



ACADEMIC TERM: 2022-2023

VLN ESSENTIALS

COURSE CATALOG



VLN Partners

Your Partners in Distance Education

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ABOUT VLN PARTNERS

VLN Partners is an educational consulting company that works closely with public schools to help them more effectively compete with cyber charter schools and other external education providers. Public school districts throughout the country rely on our products and services to implement and maintain online learning programs, including: full-time virtual academies, alternative education, homebound, tutoring programs, summer school, credit recovery programs, and enrichment and acceleration.

By emphasizing practical uses for instructional technology, we enable school districts to bring high-quality, online education to their students. Our holistic model for blended learning combines the very best aspects of the traditional bricks-and-mortar classroom and the ever-expanding online learning environment.

OUR COURSES

The courses included in this catalog will equip your students with an essential base knowledge. Our expert team of course developers and state-certified teachers has designed these courses to provide a rich and solid foundation that school districts can use immediately and build on in years to come. Our diverse catalog includes core subject areas, such as language arts and math, and elective courses, such as American Civil War and Forensic Science. In addition, we provide an extensive complement of NCAA approved courses for students pursuing athletic endeavors.

Though the classroom is virtual, the course framework utilizes specific, widely-adopted textbooks. The courses listed in this catalog have a consistent structure and are designed to provide students with engaging content, assignments and assessments. Weekly lesson modules include reading assignments supported by short answer assessments, essay questions, quizzes and traditional homework assignments. Courses are also supplemented with a wealth of web-based resources including: videos, interactive animations, supplemental materials from textbook publishers and a wide range of other engaging educational media.

STANDARDS ALIGNED INSTRUCTION

All courses are developed and mapped to meet state standards and the Common Core Standards. Our team has extensive experience and is able to integrate state standards-based content seamlessly within the context of each lesson and course. As a result, each student experiences a rich, deep understanding of content that is applicable to both local and state assessments.

GRADING

While some grading is done automatically within the learning management system, most grading for cyber school students is provided by VLN's highly-qualified, certified teachers. Grading for alternative education and other blended education programs is provided by school district teachers.

ADVANCED COURSES

Advanced Placement **AP**

Advanced Placement courses meet the rigorous standards of the College Board and are designed to prepare students to sit for the AP Exams.

Honors **H**

Honors courses provide a more rigorous and writing-intensive approach to the key skills and concepts that will be vital in post-secondary educational environments. These courses include more project-based assessments and more challenging and in-depth assessment as compared to Academic track courses.

COURSE TRACKS

Academic **A**

The Academic track offers students a curriculum designed to introduce key skills that will be vital in post-secondary educational environments. In addition to courses in the core content areas, the Academic track includes: physical education, health and wellness, foreign languages, senior project/graduation project, test prep and a wide variety of electives.

General Education **GE**

The General Education track mirrors the Academic track but eliminates essay questions from the required assignments for a less rigorous assessment strategy. This track is geared toward students who aren't planning to follow a traditional college preparatory curriculum.

Foundations **F**

The Foundations track provides a basic level of rigor for students who may have lower reading comprehension and math skills. The pace of the instruction for these courses is reduced, lessons include more interactive/engaging multimedia, and the assessment strategy requires students to complete portfolio assignments in order to practice key concepts. Students' knowledge is then demonstrated through mastery-based online quizzes and tests.

Computer Graded **CG**

The Computer Graded track provides a foundation of instruction and assessment for concept mastery. Students complete reading exercises and are presented with engaging and interactive lessons to support each concept. Students' knowledge is then demonstrated through mastery-based, auto-graded quizzes and tests.

ASSESSMENTS

Rigorous assessment and performance tracking is provided for all students through the courses in our learning management system. All courses contain a consistent, well-balanced framework of assignments and assessments designed to give teachers direct insight into students' understanding of content. Students are required to show their work and provide explanation in their responses to further demonstrate mastery. All courses are structured with a weekly module format and include:

ASSIGNMENTS

Correspond with the assigned textbook reading for each module and provide students with an opportunity to apply the concepts from their lesson.

SHORT ANSWERS

Require students to provide thorough responses that validate understanding of key concepts.

ESSAYS

Ask students to apply higher-level thinking to answer a complex topic-relevant question while also developing strong writing skills.

QUIZZES AND TESTS

Enable students to demonstrate mastery of content through multiple-choice and fill-in-the-blank assessments.

PROJECTS

Included in the courses, where relevant, and require students to research, plan and organize, as well as to adhere to formats and demonstrate writing capabilities.

