



# Summer School Course Catalog 2018

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## 21CCCS Online Summer School

21<sup>st</sup> Century Cyber Charter School is making summer school courses available to all Pennsylvania students. Summer school classes can be taken entirely online for high school credit and middle school credit recovery. Courses are available as original credit for high school students taking a course for the first time and credit recovery for middle school and high school remediation. All of our courses are taught by full-time PA certified teachers.

Courses are asynchronous and are available 24 hours a day, 7 days a week. Teachers are available Monday through Thursday 9am-1pm via phone, email and Virtual Office. Students provide their own computer, software, and Internet connection.

Registration opens April 3, 2018 for both original and credit recovery courses. Registration closes on April 30<sup>th</sup> for original credit courses and on June 7<sup>th</sup> for credit recovery course. Original credit classes runs from April 16, 2018 through July 26, 2018. Credit recovery classes runs from June 11, 2018 and continue through July 26, 2018 at 4:00 PM. Teachers will not be available to students during the period of June 1 – 8 and July 4.

Students may enroll online at <http://db.21cccs.org/summerschool.lasso> Payment is via [Authorize.net](http://Authorize.net). Schools wishing to enroll students should contact Monica Frank - [mfrank@21cccs.org](mailto:mfrank@21cccs.org) or 484-875-5493 for registration and payment details.

Course costs:

Course Type	Credit Value	Cost	Credit Value	Cost
Original Credit	1.0	\$350.00	0.5	\$200.00
Credit Recovery	1.0	\$300.00	0.5	\$150.00

A \$10 shipping fee for textbooks and other course materials is in addition to above costs.

Drop periods are as follows:

- Original credit—by 4:00 pm 15 business days after registration, or start of course, whichever is later
- Credit recovery—June 21, 2018 by 4:00 pm

Shipping and PE kit fees are not refundable. Students are required to return textbooks within two weeks of end of course to avoid charges.

21<sup>st</sup> Century Cyber Charter School (21CCCS) has the best academic track record of any cyber charter school in Pennsylvania. Now in its 17<sup>th</sup> year, 21CCCS is creating programs to enable Pennsylvania public schools to expand offerings to their students, and to help train their teachers to become effective online instructors. For more information on these outreach programs, please contact [info@21cccs.org](mailto:info@21cccs.org).

## High School Courses

### **American Literature – 1 Credit**

(A Credit Recovery version of this course is also available as needed.)

This course includes works of American literature with the purpose of familiarizing students with major authors and movements of American literature, from the pre-colonial times to the present. Students will also learn writing techniques, research skills, and proper grammar usage rules. Students will explore many aspects of American literature: fiction, nonfiction, poetry, media, art, drama, the novel and speech. The course includes readings, discussion boards, live class lessons, research, group work, and presentations. Prerequisites: Passing grade in English Literature or equivalent course.

*Course Materials: The Great Gatsby*

### **British & World Literature – 1 Credit**

(A Credit Recovery version of this course is also available as needed.)

This course includes works of British and World literature with the purpose of familiarizing students with major authors and movements of British and World literature, from the beginnings of written language to the present. Students will learn writing techniques, research skills, and proper grammar usage rules. Students will explore many aspects of British literature – fiction, nonfiction, poetry, media, art, drama, the novel, and speech. The course will include readings, discussion boards, live class lessons, research, group work, presentations, and unit exams. *Course Materials: Elements of Literature 6<sup>th</sup> Course*

### **Business Communications – 1 Credit**

(A Credit Recovery version of this course is also available as needed.)

This course is designed to familiarize students with the many types of written and verbal communications that students will encounter in the business world. Students will also learn writing techniques, research skills, and proper grammar usage. Students will explore many aspects of business communications - business writing, technical documentation, advertising, resumes, verbal communication skills, interviewing, and much more. The course includes readings, blogs, live class lessons, research, group work, and presentations. *Course Materials: Who Moved My Cheese?*

### **Creative Writing – 1 Credit**

This course will teach students the major components of the creative writing process by learning writing techniques, peer editing, and self-editing. The primary focus of the course will be on creating and completing various types of creative pieces, culminating with the completion of a “final” piece as designed by the student. Students will explore many aspects of creative writing through blogs, writing activities, and assignments geared towards helping students unlock his or her natural creativity. The course will also include readings, discussion boards, writing, live class lessons and peer editing.

