

## History

- Economics

This course is designed to explore the history of economics, the development of economic theories, and the structure of American and global economies. The role of government in economics is closely examined, including topics such as the power to tax, fiscal and monetary policies, and the role of government agencies. Economic cycles and the impact of recession and inflation are discussed. Scarcity, supply and demand, and the importance of sound economic choices.

- Government

The history of government and the development of the United States government and political systems. The Government lessons examine the authority, structure, and rights of American citizenship through the establishment of government organizations and policies.

- U.S. Geography

Introduces students to the study of geography and also covers the globe, map symbols, islands, landforms such as glaciers and hills, bodies of water, changing seasons, the Northeast and Middle Atlantic states, the Southeastern states, the Great Lakes region, the Plains region, the Southwestern states, the Mountain states, the Pacific states, the size, climate, characteristics, and settlers of all the regions, the Continental Divide, U.S. governed islands and territories, national landmarks such as the Appomattox Court House, Ellis Island, the Alamo, Niagara Falls, the Grand Canyon, and Yellowstone National Park.

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## Humanities

Humanities represent the knowledge that humans have developed throughout history. Humanities explores the artistic and cultural accomplishments of individuals in the following academic areas: literature, religion, painting, sculpture, architecture, photography, art history, music, theater, film, dance, cultural studies of civilizations, philosophy, languages, and ethics.

- Art Appreciation

The Art Appreciation course is a survey of painting, sculpture, architecture, and the elements of design. The history and art of past and present world cultures is introduced. The course is designed to enable students to identify, evaluate, and comprehend various forms and styles of art. The course also explores career opportunities in the various fields of art.

- Performing Arts - Focus on the performing arts of music, dance, theater, opera, motion pictures, and television.

- Philosophy - Focus on the philosophical, spiritual, and artistic aspects of life throughout history.

## Mathematics

- Trigonometry (2 Semesters)

Covers angles, angle terminology, reference angles, definition of sine, cosine, and tangent, definition and value of secant, cosecant, and cotangent, calculating sides of right triangles, using trigonometry to solve real world problems, the Law of Sines and Cosines, symmetry identities, verifying trigonometric identities, sum and difference for sine, cosine, and tangent, using cofunction identities, graphing trigonometry functions, principal values, arc length, area of circular sectors, simple harmonic motion, and frequency.

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## Personal Development

- Health & Fitness

Covers a variety of health topics including, health risks, types of illnesses, functions of the major systems of the body, and health career options. Teaches students basic concepts of lifetime physical fitness as well as give them experience with self-designed exercise programs. Students will investigate public resources available for understanding fitness and accessing activities from walking and hiking to kayaking.

- Personal Finance

A variety of financial and monetary subjects, including the foundations of economics, preparing a budget, understanding paychecks and tax deductions, banking, and the importance of researching the quality of goods to make consumer choices. Lessons of similar topics have been grouped into units to provide smooth transitions from one lesson to the next.

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## Science

- Chemistry (2 Semesters)

*First Semester:* Students will learn basic chemistry concepts and develop skills relating to basic chemical calculations and mathematical principles. This course offers activities formulated to teach and engage students in problem-solving and critical-thinking skills related to chemistry learning. Chemical language and symbols are explored, as well as laboratory procedures and equipment.

- Physics (2 Semesters)

Introduction to physics concepts, mathematics as the language of physics, scalar and vector quantities, acceleration, Newton's first law of motion, vectors, universal gravitation, mechanical advantage, thermal energy, types of waves, definition of sound, Snell's Law, atoms, magnets, the unit of charge, Ohm's Law, resistance, combined electrical circuits, how electricity is generated, a brief review of astronomy.

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## **Social Sciences**

- Anthropology

Anthropology is a behavioral science that focuses on the study of humanity and culture. Anthropologists research the characteristics and origin of the cultural, social, and physical development of humans. They may also determine why some cultures change and other cultures come to an end. Students learn the foundations of the five main branches of anthropology including physical, social, linguistic, archeology, and cultural.

- Psychology

Psychology is one of the behavioral sciences and encompasses the study of the human mind. Psychologists use laboratory research and observation to determine how people's thoughts influence their actions. Social psychologists focus on how members of a group interact with each other. Students examine how these interactions can lead the group to agreements and success or disagreements and failure.

- Sociology

The behavioral science of groups, communities, and societies. The process of socialization, norms, folkways and mores, scientific research, social behavior, social institutions, culture, population, minorities, and changes to the informal and formal structure of the society are explored in depth.

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## **World Languages**

- Spanish I (2 Semesters)

Spanish I includes topics such as common greetings and cognates, school and classes, time, days, months, seasons, and weather, appearance, personality, and feelings, daily activities and sports, asking questions and giving positive and negative responses, food and drinks, going to the supermarket, and going to a restaurant.

- Spanish II (2 Semesters)

Spanish II includes topics such as use of reflexive verbs and pronouns, families and kinship, household objects and chores, medical words and phrases, cardinal directions, travel terms and locations, personality descriptors, games and activities, and technology.