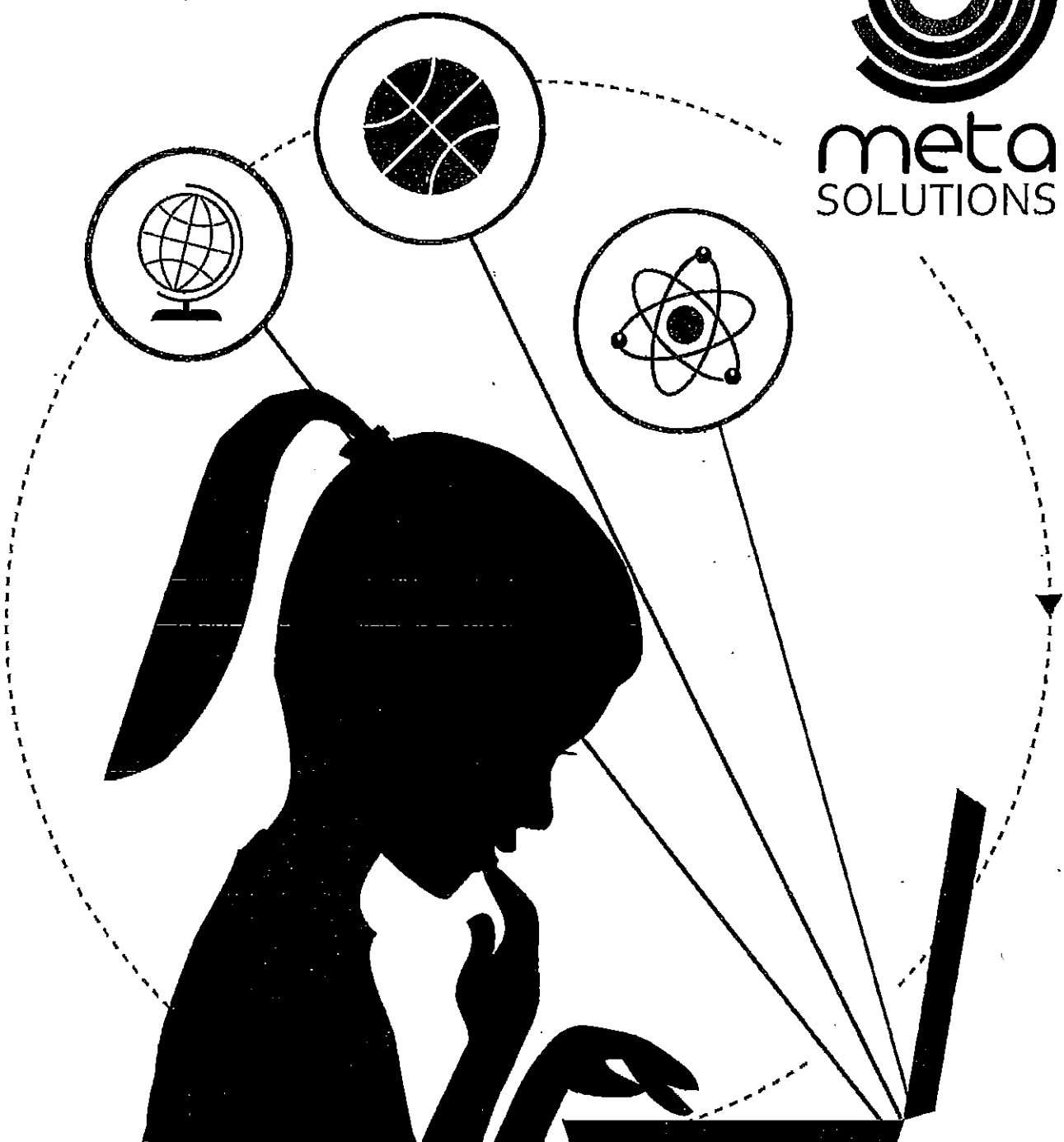


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**COURSE CATALOG**

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# Course Descriptions

Changes, additions, or deletions in these course descriptions may occur at any time throughout the school year.

## English Department

### English I

Credit: 1

This course develops an understanding of literary genres (fiction, nonfiction, poetry, rhetoric, essay and oratory) and communication skills (reading, writing, listening, viewing, speaking, and inquiring). Students will increase reading comprehension by practicing access to prior knowledge, using visualization techniques and creating graphic organizers. Learners will interpret and apply proper vocabulary and punctuation, identify facts/opinions in literature, examine effective uses of dialogue and analyze differences in perspective. Students will also focus on reading and writing personal and business letters, conducting research and exploring persuasive writing techniques.