ELEMENTARY

Kindergarten Art

This course provides students with a general overview of art and art concepts. Students will be introduced to various line styles, shapes, colors, space and form, texture, patterns, balance and unity. There will be plenty of hands-on experience for students.

COURSE: 18 weeks

Kindergarten Health and Wellness*

Students will cover five units that include showing, expressing and understanding your emotions and others around you, understanding how and why you grow and change, how to eat healthy and maintain proper hygiene and how to stay safe. This course provides a basic overview of each topic and is presented in a way that makes it easy for all students at this grade level to understand. Finally, the course includes an activity log with an expectation of 60 minutes of documented physical activity per five days of school.

COURSE: 18 weeks

Kindergarten Language Arts

This course is divided into four sections: phonics, grammar, reading and writing. Students will begin by reviewing the sounds of letters and blending sounds to make words. Each week, students will discover new sight words that will aid in their reading process. In the grammar section, students will explore basic grammar identification such as nouns, verbs and adjectives. By the end of the course, students will be able to identify and write simple sentences.

COURSE: 36 weeks

Kindergarten Math*

In this course, students will begin by reviewing the names of the numbers and how to count to 100. They will be able to master writing the numbers up to 20 and be able to answer the "how many?" question. Students will compare and classify objects and identify basic shapes. By the end of the course, students will be able to demonstrate basic addition and subtraction skills and understand place value.

COURSE: 36 weeks

Kindergarten Science*

Students will be exposed to three basic concepts: life science, earth and space science and physical science. During each unit, students will identify living and nonliving things, explain how plants and animals survive, describe different features of the Earth and other planets in the solar system and learn about changes in the weather. Students will also get a firsthand look at physics. They will identify matter, observe how it changes and explore forces and energy.

COURSE: 36 weeks

Kindergarten Social Studies

This course begins by exploring the different types of families and where we live. It then looks at how people lived long ago, why people work and why we have rules. Students will also get a very basic introduction to using maps and globes.

COURSE: 36 weeks

1st Grade Art

This course provides a more detailed introduction to art. Students will be able to identify the various types of lines in a picture and describe the mood and movement that the lines create. Students will also take a closer look at colors and their value. By the end of the course, students will be able to identify and describe balance, emphasis, harmony and variety in many different works of art. This course is hands-on and allows the student to practice the techniques described.

COURSE: 18 weeks

1st Grade Health and Wellness*

Students will learn about individual health and how to keep themselves safe from harm. They will explore topics that include healthy food choices, hygiene, making wise decisions and the dangers of drugs. This course expands upon the knowledge presented in the Kindergarten course and introduces new topics in a manner appropriate for this age group. Finally, the course includes an activity log with an expectation of 60 minutes of documented physical activity per five days of school.

COURSE: 18 weeks

*Textbook Independent.

1st Grade Language Arts

This course is divided into five sections: phonics, grammar, reading, writing and spelling. Students will build on the knowledge from the Kindergarten Language Arts course. In the phonics section, they will review all letter sounds and blend and read more complex words. In the grammar section, they will review basic grammar identification and expand upon their previous knowledge. Students will also add to their sight word list, which will help them read and write longer and more complex sentences and stories. Also in this course, students will begin to spell simple words.

COURSE: 36 weeks

1st Grade Math*

Students will build upon their basic knowledge of numbers and be able to write larger, 2-digit numbers. Students will also be able to count past 100 and complete 1- and 2-digit addition and subtraction problems, as well as solve basic equations. Students will begin to organize and interpret data and tell time to the half-hour. By the end of the course, students will be able to explain place value and identify, classify and measure various objects and lengths. They will also have a first-hand look at money and its value.

COURSE: 36 weeks

1st Grade Science

Students will add to the knowledge they acquired from the Kindergarten course. They will again explore the same three units: life science, earth and space science and physical science. Students will begin to classify living things into groups, identify habitats and life cycles of plants and animals, identify minerals and rocks found on the Earth, identify stars and planets in our solar system and describe matter and how things move.

COURSE: 36 weeks

1st Grade Social Studies

This course takes the basic information from the Kindergarten course and expands upon each topic. Students will discuss the different types of families and neighbors. They will also discuss how people lived long ago, when money was first produced and used and why people work. The course will also discuss the concepts of wants vs. needs and supply and demand. Finally, students will build on their basic understanding of government and how it works.

COURSE: 36 weeks

2nd Grade Art

Students will begin to develop more complex pieces of art. They will be able to describe the lines, movement and mood of their piece as well as identify warm, cool, light and dark colors. Students will also explore a variety of art styles and works that will aid in their understanding of balance, harmony and unity in art. This course is hands-on and allows students time to practice the skills and apply the concepts discussed.