**English Composition – 1 Credit**

(A Credit Recovery version of this course is also available as needed.)

This course is designed to teach students to effectively write informative and persuasive pieces. Students will learn the writing process and take multiple pieces of writing through drafting, revision, and editing. Emphasis will be placed on the ability to write with focus and attention to the audience. Students will be taught to use appropriate organizational strategies, precise language, and a variety of sentence structures. The course will teach students to use appropriate grammar, mechanics, punctuation, spelling, and sentence formation. The course will include readings, writing assignments, discussion boards, lectures through live class lessons, research, group work, presentations, and unit exams. *Course Materials: I Am Malala*

**English Literature – 1 Credit**

(A Credit Recovery version of this course is also available as needed.)

This course helps students build literacy, reading, writing, vocabulary, and listening skills. Students will also learn writing techniques, research skills, and proper grammar usage rules. Building on skills from English Composition, the class explores many aspects of plot and setting, character, narrator and voice, comparing themes, irony and ambiguity, symbolism and allegory, poetry, and drama. The course includes readings, discussion boards, webcasts, research, group work, presentations, and unit exams. Prerequisites: Passing grade in English Composition or equivalent course. *Course Materials: Chasing Lincoln's Killer*

**Elements of Language – 1 Credit**

(A Credit Recovery version of this course is also available as needed.)

This course is designed to support students in building foundational reading and writing skills. The aim of this course is to prepare students to meet the demands of post-secondary literacy and communication. Students in this course will write for a variety of purposes, from personal narratives to inquiry and analysis essays. Students in this course will develop a deep understanding of their individual reading and comprehension process. They will develop strategies and skills to improve reading comprehension and fluency. Students will read and analyze texts including short stories, novels, essays, nonfiction articles, poetry, and literary nonfiction. *Course Materials: Where Things Come Back*

**Algebra I – 1 Credit**

(A Credit Recovery version of this course is also available as needed.)

In this course, emphasis will be placed on operations, linear equations, linear inequalities, linear functions, and data organization. Students will be asked to work with operations, real numbers and expressions, to write and solve linear equations and linear inequalities, to analyze and interpret functions, describe and compute slope, to analyze and interpret a scatter plot, and to use data displays in problem solving situations. Activities will include webcasts, webquests, practice activities, scheduled group work and unit exams. This course will prepare students to take the Keystone Algebra I Exam.

### **Algebra IB – 1 Credit**

(A Credit Recovery version of this course is also available as needed.)

In this accelerated course, emphasis will be placed on operations, linear equations, linear inequalities, linear functions, and data organization at an advanced pace. Students will be asked to work with operations, real numbers and expressions, to write and solve linear equations and linear inequalities, to analyze and interpret functions, describe and compute slope, to analyze and interpret a scatter plot, and to use data displays in problem solving situations. Activities will include live class lessons, practice activities, scheduled group work and unit exams. This course will prepare students to take the Keystone Algebra I Exam.

### **Algebra II – 1 Credit**

(A Credit Recovery version of this course is also available as needed.)

The purpose of this course is to extend students' knowledge of Algebra 1 and Geometry as they apply variables, equations, and functions to more in-depth problem solving situations. This course will delve into various algebraic topics including: formulas, variation, factoring, imaginary numbers, quadratics, polynomial functions and equations, radical expressions, rational exponents, exponential and logarithmic functions, logarithmic properties and equations, scatter plots, patterns, sequences, probability, and counting theory. This course will include practice, quizzes, tests, and projects as well as reading, research, writing, speaking, discussion forums, and SAT preparation.