### English II

Credit: 1

This course builds upon the content, skills and concepts of English I. Students will extend their knowledge of common literary genres (short story, novel, drama, and poetry) from a diverse pool of authors and subject matter; and they will acquire the vocabulary, grammar, writing, research, and communication skills necessary for academic success. Students will improve reading and writing by examining technical documents, social science-related literature, historical fiction and scientific articles. They will also explore persuasive writing and will develop an understanding of critical thinking skills as they apply to reading, writing, and discussion of literary works. Students will conduct critical research and synthesize findings in a presentation.

### English III

Credit: 1

English III is a yearlong course designed for the general student of language arts as well as for the college-bound student. The course includes selected readings in American literature from short stories, essays, poems, drama, and novels. Students will develop listening and visual communication skills. Topics covered include effective writing, analyzing literature, writing process, and research.

### English IV

Credit: 1

The focus of this senior level course is British literature. Students will read a broad selection of British literature and complete a comprehensive agenda of assignments designed to foster critical thinking. This class will enable learners to develop and use an expanding knowledge base and essential processes for effective communication. It will also cover symbolism, interpretation of drama, and documenting research.

# Math Department

## Pre-Algebra

Credit: 1

This course builds upon the essential skills of arithmetic as they apply to algebra. Students will perform operations and solve problems involving whole numbers, fractions, decimals and percent. Students will be introduced to geometric concepts as well as integers, real numbers and linear equations, linear inequalities, factoring and graphing.

## Algebra I

Credit: 1

This course will develop algebraic skills and concepts and enhance problem solving ability. Students will explore relationships between quantities, reasoning with equations, and linear and exponential relationships. Topics will include work with polynomials, quadratics, rational expressions, irrational numbers, coordinate graphing, basic statistics, and introduction to functions.

## Geometry

Credit: 1

Properties of geometric figures will be discovered and discussed in this course. Methods of deductive and inductive reasoning will be introduced. The course includes a study of points, lines, planes and angles as well as parallelism, triangles, polygons, regular polygons, circles, areas and volumes, and a review of coordinate geometry. The study of trigonometry of the right triangle and transformational geometry will be introduced.

## Algebra II

Credit: 1

This course will review and extend an understanding of the number system, formulas, equations, and graphs. Subject matter includes quadratics, radicals, exponents, and complex numbers. An emphasis will be placed on trigonometric functions, modeling with functions and quadratic relationships. Students will analyze and interpret data, make inferences, justify conclusions and use probability to make decisions.

## Trigonometry

Credit: 0.5

This course covers different aspects of Trigonometry: right angles, radian measures, circular functions, trigonometric functions, graphing functions, identities of single variables, trigonometric identities, trigonometric equations, inverse trigonometric functions, laws of sines and cosines, and polar coordinates.

## Consumer Math

Credit: 1

This course will cover the mathematics of discounts, wages, income tax, and money management. It will also focus on interest, credit, economics, and finance. The second semester of the course will explore fractions, ratios measurement, statistics, and percents.

# Science Department

## Physical/Earth Science

Credit: 1

Physical Science will provide a scientific way of thinking, problem solving and an overview of essential science content in the areas of physics and chemistry. Major topics included in this course are forms and properties of matter, bonding and types of compounds, types of mixtures, energy, energy applications, forces, and motion. Students will study these topics from both a regional and global perspective and emerge with an understanding of the interconnected nature of all the natural and physical components of our world.

## Biological Science

Credit: 1

Biology is the study of life and reactions that drive biological processes. Areas of study include the chemistry, structure and functions of the cell; molecular basis of heredity; biological change over time; behaviors and interdependence of organisms and matter; energy and organization in living systems. Plant and animal structure and function will also be covered. This course will stress hands-on activities by the student as well as self-guided, investigative studies. Activities will stress scientific inquiry, communication, and applications relevant to society.

## Life Science

Credit: 1

Students will practice scientific inquiry as they study the chemistry, structure and function of cells in living organisms. The course will cover taxonomy of living organisms and diversity within classifications, genetics and heredity, and human health and reproduction. Students will also study genetics and heredity, and how things change over time.

## Chemistry

Credit: 1

Chemistry is the systematic study, involving the scientific method, of matter, its properties, composition, and changes. Students will study matter and atomic structure, and will use the periodic table to identify and/or predict properties of elements. Other topics will include behavior of gases, chemical bonding, acids and bases, reactions, energy changes, organic and environmental chemistry and more. The use of mathematics is an integral part of this course. Real-world examples are used throughout the course to provide context for student learning.