COURSE: 18 weeks

2nd Grade Health and Wellness*

Students will begin to discuss feelings and how to get along with others. They will also identify important parts of the body and how they function, grow and change. Students will expand upon their knowledge of healthy eating, be introduced to the food guide pyramid and learn why exercise is an important part of their lives. The course will finish with a few lessons about staying safe, avoiding drugs, germs and the proper use of medication. Finally, the course includes an activity log with an expectation of 60 minutes of documented physical activity per five days of school.

COURSE: 18 weeks

2nd Grade Language Arts

This course is a continuation of the 1st Grade Language Arts course and is also divided into five sections: phonics, grammar, reading, writing and spelling. Each aspect explores and expands upon students' prior knowledge of the area. By the end of this course, students will be able to use complex sentences in short stories they write. They will also be able to read larger words and sound out the words that they do not know. Each week, students will practice and master the spelling of longer words.

COURSE: 36 weeks

2nd Grade Math*

Students will begin by adding and subtracting larger numbers and measuring longer items. They will also collect data and represent their findings in various graphs and charts. Their basic understanding of money will be expanded, and they will learn how to add and subtract money. Students will also be able to skip count by 5s, 10s and 100s and solve simple word problems. By the end of the course, students will be able to recognize and draw shapes as well as divide the shape into several parts.

COURSE: 36 weeks

*Textbook Independent.

2nd Grade Science

Students will build upon their learning from the previous science course. This course will focus on plants and animals in their habitats. Students will also explore the seasons and the solar system and be able to explain how day and night occur. They will also learn about Earth's natural resources. Toward the end of this course, students will take a closer look at how matter changes and can be changed.

COURSE: 36 weeks

2nd Grade Social Studies

Students will take a closer look at how we all live together in a community and in the world. The course will also explain the impact people from long ago have had on society today and discuss the formation of the government and its purpose. Students will also continue to develop their map and globe skills during this course.

COURSE: 36 weeks

3rd Grade Art

Students will expand upon their knowledge and develop art projects that explain various lines, shapes, colors, movements and textures. Students will also explore patterns, rhythm and unity within a piece of art. This course is hands-on and allows the students to show their creativity and understanding of each topic addressed.

COURSE: 18 weeks

3rd Grade Health and Wellness

Students will discuss mental and emotional health. They will also identify how to make and keep healthy relationships with family and friends, learn how bodies change and learn about personal health and safety at home, in school and outside. Students will also learn how to avoid violence. This course will also provide a simple overview of administering first aid and how to prevent diseases from spreading. Finally, the course includes an activity log with an expectation of 60 minutes of documented physical activity per five days of school.

COURSE: 18 weeks

3rd Grade Language Arts

Students will continue to study five aspects of language arts: phonics, grammar, reading, writing and spelling. Each aspect explores and expands upon students' prior knowledge of the area. In the phonics section, students will identify more complex blends to read longer words. In the grammar section, they will identify parts of sentences as well as parts of speech. Each week, students will be challenged with longer stories and more complex comprehension questions. By the end of this course, students will demonstrate their writing skills by using longer, more complex sentences in their stories. Each week, students will have new spelling words to master.

COURSE: 36 weeks

3rd Grade Math*

This course focuses on more complicated math topics and explores in depth the topics of multiplication and division. Students will be able to write and solve their own word problems as well as collect, interpret and represent data. This course also provides an introduction to fractions and measurements of time, liquids, volumes and masses.

COURSE: 36 weeks

3rd Grade Science

Students will study plants and animals and learn to classify them into groups. They will also begin to study the ecosystem and food web. Students will be able to explain why changes occur on Earth, how and why the planets move in the solar system and how to use our natural resources wisely. Students will end the course by exploring different forms of energy and motion.

COURSE: 36 weeks

3rd Grade Social Studies

Students will study various communities and will be able to explain how they change over time. Students will also be able to identify and explain many different cultures and what we can learn from each. The course will further discuss the different levels of government, and students will be able to explain how each branch of government helps citizens.

COURSE: 36 weeks

*Textbook Independent.

4th Grade Reading and Spelling

CG **A**

At this level, students continue to build knowledge of letters and sounds, syllables and word formation to increase their knowledge of reading and spelling words with multiple syllables. This course is designed to help students learn to read and spell more easily and accurately and to increase reading comprehension. Students in this course read both fiction and nonfiction materials.