### **Consumer Math – 1 Credit**

(A Credit Recovery version of this course is also available as needed.)

This course is a comprehensive review of arithmetic skills that apply to personal and business opportunities. Topics include whole numbers, fractions, percentages, basic statistics, and graphs. Practical applications in finance, taxes, budgeting, banking, and home ownership are included. Examples of wages, income deductions, insurance, checking and saving accounts, credit, housing expenses, auto expenses, recreational spending, and the cost of transportation are studied. By the course conclusion students will be able to: compute regular, overtime and piecework wages; compute taxes from tables, write a check, deposit slips, and withdrawal slips; reconcile a bank statement, budget for fixed and variable expenses, and compute finance charges and loan payments.

### **Geometry – 1 Credit**

(A Credit Recovery version of this course is also available as needed.)

Students will build upon basic geometry skills by extending ideas about the properties of lines and polygons. Review of the properties of triangles and other skills from Algebra I will show relationships between parts of geometric figures and solving for unknowns. Geometrical proofs and inductive reasoning will be covered. Throughout the course, students will apply the math they learn to real-world situations. This course includes lecture through live class lessons, small scheduled group work, a midterm exam, and a final exam.

**Biology – 1 Credit**

(A Credit Recovery version of this course is also available as needed.)

This course reinforces the Biological Science Standards created by the Pennsylvania Department of Education. This course includes a survey of biology, botany, zoology, cell physiology, microbiology, and genetics. Several extensive labs demonstrate first hand the concepts being taught in this class. At the conclusion of this course students should be able to: explain the structural and functional similarities and differences found among living things, explain the chemical and structural basis of living organisms, describe how genetic information is inherited and expressed, and explain the mechanisms of the theory of evolution. Activities will include live class lessons, and small group work.

**Chemistry – 1 Credit**

(A Credit Recovery version of this course is also available as needed.)

This course builds upon scientific concepts presented in general science and biology courses. Students will explore the theories behind the foundations of chemistry and apply critical thinking skills to solve real-life chemistry problems. Topics include, but are not limited, to the scientific method, atomic theory, the periodic table, types of chemical bonding, chemical nomenclature, the mole, stoichiometry, limiting reactants, percent composition, gas laws, and solutions. Additionally reading and algebraic problem solving strategies will be emphasized in assessments throughout the course.

Prerequisite: Algebra I

**Concepts of Environmental – 1 Credit**

(A Credit Recovery version of this course is also available as needed.)

Students will explore key topic areas including the application of the scientific process to environmental analysis; ecology; energy flow; ecological structures; and water science. Topics also include the management of natural resources and analysis of private and governmental decisions involving the environment. Students explore current environmental issues and conduct hands-on research activities, learning that political, private and personal decisions about the environment and the use of resources require research, application of scientific processes, observation and responsible conclusions. Activities will include concept mapping, presentations, speeches and documentary analysis.

**Earth and Space Science – 1 Credit**

(A Credit Recovery version of this course is also available as needed.)

This course is designed to help students develop an understanding of the Earth, its features and processes, resources, weather, and water resources. Earth Science will use visualizations showing animations, simulations, satellite images, and other interactive graphs with explanatory text, enabling students to see the processes of Earth Science at work. This course focuses on the physical features and properties of the earth and the universe, and their relationship to earth's living things and society. Students will be required to apply basic concepts learned in previous science courses to the study of the

earth. The course includes readings, discussion boards, live class lessons, research, presentations, and unit exams.

**Environmental Science – 1 Credit**

(A Credit Recovery version of this course is also available as needed.)

Students will explore key topic areas including the application of the scientific process to environmental analysis; ecology; energy flow; ecological structures; earth systems; and atmospheric, land, and water science. Topics also include the management of natural resources and analysis of private and governmental decisions involving the environment. Students explore actual case studies and conduct hands-on, unit-long research activities, learning that political and private decisions about the environment and the use of resources require accurate application of scientific processes, including proper data collection and responsible conclusions. Activities will include webcasts, lab assignments and small group work.