## Physics

Credit: 1

Physics is the study of the physical laws of nature. Students will investigate the motion of objects and the forces that cause it. Learners will apply knowledge of the relationships between time, velocity, displacement and acceleration. Additional topics covered include waves, light and sound, force and motion, electrostatics, circuitry, magnetism, and atomic and modern physics.

# Social Studies Department

## World History

Credit: 1

Students continue the chronological study of world history, incorporating each of the seven social studies standards. As students study historic eras, they consider the influence of geographic settings, cultural perspectives, economic systems, and various forms of government. Students gain a deeper understanding of the role of citizens and continue to develop their research skills. Recommended for grade level: 9

## American History

Credit: 1

This course covers the years of 1865 through the Clinton/Bush years. Students will study the Indian way of life, the Industrial nation, Reformation, involvement in WWI through the Great Depression, involvement in WWII, Civil Rights through the Vietnam and Cold War, and prosperity then terrorism. An end of course exam is required for completion of this course.

## World Economics

Credit: 0.5

Covers the Economic influences and International relations of Africa, China, Japan, Latin America, Middle East, South & Southeast Asia.

## U.S. Government

Credit: 0.5

Students will complete an in-depth study of the United States government and economy. All seven standards contribute to the students' understanding of the political economic systems of the United States. They will develop a deeper understanding of their roles as citizens and continue to expand their command of social studies skills and methods. An end of course exam is required for completion of this course. Recommended for grade level: 11,12

## Geography

Credit: 0.5

Students will apply their skills and knowledge of geography learned in earlier grades and will participate in assignments. Topics covered include the earth, the United States, Canada, Europe, Russia, and Oceania.

## Civics

Credit: 1

This course will cover questions such as: What are Politics and Government? What is Democracy? Students will explore the basic concepts of power and authority, citizenship, and involvement in world affairs. Economic systems will be covered which will include the foundations of economy, market economy, business cycles, governmental influence and the purpose/effects of institutions among many other pieces that make up government and economics.

## **Social Studies Department (cont.)**

### **International Studies**

Credit: 0.5

Covers prehistory to modern times, geography, and climate of Africa, China, Japan, Latin America, Middle East, South & Southeast Asia.

### **Global Cultures**

Credit: 0.5

Covers the politics, government, social and cultural influences of Africa, China, Japan, Latin America, Middle East, South & Southeast Asia.

### **Early American Heritage**

Credit: 1

This history course covers the time period before 1492 through 1877. It will cover how the early people created the foundation of American culture, exploring and colonizing, the establishment of the thirteen colonies, colonial life and independence, Americans governing themselves, and the creation of the U.S. Constitution. It will then cover the leadership of the New Nation, conflicts during the Age of Jackson, moving towards the Pacific, division of the North and South, the Civil War, and Reconstruction.

### **Archaeology**

Credit: 0.5

George Santayana once said, "Those who cannot remember the past are condemned to repeat it." The field of archaeology helps us to better understand the events and societies of the past that have helped to shape our modern world. This course focuses on the techniques, methods, and theories that guide the study of the past. Students will learn how archaeological research is conducted and interpreted, as well as how artifacts are located and preserved. Finally, students will learn about the relationship of material items to culture and what we can learn about past societies from these items.

### **Sociology I**

Credit: 0.5

The world is becoming more complex. How do your beliefs, values and behavior affect the people around you and the world we live in? In this increasingly connected world, students will examine problems in our society and learn how human relationships can influence the life of the student. Exciting online video journeys to different areas of the world are also presented in the course.

### **Sociology II**

Credit: 0.5

Sociology is the study of people, social life and society. The development of a sociological imagination will enable students to examine how society shapes human actions and beliefs, and how such actions and beliefs in turn shape society. Exciting online video journeys to different areas of the sociological world are also presented in the course.

## **Social Studies Department (cont.)**

### **Anthropology 1: Uncovering Human Mysteries**

Credit: 0.5

In this class you will gain an understanding of what anthropologists do. You will learn how the 4 fields of anthropology (physical anthropology, cultural anthropology, linguistic anthropology and archaeology) are interdependent and work together to gain an understanding of our past, present and future. You will also learn how anthropologists use this holistic approach to view other cultures and understand how those cultures interact with the world around them. The course is comprised of traditional lessons interspersed with online video journeys to different areas of the world

### **Anthropology 2: More Human Mysteries Uncovered**

Credit: 0.5

This course is a continuation of Anthropology 1 with a more in-depth look at global cultures and the ways humans have made sense of their world. This class will examine various aspects of cultures including the stages of life and death, creation of art, and how cultures evolve and change over time. Learners will also apply anthropological concepts to modern cultures including the Maasai of Africa, the Yanomamo of Brazil and Venezuela, and the cultures of Indonesia. The course is comprised of traditional lessons interspersed with online videos.