COURSE: 36 weeks

4th Grade Writing and Grammar

CG **A**

In this course, students continue to develop their writing and grammar skills by practicing the skills necessary to write essays, stories, plays and fiction. Students begin to use literary devices in their writing and continue to develop good grammar skills.

This course urges students to focus on clarity of topic, task and audience of their writing by developing more complex sentences.

COURSE: 36 weeks

4th Grade Math

CG **A**

Students review place value and basic addition and subtraction facts before moving on to multiplication and division with 1-, 2- and 3-digit numbers. Fractions and decimals are also covered, along with the foundations of measurement, time and temperature. Students are introduced to data and various types of graphs and learn both how to create and interpret them. The thread of problem solving runs throughout each skill covered in the course.

COURSE: 36 weeks

4th Grade Science

CG **A**

At this level, students are exposed to a wide array of scientific topics and concepts. The year begins with a unit on life science and encompasses learning about cells, ecosystems, plants, animals and life processes. The next unit of study is entitled Earth Science: Earth and Beyond and includes learning about Earth's history, the sun, moon, planets, water and the weather. The final unit of study focuses on physical science and includes learning about the properties and changes of matter.

COURSE: 36 weeks

4th Grade Social Studies

CG **A**

The scope of learning for this class covers topics at the state, national and international levels. Through this course, students will be able to differentiate common characteristics of social, political, cultural and economic groups that are critical to our history. Students will also locate and analyze historical documents and artifacts to distinguish conflict and cooperation among different cultures and groups that have impacted the development of our nation and world. This course will also enhance the student's ability to use common geographic tools to interpret information on people, places and regions, as well as identify key principles and ideas within our governmental system.

COURSE: 36 weeks

4th Grade Art

CG **A**

In this 18-week art course, students will explore 6 units of art study, which include: Line, Shape, Pattern, Rhythm, Movement, Color and Value; Form, Texture and Emphasis; Space, Proportion and Distortion; Balance and Harmony; Variety; and Emphasis and Unity.

COURSE: 18 weeks

4th Grade Health and Wellness

CG **A**

In this 36-week course, students will learn about health and wellness. Students will complete 5 units of study, which include: Mental, Emotional, Family and Social Health; Growth and Nutrition; Personal Health and Safety; Drugs and Disease Prevention; and Community and Environmental Health. Topics will include: A Plan for Good Health, How Families Change, Body Systems, Nutrients, Good Grooming, Being Safe Outdoors, Tobacco and Health, Setting Healthy Goals and Making Responsible Decisions. Finally, the course includes an activity log with an expectation of 60 minutes of documented physical activity per five days of school.

COURSE: 36 weeks

4th Grade Music

CG **A**

In this 18-week music course, students will begin to explore the keyboard and musical notes. They will have the chance to play an interactive keyboard to experience the sounds of the notes first hand. They will also learn about the different notes on a staff and how to use rests when composing music. This course also provides a brief overview of several composers such as Bach, Haydn and Mozart.

COURSE: 18 weeks

5th Grade Reading and Spelling

CG

A

In this course, students build upon the reading comprehension and spelling skill sets they have studied at previous grade levels to read and comprehend both fiction and nonfiction texts independently by utilizing strategies such as re-telling, summarizing, note-taking, connecting to prior knowledge and extending ideas.

COURSE: 36 weeks

5th Grade Writing and Grammar

CG

A

At this level, students will write poems, stories and plays using literary elements and devices while maintaining a sharp, clear focus on the topics presented. At the 5th grade level, students build upon their knowledge of writing informational pieces with a focus on effective persuasive writing. Students begin to develop skills that help them to create a clearly-stated position or opinion in their writing that includes supporting details and cited sources.

COURSE: 36 weeks

5th Grade Math

CG

A

Students review place value and the basic mathematical operations before moving on to multiplication and division with 2- and 3-digit numbers. Addition, subtraction and multiplication with fractions and decimals are covered along with an introduction to concepts of geometry, perimeter and area. Students use both customary and metric units of measurement and further explore data, graphs and probability. The thread of problem solving runs throughout each skill covered in the course.

COURSE: 36 weeks

5th Grade Science

CG

A

At this level, students are introduced to important topics of life, earth and physical sciences. Topics in this class include characteristics of living things and their environments, Earth and its resources, astronomy, weather, climate and the properties of matter.

COURSE: 36 weeks

5th Grade Social Studies

CG

A

In this course, students will differentiate how continuity and change in U.S. history, world history and state history interact and are enacted. Students will illustrate concepts and knowledge through a variety of historical documents and artifacts while being able to locate primary and secondary sources for research. Students will also be able to identify our governmental system and describe the roles and responsibilities of governmental offices and officials. Finally, this course will enhance the students' familiarity with geography and the interactions between people, environment and regions.