**Introduction to Anatomy and Physiology – 1 Credit**

(A Credit Recovery version of this course is also available as needed.)

This class covers every major body system ranging from the skeletal system to special senses. With the complexity of the human body, each unit is covered using an outline to focus on the main topics. As students move throughout the class, they will not only learn about each body system, but how these body systems work together.

**Introduction to Scientific Principles – 1 Credit**

(A Credit Recovery version of this course is also available as needed.)

This course is an introductory course designed to introduce students to the basic concepts of science. Students will explore the history and nature of science with emphasis on fundamental concepts of biology, physics, and chemistry will exploring the relationship between science and everyday life.

**Physical Science – 1 Credit**

(A Credit Recovery version of this course is also available as needed.)

This course stresses basic concepts and logical methods of chemistry, physics and ecology as they apply to daily life. Upon completion of this course, students will be able to: explain fundamental scientific principles, distinguish kinds and phases of matter, classify matter, recognize the role of atomic structure in chemical bonding, reactivity, and radioactivity, state the difference between forms and kinds of energy, describe the electromagnetic nature of matter, be able to explain life processes and adaptations, and use the concept of force and motion to solve real world problems. This course will include live class lessons, research, written assignments, a midterm exam, and a final exam. *Course Materials: Physical Science Kit*

## **American History II – 1 Credit**

(A Credit Recovery version of this course is also available as needed.)

American History II begins during the period of reconstruction after the devastation left by the Civil War. From here, the course covers major wars, the roaring 1920's, Great Depression, Civil Rights and the Nixon Administration. Students work in unison with the teacher and each other through synchronous learning tools, email, and online chats to break down and analyze the political, social, and economic facets that changed radically from one presidential term to the next. *Course Materials: The Americans' Reconstruction to the 21st Century*

## **Psychology – 0.5 Credit**

Psychology is the scientific study of behavior and mental processes. It uses the scientific method to discover ways of understanding the complexities of human thought and behavior, as well as differences among people. Studying psychology gives students lifelong skills such as dealing with issues proactively, solving problems, learning, and nurturing healthy relationships. It helps students understand themselves, and deal with issues in their own lives such as inner conflicts, relationships with parents and peers, and intimacy. It also helps students understand societal problems like drug dependency, aggression, and discrimination. This course exposes students to the major topics found in the field of psychology. Students explore the scientific methods upon which psychology is based.

## **Sociology – 0.5 Credit**

The world is becoming more complex. How do your beliefs, values, and behavior affect the people around you and the world in which we live? Students examine social problems in our increasingly connected world, and learn how human relationships can strongly influence and impact their lives. Exciting online video journeys to an array of areas in the sociological world are an important component of this relevant and engaging course.

## **World Geography – 1 Credit**

(A Credit Recovery version of this course is also available as needed.)

In the World Geography course students will examine, discuss, and apply the five major themes of Geography to compare different world regions. The course begins with an investigation of the five themes of Geography—Location, Place, Movement, Human-Environment Interaction, and Region—and an overview of the main concepts of Human Geography including population trends, migration, culture, political geography, and economic geography. As the course continues, students will apply their knowledge of the five themes and concepts of Human Geography to analyze and compare the following world regions: Europe, Latin America, Sub-Saharan Africa, Southwest Asia, South Asia, and East Asia. Activities will include assignments, weekly live classes, and interactive forums. *Course Materials: Geography: The Human and Physical World*



### **World History – 1 Credit**

(A Credit Recovery version of this course is also available as needed.)

World History gives students the opportunity to visit the past, connect with the present, and look to the future. The course begins with the Renaissance and moves forward to cover the Scientific Revolution, exploration, African slave trade, Spain's Golden Age, the rise of Austria & Prussia and the Industrial Revolution. From here, students dive into more recent world history exploring the modernization of Japan, Latin America, Africa and the Middle East, WWI, Hitler and Nazi Germany and WWII. To conclude, studies of regional conflicts since 1945 are reviewed. Students will be required to use their knowledge of history, geography, economics, political processes, religion, ethics, diverse cultures, and humanities to solve problems in academic, civic, and social settings. This course will include live class lessons, research writing, narrative writing, a midterm exam, and a final exam.