### **Psychology**

Credit: 0.5

Self-knowledge is the key to self-improvement! Psychology is a subject that can be applied to everyday life. New research and ideas will change the way we view ourselves and each other. Topics include the history of psychology, developmental theories, study of memory, intelligence, emotion, health, stress and personality. This course also includes online psychology experiments about our own behavior and how we behave with other people.

# Physical Education & Health Department

## Physical Education

Credit: 0.5

Students will participate in physical activities of their choice and report their hours to the instructor, and complete various reports regarding nutrition, physical activity, different sports, and other topics. Students are required to complete 120 hours of physical education course instruction, including both physical activities (a minimum of 60 hours for the course) and classroom activities.

## Health

Credit: 0.5

This class will focus on an understanding of the issues of leading a healthy life. Topics covered during the course are as follows: nutrition, alcohol, tobacco and other drugs, conflict management, injury prevention & control, lifetime sport and leisure skill development, total fitness, mental & emotional health, prevention of disease and infection, and environmental health.



# Fine Arts

## Art I

Credit: 0.5

This course covers creativity, expression, design principles, and evaluation of art. It will also discuss ways to communicate meaning through art and will focus on the history of art, western and world art appreciation, art in the modern world, and art from the 20th century to present day. Students will also have a chance to express their own creativity and ideas through the completion of studio projects that reflect lesson concepts.

## Digital Photography

Credit: 0.5

This course covers the history of photography, famous photographers, careers in photography, and ethics in photography. Students will also learn about digital photography equipment. Students will need a digital camera, a scanner, a means of transferring their digital images to their computer, willingness to learn digital editing software.

## Digital Art

Credit: 0.5

This course covers the History of Digital Art, famous digital, and various careers in Digital Art, such as graphic design, web design, advertising and digital photography. Students will study the differences between various file formats, how to use design principles to create the best layout, how color and font style impact brand recognition, and how to create a sense of space using various non-digital techniques and the rules of perspective. Finally students will learn to effectively manipulate, edit and render their own images using digital editing software.

## Music Appreciation

Credit: 0.5

Music is part of everyday lives and reflects the spirit of our human condition. To know and understand music, we distinguish and identify cultures on local and global levels. This course will provide students with an aesthetic and historical perspective of music, covering a variety of styles and developments from the Middle Ages through the Twentieth First Century. Students will acquire basic knowledge and listening skills, making future music experiences more informed and satisfying.

# Global Languages

## Spanish I

Credit: 1

In this course, the student will develop listening, speaking, reading and writing skills through activities that are based on pedagogically proven methods of foreign language instruction. Students learn to express themselves using an ever-increasing vocabulary, present-tense verbs, articles, and adjectives. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. Culture is sprinkled throughout the course in an attempt to help the learner focus on the Spanish-speaking world and their culture, people, geographical locations and histories.

## Spanish II

Credit: 1

The student will continue to sharpen listening, speaking, reading and writing skills through activities that are based on pedagogically proven methods of foreign language instruction. Students learn to express themselves using an ever-increasing vocabulary, present-tense verbs, past-tense verbs, articles, and adjectives. Grammar is practiced in innovative and interesting ways with a variety of learning styles in mind. Culture is sprinkled throughout the course in an attempt to engage the learner focus on the Spanish-speaking world and their culture, people, geographical locations and histories.

## Spanish III

Credit: 1

The student will continue to expand listening, speaking, reading and writing skills through activities that are based on pedagogically proven methods of foreign language instruction. Students will read significant works of literature in Spanish and will respond orally or in writing. Students learn to express themselves using ever-increasing vocabulary, present-tense verbs, past-tense verbs, articles, and adjectives. Grammar is practiced in innovative and interesting ways with a variety of learning styles in mind. Culture is embedded throughout the course in an attempt to help the learner focus on the Spanish-speaking world and its culture, people, geographical location and history.

## German I

Credit: 1

This course will help students develop the ability to understand, speak, read, and write German and to acquire knowledge of the people and cultures of the German-speaking countries. In the online classroom there will be a strong emphasis on reading and understanding German. Grammar is practiced in innovative and interesting ways with a variety of learning styles in mind. Listening and speaking skills will also be practiced. Students will gain a good knowledge of the grammatical forms and structures of the language.