COURSE: 36 weeks

5th Grade Art

CG

A

In this 18-week art course, students will explore 6 units of study, which include: Line, Shape and Value; Space, Shape and Form; Color and Pattern; Proportion and Distortion; Texture, Rhythm, Movement and Balance; and Harmony, Variety, Emphasis and Unity.

COURSE: 18 weeks

5th Grade Health and Wellness

CG

A

In this 36-week course, students will expand upon their earlier studies related to health and wellness. Topics of study include: Mental, Emotional, Family and Social Health; Growth and Nutrition; Personal Health and Safety; Drugs and Disease Prevention; The Stages of Life; How to Handle Emergencies; Resisting Pressure; Signs of Illness and Careers in Health and Fitness. Healthy lifestyle choices are explored and encouraged. Finally, the course includes an activity log with an expectation of 60 minutes of documented physical activity per five days of school.

COURSE: 36 weeks

5th Grade Music

CG

A

In this 18-week course, students will expand upon the basic knowledge from the 4th grade course. They will study composers such as Brahms, Chopin and Tchaikovsky. They will also begin to compose more complex music, incorporating a grand staff, various notes and rests. Finally, students will begin to understand different musical scales and intervals.

COURSE: 18 weeks

Social Skills for Elementary School

In this course, elementary students will learn about recognizing and controlling both positive and negative emotions, strategies and tips for dealing with bullying, and how to build their own self-confidence. Students learn about being a good friend, and how to recognize and handle a situation in which someone is not being a good friend to them.

COURSE: 18 weeks | SUGGESTED GRADE LEVEL: K-3

Social Skills for Pre-Teens

CG

A

In this course, upper elementary students will learn about and develop different aspects of character, including traits such as forgiveness, honesty, and respect. Students complete a variety of activities to encourage them to practice these traits in their daily lives. They are also presented with hypothetical situations to work through personal conflicts and challenges with friends and family members.

COURSE: 18 weeks | SUGGESTED GRADE LEVEL: 4-5

LANGUAGE ARTS

6th Grade Language Arts



At this level, students explore the genres of poetry, fiction and nonfiction. They gain a better understanding of basic grammar, including: punctuation, parts of a sentence and more. They also learn how to compose narrative, persuasive and informative essays.

COURSE: 36 weeks

7th Grade Language Arts



In 7th grade, students build upon their existing reading skills and focus on increasing their metacognitive abilities through careful analysis. They further explore poetry, fiction and nonfiction and begin to learn about a fourth type of writing — drama.

They increase their grammar skills by combining sentences and mastering other writing techniques. Their writing expectations become increasingly sophisticated as they work on narrative, persuasive and informative essays.

COURSE: 36 weeks

8th Grade Language Arts



Fables, speeches and nonfiction (namely, The Diary of Anne Frank) are at the heart of this language arts course. Topics of exploration include characterization, point of view, rhythm and other writing techniques. Students further hone their grammar skills with an emphasis on improving and strengthening sentences and writing in a variety of styles for different purposes.

COURSE: 36 weeks

9th Grade Language Arts



In this entry-level high school course, students explore fiction and nonfiction writing techniques such as foreshadowing and theme. They read classic literature and authors and become acquainted with Shakespeare's Romeo and Juliet, excerpts from Maya Angelou's I Know Why the Caged Bird Sings and various poems by Robert Frost. They continue to develop their writing skills as they compose increasingly sophisticated and well-organized narrative, persuasive and informative essays.

COURSE: 36 weeks

Honors 9th Grade Language Arts



This is a more rigorous version of 9th Grade Language Arts. Throughout this course, students complete additional writing assignments of varying lengths, with shorter responses analyzing the characters in "The Necklace" and writing blank verse to mimic the language of Romeo and Juliet. They will also write additional extended responses, including an analysis of an author's style. This course also includes an independent reading novel study of Jane Austen's Pride and Prejudice.

COURSE: 36 weeks | SUGGESTED GRADE LEVEL: 9

10th Grade Language Arts



The focus in 10th Grade Language Arts is on multicultural literature. Students read classic dramas such as Shakespeare's Julius Caesar and Sophocles' Antigone while also coming to appreciate Japanese tankas and Mark Twain's wit. Students study literary techniques, including: plot structure, symbolism and more. After reading these various styles of writing, students get to try their hands at drafting their own examples, which they work to improve through the writing process.