### **US Government & Economics – 1 Credit**

(A Credit Recovery version of this course is also available as needed.)

In the American Government portion of the course, students will begin by reviewing the roots of American Democracy while examining different forms of government. Next we will introduce our founding fathers and the drafting and adoption of our Constitution. From there, students will investigate the three branches of our government and understand the checks and balances in place. Throughout the course students will gain knowledge of political participation and its importance on determining how our country will function and prosper. In the Economics portion of the course students will gain a broad overview of how economics shapes decisions made by individuals, groups of people, countries, and world institutions. Students will begin their study of Economics with an examination of the fundamental ideas that go into economic thinking and how markets work. From there, students will explore economic institutions and organizations, how economic output is measured, and what impact governments have on the market. Activities will include forums, simulations, project-based learning, and objective assessments. *Course Materials: Government Alive! Power, Politics, and You, Econ Alive! The Power to Choose*

### **Applied Physical Education – .5 Credit**

(A Credit Recovery version of this course is also available as needed.)

This course is a continuation of Introduction to Fitness. Students will continue learning the underlying fundamentals of a "fit for life" attitude. Students are required to complete a portfolio of fitness, which includes self-assessments and activities; this provides them with the opportunity to get active and improve fitness. In this course students will be exploring nutrients and food supplements, strengthening exercises, and learning to design individual fitness plans. Prerequisites: Introduction to Fitness. *Course Materials: Fitness for Life 6th Edition*

**Health – 1 Credit**

(A Credit Recovery version of this course is also available as needed.)

This course is designed to familiarize students with different health topics; they will consider the implications of decisions and behaviors for their physical, mental emotional, and social health. These three health elements, and the way they are interconnected, constitute the health triangle. This course will help students gain knowledge and skills that will support their efforts to create and maintain a balanced health triangle. Each of the concepts will be reinforced with outside readings. A course requirement includes weekly written observations in a journal. There will be a midterm and final exam. *Course Materials: Glencoe Health 2009*

**Introduction to Fitness – .5 Credit**

(A Credit Recovery version of this course is also available as needed.)

Introduction to Fitness is a comprehensive program designed to help teens take responsibility of their own activity, fitness, and health; and to prepare them to be physically active and healthy throughout their adult lives. Students will learn the underlying fundamentals for maintaining a healthy lifestyle. Students are required to complete weekly fitness journals which includes self-assessments and physical activities, which will provide them with the opportunity to be active. The course will cover benefits of lifelong fitness activities, injury and risk, cardiovascular and respiratory systems, skill-related and health-related fitness components, and fitness programing. After completing the course, students will be able to apply acquired knowledge about the benefits of physical activity to their overall health and wellness. *Course Materials: Fitness for Life 6th Edition*

**Business Marketing – .5 Credit**

The purpose of this course is to indoctrinate students into the ways in which a business presents its goods or services to the public. Students will learn about careers in marketing, the impact of social media today, consumer behavior patterns, the 4 P's of marketing, laws and regulations, marketing research, and how to the implement a marketing plan. The course will include readings, use of available technology, discussion boards, presentations, and the analysis of the current and future climate of marketing. This class will prepare those heading to college with an eye towards business or those interested in understanding how a product is made available to the consumer.