## German II

Credit: 1

Student will continue their introduction to German and expand on their ability to understand, speak, read and write German. Vocabulary and grammar skills introduced in German I will be regularly reviewed and expanded through a variety of reading, speaking, and writing activities. Students will also continue to study the people and cultures of the German-speaking countries.

## **Global Languages (cont.)**

### **French I**

Credit: 1

This course provides a solid foundation for reading, speaking, writing, and understanding French and cultivates a passion for the language through exposure to culture and dynamic experiences of real people and real places. Weekly vocabulary themes and grammar concepts are introduced and reinforced throughout the course.

### **French II**

Credit: 1

Students with a beginning foundation in French will expand their skills in listening comprehension, speaking, reading and writing. Weekly ongoing adventure stories, vocabulary themes and grammar concepts effectively take students from a tentative understanding of French basics to a greater level of sophistication. This course concentrates on students' ability to articulate more and more complex thoughts and to understand authentic native language from a variety of enticing sources.

## **Additional Electives**

### **Social Problems I**

Credit: 0.5

Students will become aware of the challenges faced by social groups, as well as learn about the complex relationship among societies, governments and the individual. Each unit is focused on a particular area of concern, often within a global context. Possible solutions at both the structural level as well as that of the individual will be examined. Students will not only learn more about how social problems affect them personally, but begin to develop the skills necessary to help make a difference in their own lives and communities, not to mention globally.

### **Social Problems II**

Credit: 0.5

The Social Problems II course continues to examine timely social issues affecting individuals and societies around the globe. Students learn about the overall structure of the social problem as well as how it impacts their lives. Each unit focuses on a particular social problem, including racial discrimination, drug abuse, the loss of community and urban sprawl, and discusses possible solutions at both individual and structural levels. For each issue, students examine the connections in the global arena involving societies, governments and the individual.

### **Financial Literacy**

Credit: 0.5

This course will equip students with personal financial skills and help them to make well-informed purchasing decisions. Students will learn how to deal with the complex issues that individuals and families need to successfully navigate an ever-changing economy. It will help prepare for those large purchases such as a car, and/or house, plus planning for retirement.

### **Computing for College and Careers**

Credit: 0.5

Technology Applications introduces useful computer applications. Students will learn about computers, their history and the Internet. Students will also learn about word processing, database management, spreadsheet creation and graphics manipulation. Students will be evaluated through completed projects demonstrating knowledge and skills learned.

## **Additional Electives (cont.)**

### **Data Analysis**

Credit: 0.5

This course covers reading, computing, and constructing graphical data. By studying scenarios of different data collected in locations around the world, students will learn how to collect, read and analyze the information for problem solving. Students will also learn different ways to apply data skills to everyday life.

### **Life and Job Skills**

Credit: 1

This course will equip students with the skills necessary to find a job and be a valuable employee. Topics covered include searching for a job, the application and interview process. A student will set short and long term goals along with student success plans. Topics will include saving money, making a budget, and personal banking. Students will learn how to write an agenda, writing the minutes and ideas. They will also learn the process of communication.

# OGT Preparation

## Math OGT Preparation

Credit: 0.5

This course targets instruction to maximize students' performance on the Math OGT high-stakes exam. It provides students with an electronic learning path, self-paced curriculum, and content-based assessments in Math. This course is only available for students who have yet to pass the Math OGT.

## Science OGT Preparation

Credit: 0.5

This course targets instruction to maximize students' performance on the Science OGT high-stakes exam. It provides students with an electronic learning path, self-paced curriculum, and content-based assessments in Science. This course is only available for students who have yet to pass the Science OGT.

## Social Studies OGT Preparation

Credit: 0.5

This course targets instruction to maximize students' performance on the Social Studies OGT high-stakes exam. It provides students with an electronic learning path, self-paced curriculum, and content-based assessments in Social Studies. This course is only available for students who have yet to pass the Social Studies OGT.

## Writing OGT Preparation

Credit: 0.5

This course targets instruction to maximize students' performance on the Writing OGT high-stakes exam. It provides students with an electronic learning path, self-paced curriculum, and content-based assessments in Writing. This course is only available for students who have yet to pass the Writing OGT.

## Reading OGT Preparation

Credit: 0.5

This course targets instruction to maximize students' performance on the Reading OGT high-stakes exam. Provides students with an electronic learning path, self-paced curriculum, and content-based assessments in Reading. This course is only available for students that have yet to pass the Reading OGT.