COURSE: 36 weeks

Honors 10th Grade Language Arts



This is a more rigorous version of 10th Grade Language Arts. Throughout this course, students complete additional writing assignments of varying lengths, with shorter responses analyzing and describing the characters in short stories and examining the theme in Shakespeare's Julius Caesar. They will also write additional extended responses, including a comparison-contrast essay focusing on theme, setting, and characters. This course also includes an independent reading novel study of Charlotte Brontë's Jane Eyre.

COURSE: 36 weeks | SUGGESTED GRADE LEVEL: 10

American Literature



In 11th grade, students study American literary traditions. They learn about such literary schools and influences as Puritanism, Transcendentalism, Romanticism, the Harlem Renaissance and Modernism. In addition to an extensive research paper, students write narrative, persuasive and informative essays.

COURSE: 36 weeks

Honors American Literature

CG

H

This is a more rigorous version of American Literature. Throughout this course, students complete additional writing assignments of varying lengths, with shorter responses synthesizing Native American values and comparing the poetic innovations of Walt Whitman and Emily Dickinson. They will also write additional extended responses, including a problem-solution essay examining a real-world issue of their choice. This course also includes two independent reading novel studies: Nathaniel Hawthorne's *The Scarlet Letter* and Kate Chopin's *The Awakening*.

COURSE: 36 weeks | SUGGESTED GRADE LEVEL: 11

British Literature

CG

F

GE

A

Students in this course study important British literature, including *Beowulf*, *Macbeth* and *Gulliver's Travels*, as well as read poignant examples of writing from literary schools such as Romanticism and the Victorians. There is a strong emphasis on writing throughout the course, which culminates with an extensive research paper.

COURSE: 36 weeks

Honors British Literature

CG

H

This is a more rigorous version of British Literature. Throughout this course, students complete additional writing assignments of varying lengths, with shorter responses evaluating metaphysical conceits and analyzing modernist detachment. They will also write additional extended responses, including a reflective essay connecting Romantic poetry to their own lives. This course also includes two independent reading tasks: Shakespeare's *Hamlet* and Charles Dickens's *A Tale of Two Cities*.

COURSE: 36 weeks | SUGGESTED GRADE LEVEL: 12

Writing Foundations

CG

F

GE

A

Throughout this course, students will concentrate on improving their knowledge of grammar in a series of extended writing projects, including narrative, argumentative, and informative essays. Writing Foundations is intended to supplement the writing and grammar instruction in the 9th and 10th Grade Language Arts courses to provide students with additional, remedial practice for mastery of these skills.

COURSE: 36 weeks

MATHEMATICS

Mathematics - Course 1

CG F GE A

Students in this course work with fractions, decimals and percentages. They use these tools to solve problems relating to geometry, algebra and probability. They develop, implement and evaluate problem-solving plans for various types of mathematical problems.

COURSE: 36 weeks | SUGGESTED GRADE LEVEL: 6

Mathematics - Course 2

CG F GE A

In this course, students expand upon their working knowledge acquired in Course 1. They also apply their understanding of numbers to describe relationships between shapes and are encouraged to use these skills to solve algebraic equations and become familiar with rates of change and other patterns.

COURSE: 36 weeks | SUGGESTED GRADE LEVEL: 7

Mathematics - Course 3

CG F GE A

Students in Course 3 learn to evaluate and solve multi-step equations and functions to serve as a foundation for future work in geometry, measurement and probability. Students will be able to display their solutions in tables, graphs and equations.

COURSE: 36 weeks | SUGGESTED GRADE LEVEL: 8

Pre-Algebra

CG F GE A

This course is the first formal introduction to the concepts and language of algebra. Students become familiar with positive and negative rational numbers, proportions and how those numbers relate to each other through algebraic operations. These skills form a foundation that will help students in later math and science courses.

COURSE: 36 weeks | SUGGESTED GRADE LEVEL: 8/9

Algebra I

CG F GE A

At this level, students study the existence of patterns within mathematical models and display them graphically. They examine varying rates of change and the impact of a changing variable on an algebraic expression. These skills will be used to perform various mathematical operations on polynomial expressions.

COURSE: 36 weeks | SUGGESTED GRADE LEVEL: 9

Honors Algebra I

CG H

At this level, students study the existence of patterns within mathematical models and display them graphically. They examine varying rates of change and the impact of a changing variable on an algebraic expression. These skills will be used to perform various mathematical operations on polynomial expressions. This honors level course will include more rigorous assignments and quizzes.