**Elements of Drama & Theater – .5 Credit**

This course is an overview of Western Theater beginning with the Ancient Greek and ending in 20th century. The course is designed to survey the historical aspects of theater and its growth, to reflect on the actor's job to build a character and tell a story, and to bring forward aspects of the backstage work that must occur when successfully performing that story. Students will be engaged in reflection on cultural influences on theater, analysis of character and scripts, creation of original works, and performance. *Course Materials: A Respect for Acting, A Pocketful of Plays- Vintage Drama Vol. 1*

### **Graphic Novel Seminar – .5 Credit**

This course examines graphic novels, a genre that has grown in popularity and renown in recent years. Students will study history, fiction, classic literature, and science fiction through these inventive books that combines literary texts and illustrations. In addition to analyzing these texts, students will be able to create their own stories and comics. The course may include readings, discussion boards, live class lessons, group work, projects, and presentations. Although these books were carefully selected for literary and artistic value, parents should be aware that some may contain images, language, or moments of violence that may not align with their personal values. If you are concerned about the content of these books, please contact the school to discuss your concerns with the teacher. *Course Materials: Laika, King Lear (GN), Katman, I Kill Giants, American Born Chinese, Maus*

### **Introduction to Forensic Science - .5 Credit**

Forensic science is the application of basic biological, chemical and physical science principles and technological practices to the purposes of justice in the study of criminal and civil issues. Major themes of study in this course will be pathology, anthropology, odontology, ballistics, trace evidence, entomology, DNA, fingerprints, impression evidence, questioned documents and forensic psychiatry/psychology. This course will present the scientific principles, basic laboratory and field methods forensic scientists use to solve problems. Students will take on the various roles of crime scene investigator, scientists and medical examiner in order to collect and evaluate evidence in a problem-solving environment. Prerequisites: Successful completion of Biology. *Course Materials: Forensic Science Kit* Prerequisites: Successful completion of Biology

### **Personal Finance - .5 Credit**

This course uses basic arithmetic skills to explore how the use of money impacts us personally in the world in which we live. Topics include finance, taxes, budgeting, banking, and home/car ownership. Examples of wages, income deductions, insurance, checking and saving accounts, credit, housing expenses, auto expenses, recreational spending, and the cost of transportation are studied. In the second half of the class, investing in your future is explored. Topics include school financing, debt and debt recovery, retirement planning vehicles and investing in stock and bond markets. At the course's conclusion, students will have been exposed to essential financial concepts and financial terms. In addition, this course will help students achieve a better awareness of the world economy and how they may interact with it for a bright and prosperous future.

## **Middle School Courses**

### **Language Arts 6 – Course Recovery - Grade 6**

The purpose of this course is to build a solid foundation in the reading, writing, vocabulary, and grammar skills that students will find essential throughout their lives. Students will also learn writing techniques, research skills, and test-taking skills. The class will explore many aspects of literature: fiction, nonfiction, poetry, media, art, the novel, and speech. Students will use the five steps of the Writing Process (prewriting, drafting, revising, editing, and publishing). The course will include readings, discussion boards, live class lessons, research, group work, and presentations. *Course Materials: From the Mixed-Up Files of Mrs. Basil E. Frankweiler*

### **Language Arts 7 - Course Recovery - Grade 7**

The purpose of this course is to familiarize students with elements of literature from various genres. Students will also learn writing techniques, research skills, and the rules of proper grammar usage. The class will explore many aspects of literature, including: fiction, nonfiction, poetry, media, art, drama, the novel, and speech. Students will use the five steps of the Writing Process (prewriting, drafting, revising, editing, and publishing). The course will include readings, discussion boards, live class lessons, research, group work, and presentations. *Course Materials: The Crossover*

### **Language Arts 8 - Course Recovery – Grade 8**

The purpose of this course is to build a solid foundation in the reading, writing, and grammar skills that students will find essential throughout their lives. Students will also learn writing techniques, research skills, and the rules of proper grammar usage. The class will explore many aspects of literature, including: fiction, nonfiction, poetry, media, drama, the novel, oral traditions, and speech. This course will teach both narrative and persuasive writing, and the elements of each of these styles. The course will include discussion boards, lecture, class discussion through live class lessons, research, collaborative group work, presentations, unit exams, and formal written essays. *Course Materials: Brown Girl Dreaming*

### **Math Principles - Course Recovery – Grade 6**

Topics will include exponents, factors, fractions, ratios, proportions, percents, probability, displaying data, and graphing using the coordinate plane. Throughout the course, students will incorporate math into real-world situations. This class includes online lessons, projects, practice, quizzes, exams and live class lessons.

