communities.

UNITED STATES HISTORY II HONORS (6060) 5 credits Grade 11

Prerequisite:

- a. Honors United States History (6050) minimum final grade of "B" **OR**
- b. United States History I (6000) minimum final grade of "A"

This academic course is for students who are confident in social studies and is designed for eleventh grade students as the third year course of a three-year social studies requirement. It is for students planning to attend college, technical, or trade school. This course covers the time period from 1899 to the present day in American history. All students will acquire the knowledge and skills to think analytically about how past and present interactions of people, cultures, and the environment shape the American heritage. Such knowledge and skills enable students to make informed decisions that reflect fundamental rights and core democratic values as productive citizens in local, national, and global communities. Additionally, this course will require independent readings, essay writing outside of class time, more advanced geography skills, a deeper understanding of historical terminology, and a more extensive analysis of the social, political and economic influences of the area.

UNITED STATES HISTORY II ADVANCED PLACEMENT (6180) 5 credits 3rd year Grade 11-12

Approved for Dual Credit

Prerequisites:

- a. US History Advanced Placement I with a grade of "B" or higher
- b. Honors US History I with a grade of "A" or higher;
- c. US History I with a grade of "A" or higher or teacher recommendation

This academic course is for students who are confident in social studies and is designed for eleventh or twelfth grade students as the third year course of a three-year social studies requirement. It is for students planning to attend

college, technical, or trade school. This course covers the time period from 1899 to the present day in American history. All students will acquire the knowledge and skills to think analytically about how past and present interactions of people, cultures, and the environment shape the American heritage. Such knowledge and skills enable students to make informed decisions that reflect fundamental rights and core democratic values as productive citizens in local, national, and global communities. Additionally, this course will require independent readings, essay writing outside of class time, more advanced geography skills, a deeper understanding of historical terminology, and a more extensive analysis of the social, political and economic influences of the area. Particular attention will be paid to the preparation needed for success on the US History AP exam. This course meets all of the requirements of the AP College Board. This is the second year of an intended two-year program. Preliminary summer work will be required.

SOCIAL STUDIES ELECTIVES

INTRODUCTION TO SOCIAL SCIENCE HONORS (6400) 5 credits Grade 11-12

This course is an introduction to the fundamentals of psychology and sociology. Units will include learning principles and applications, memory and thought, body and behavior, sensation and perception, motivation and emotion, altered states of consciousness, infancy and childhood, adolescence, adulthood, senescence and personality theory. A major research project focusing upon a psychosocial dysfunction is required, along with shorter papers assigned periodically.

WORLD CONFLICTS/AMERICAN FOREIGN POLICY HONORS (6500) 5 credits Grade 12

This course will expose the students to current international conflicts and examine their historical and current causes that are based on religious, political, social and/or economic causes. Students will also examine the role of the Department of State and its function in the formation and execution of American Foreign Policy.

EUROPEAN HISTORY ADVANCED PLACEMENT (6160) 5 credits Grade 12 Approved for Dual Credit

Advanced Placement European History is a survey course dating from approximately 1450 to the present that concentrates on major political, social economic, intellectual, and cultural themes throughout this period. In addition to providing a basic narrative of events and movements, the goals of AP European History are to develop (a) an understanding of some of the principal themes in modern European history, (b) an ability to analyze historical evidence and historical interpretation, and (c) an ability to express historical understanding in writing as these are skills that are crucial to success on the European History AP exam. Preliminary summer work will be required.

HONORS CONSTITUTIONAL LAW AND ETHICS (6650) 5 credits Grade 11-12

This is a course designed for students interested in law, government, ethics, and politics. The course will put Constitutional law into a historical framework. Particular emphasis will be placed on cases that show the interaction between the Supreme Courts interpretations of the Constitution and political and economic developments. Students will examine the Constitution, the fundamental concepts of Constitutional law, the role of the courts, the legal limitations on governmental policy making and the relationship between law and society. Students will discuss and analyze topics subject to Constitutional interpretation such as separation of powers, religious liberty, and freedom of speech, equal protection, the death penalty, gun control, civil rights, and abortion. Students will be asked to defend their opinions about real life Supreme Court cases both orally and in written form.

FILM STUDIES: HISTORY AND LITERATURE THROUGH FILM (6700) 5 credits Grade 11-12

Twentieth Century America in Film and History:

Twentieth Century America in Film and History offers an exploration of United States cultural and social history through the medium of film and other mediums of mass culture. Throughout the semester students will view a variety of films. The class will discuss and write about those films as primary documents within a historical context, as manifestations of popular culture, as reflections of society, as manifestations of business and technology, and as works of art.

Literature through Film: Film as Literature focuses on mastery of the literary elements throughout the medium of film. Throughout the semester students will learn about plot, setting, theme, and irony by analyzing various types of films. The curriculum includes vocabulary specific to the film industry. In addition, the course covers the origins and history of film, propaganda, documentaries, drama, comedies, and other film genres. Students are required to discuss and analyze film clips for technical aspects. Independent reading and a variety of writing assignments are also assigned.

HONORS AMERICAN WOMEN'S HISTORY: REVOLUTIONARY WAS TO THE PRESENT (6110)

2.5 credits

Grade 11-12

This course examines the contributions of women in American history, from the Revolutionary War to the present day, focusing on the roles of women as America modernized. Topics include the changing legal, social, economic, and political rights of women, shifting notions of gender roles, and images of women in popular culture.

HONORS NJ HISTORY (6120) 2.5 credits Grade 11-12

Time period will begin with Native American and European interaction during colonization, and conclude as close to present day history as possible.

POLITICES AND JUSTICE (8780) 5 credits Grade 11-12

This course is limited to those students who have an Individualized Education Program (IEP) developed with the Child Study Team. This course introduces the student to the fields of government, law and justice. Government topics include the activities that relate to influencing the actions and politics of a government, getting and keeping the power in government, the work and people involved in government and the exploration of a person's political thoughts and opinions. The Law and Justice component will focus on the whole system of laws set forth by thoughts and opinions. The Law and Justice component will focus on the whole system of laws set forth by government and the process for which that system is enforced within the state. Specific careers in law enforcement will be explored and students will experience the requirements, roles and responsibilities of those positions.

POLITICES AND JUSTICE (6130) 5 credits Grade 11-12

This course introduces the student to the fields of government, law and justice. Government topics include the activities that relate to influencing the actions and politics of a government, getting and keeping the power in government, the work and people involved in government and the exploration of a person's political thoughts and opinions. The Law and Justice component will focus on the whole system of laws set forth by thoughts and opinions. The Law and Justice component will focus on the whole system of laws set forth by government and the process for which that system is enforced within the state. Specific careers in law enforcement will be explored and students will experience the requirements, roles and responsibilities of those positions.