COURSE: 36 weeks | SUGGESTED GRADE LEVEL: 9

Algebra 1A

CG GE

This Common-Core aligned course emphasizes the remediation of prerequisite skills to ensure all students master the concepts of Algebra. The course guides students through the major topics of Algebra 1 using interactive lessons with guided notes, sample problems, and problem-and-solution style mini-lessons that demonstrate each concept in the course.

COURSE: 36 weeks | SUGGESTED GRADE LEVEL: 9

Algebra 1B

CG GE

This Common-Core aligned course emphasizes the remediation of prerequisite skills From Algebra 1A to ensure all students master the concepts of Algebra. The course guides students through the major topics of Algebra 1 using interactive lessons with guided notes, sample problems, and problem-and-solution style mini-lessons that demonstrate each concept in the course.

COURSE: 36 weeks | SUGGESTED GRADE LEVEL: 9

Geometry

CG F GE A

In this course, students learn about associations between geometry, algebra and measurement. Students are encouraged to analyze 2- and 3-dimensional geometric shapes. They utilize the coordinate plane to demonstrate relationships between points.

COURSE: 36 weeks | SUGGESTED GRADE LEVEL: 10

Honors Geometry

CG H

In this course, students learn about associations between geometry, algebra and measurement. Students are encouraged to analyze 2- and 3-dimensional geometric shapes. They utilize the coordinate plane to demonstrate relationships between points. This honors level course will include more rigorous assignments and quizzes.

COURSE: 36 weeks | SUGGESTED GRADE LEVEL: 10

Algebra II



Students now focus on evaluating and solving algebraic, quadratic, exponential and logarithmic expressions. These concepts will be integrated into mathematical and geometric models involving series and sequences. Students study these models through a combination of systems of equations and graphing.

COURSE: 36 weeks | SUGGESTED GRADE LEVEL: 11

Honors Algebra II



Students now focus on evaluating and solving algebraic, quadratic, exponential and logarithmic expressions. These concepts will be integrated into mathematical and geometric models involving series and sequences. Students study these models through a combination of systems of equations and graphing. This honors level course will include more rigorous assignments and quizzes.

COURSE: 36 weeks | SUGGESTED GRADE LEVEL: 11

Trigonometry



This course in trigonometry helps students gain an understanding of exponential, logarithmic and trigonometric functions. Students are exposed to symbols, terminology and rules of trigonometry. They learn how to identify, describe, analyze and evaluate polynomial forms of these functions.

COURSE: 36 weeks | SUGGESTED GRADE LEVEL: 12

Honors Trigonometry



This course in trigonometry helps students gain an understanding of exponential, logarithmic and trigonometric functions. Students are exposed to symbols, terminology, and rules of trigonometry. They learn how to identify, describe, analyze and evaluate polynomial forms of these functions. This honors level course will include more rigorous assignments and quizzes.

COURSE: 36 weeks | SUGGESTED GRADE LEVEL: 12

Pre-Calculus



In this course, students will be exposed to a wide array of mathematical concepts. Topics will include: Fundamentals of Calculus, Equations and Inequalities, Functions, Polynomial and Rational Functions, Applications to Optimization, Trigonometric Functions and Conic Sections.

COURSE: 36 weeks | SUGGESTED GRADE LEVEL: High School

Honors Pre-Calculus



In this course, students will be exposed to a wide array of mathematical concepts. Topics will include: Fundamentals of Calculus, Equations and Inequalities, Functions, Polynomial and Rational Functions, Applications to Optimization, Trigonometric Functions and Conic Sections. This honors level course will include more rigorous assignments and quizzes.

COURSE: 36 weeks | SUGGESTED GRADE LEVEL: High School

Calculus



In this advanced course, students focus intensively on plane analytic geometry and solid analytic geometry. This concept is then integrated with differential and integral calculus. The mean value theorem, the fundamental theorems of differential and integral calculus and ordinary and uniform continuity are emphasized.

COURSE: 36 weeks | SUGGESTED GRADE LEVEL: High School

Honors Calculus



In this advanced course, students focus intensively on plane analytic geometry and solid analytic geometry. This concept is then integrated with differential and integral calculus. The mean value theorem, the fundamental theorems of differential and integral calculus and ordinary and uniform continuity are emphasized. This honors level course will include more rigorous assignments and quizzes.