### **Pre-Algebra - Course Recovery – Grade 7**

This course will provide a foundation for Algebra I. Course topics include: real numbers and linear equations, linear inequalities, factoring, fractions, graphing and some elements of geometry. Students will study rational number forms, integers, measurement, and draw conclusions about problem solving. They will be asked to provide written explanations that illustrate his or her thinking and process for solving problems. After completing the course, students will be able to use: integers and expressions to solve problems, decimals in equations, rational numbers, exponents, scientific notation, ratios, proportions, and percents. They will also be able to solve: equations, inequalities, right triangles, graph equations, and find area and volume of various solids. This class includes online lessons, projects, practice, quizzes, exams and live class lessons.

### **MS Algebra I A - Course Recovery - Grade 8**

This course builds upon pre-algebra skills by expanding on knowledge of variables or the “unknown.” Students extend their knowledge by using abstract thinking to understand mathematical concepts. Topics include radicals, greatest common factor, least common multiple, absolute value, exponents, operations with polynomials, linear equations, systems of equations, inequalities, and functions. Students are introduced to and assessed on the topics through various lessons, activities, practices, tests, and projects. This class includes online lessons, projects, practice, quizzes, exams and live class lessons.

### **Science 6 - Course Recovery - Grade 6**

The sixth grade science course employs the scientific method in many contexts as students design and carry out experiments to answer a variety of questions. Throughout the course, students actively investigate patterns of living things, cells and microbes, matter, chemical changes, and temperature. In the area of life science, students will study cells, bacteria, plants and animals. In earth science, students will study water from fresh water to the ocean. In physical science, students explore matter, the Periodic Table, and carbon in detail. This course was designed to follow and reinforce the Biology, Physical Science, Chemistry, Physics, and Earth Science Standards that are provided by the Pennsylvania Department of Education (PDE).

### **Science 7 - Course Recovery – Grade 7**

This science course will study a survey of sciences, which include parts of Biology, Physical Science (Chemistry, Physics, & Astronomy), and Earth Sciences. Students will learn that science is everywhere and that there are many connections between each of the sciences and the real world. Activities will include live class lessons and small group work. This science course requires mastery of the basic concepts early in the course to be able to understand and succeed later in the course. This course was designed to follow and reinforce the Biology, Physical Science, Chemistry, Physics, and Earth Science Standards that are provided by the Pennsylvania Department of Education (PDE).

### **Science 8 - Course Recovery – Grade 8**

This course is designed to provide 8th grade students with a solid foundation of basic Biology, Earth and Space Sciences, Physical Science, and Chemistry concepts and skills, while preparing them for a high school science course. Students will master these skills, while relating them to real life situations through a variety of activities and assignments, including discussion boards, small group work and a graphing, researching and writing assignment.

### **Ancient History through Modern Times - Grade 6**

This middle school World History course gives students the opportunity to explore history's beginnings, world religions, and how civilizations impacted not only other civilizations in the ancient world, but the modern world today. Ancient Rome, Greece, Africa, India, and China are explored. This will occur through activities, forum discussions, geography studies, live class lessons, and real-world connections to today's current events.

### **World Cultures – Grade 7**

The purpose of this course is to familiarize students with the major themes found in geography, including location, place, human environment, movement, and regions. The class will explore these aspects of geography in relation to our country and the world. This class will include live class lessons, group work, and presentations.

### **American History I– Grade 8**

American History I centers on the nature of the slave trade, colonization, and the American Revolution. The development of the Constitution, Civil War and Great Depression are also covered. Through interrogating eyewitness accounts, examining clues, and searching for evidence, students will develop critical thinking skills (evidence-gathering, analysis, synthesis, evaluation) using a variety of learning styles. Students will complete this course using live class lessons, small group work, and discussion forums. There will also be a comprehensive final exam.