COURSE: 36 weeks | SUGGESTED GRADE LEVEL: High School

SCIENCE

Middle School Physical Science



This course introduces students to important topics in physical science. Students receive an overview of concepts related to chemistry and physics and how these concepts can be applied in real life. Topics covered include: matter, atoms, mixtures, energy, forces, temperature, heat, work, electricity and magnetism.
COURSE: 36 weeks | SUGGESTED GRADE LEVEL: 6

Life Science



As part of this course in life science, students study living organisms, the structure and function of the cell, heredity, evolution, viruses, bacteria, plants, animals and how living things interact in the environment.
COURSE: 36 weeks | SUGGESTED GRADE LEVEL: 7

Earth Science



In their study of Earth Science, students learn about Earth's materials and the changes to its surface and interior, along with the forces that cause those changes. Other topics covered include weather and climate, the ocean and the study of our solar system, galaxies and the universe.
COURSE: 36 weeks | SUGGESTED GRADE LEVEL: 8

Biology



This biology course includes topics of study such as cell structure and function, photosynthesis, cellular respiration, mitosis and meiosis, genetics and heredity, evolution and ecology and environmental sciences. Students will be able to apply the theory of cell biology to all living organisms.
COURSE: 36 weeks | SUGGESTED GRADE LEVEL: 9

Honors Biology



This biology course includes topics of study such as cell structure and function, photosynthesis, cellular respiration, mitosis and meiosis, genetics and heredity, evolution and ecology and environmental sciences. Students will be able to apply the theory of cell biology to all living organisms. As an Honors Course, additional formative and summative assessments have been added to prompt students to use higher depth of knowledge skills.
COURSE: 36 weeks | SUGGESTED GRADE LEVEL: 9

Chemistry



In this class, students are introduced to principles of chemistry and their applications. The course explores general chemistry topics and problem solving skills. Topics covered include: matter and change, measurement, the periodic table, chemical bonding and reactions, stoichiometry and reaction kinetics.
COURSE: 36 weeks | SUGGESTED GRADE LEVEL: 10

Honors Chemistry



In this class, students are introduced to principles of chemistry and their applications. The course explores general chemistry topics and problem solving skills. Topics covered include: matter and change, measurement, the periodic table, chemical bonding and reactions, stoichiometry and reaction kinetics. As an Honors Course, additional formative and summative assessments have been added to prompt students to use higher depth of knowledge skills.
COURSE: 36 weeks | SUGGESTED GRADE LEVEL: 10

Physics



Students study algebra-based concepts in this course that emphasize kinematics in one and two dimensions, forces and Newton's Laws of Motion, work and energy, circular motion, momentum and collisions, vibration and waves and electrical energy. They further develop problem-solving skills that can be applied across the sciences.
COURSE: 36 weeks | SUGGESTED GRADE LEVEL: 11

Honors Physics



Students study algebra-based concepts in this course that emphasize kinematics in one and two dimensions, forces and Newton's Laws of Motion, work and energy, circular motion, momentum and collisions, vibration and waves and electrical energy. They further develop problem-solving skills that can be applied across the sciences. As an Honors Course, additional formative and summative assessments have been added to prompt students to use higher depth of knowledge skills.
COURSE: 36 weeks | SUGGESTED GRADE LEVEL: 11

Environmental Science



Through this environmental science course, students extensively explore biological and ecological topics, including: ecosystems, human populations, biodiversity, renewable and non-renewable resources and waste. They learn how humans impact the environment and about the economics and policies related to environmental issues.
COURSE: 36 weeks | SUGGESTED GRADE LEVEL: 12

Honors Environmental Science

CG

H

Through this environmental science course, students extensively explore biological and ecological topics, including: ecosystems, human populations, biodiversity, renewable and non-renewable resources and waste. They learn how humans impact the environment and about the economics and policies related to environmental issues. As an Honors Course, additional formative and summative assessments have been added to prompt students to use higher depth of knowledge skills.

COURSE: 36 weeks | SUGGESTED GRADE LEVEL: 12

General Science

CG

F

GE

A

Students beginning high school will benefit greatly from taking this course designed to merely introduce the many areas of science. In this course, students will be introduced to the subjects of physics, chemistry, biology, Earth science, and astronomy. Upon completion, students will receive the background knowledge necessary to feel confident going into any of their future science courses.

COURSE: 36 weeks | SUGGESTED GRADE LEVEL: High School

Honors General Science

CG

H

Students beginning high school will benefit greatly from taking this course designed to merely introduce the many areas of science. In this course, students will be introduced to the subjects of physics, chemistry, biology, Earth science, and astronomy. Upon completion, students will receive the background knowledge necessary to feel confident going into any of their future science courses. As an Honors Course, additional formative and summative assessments have been added to prompt students to use higher depth of knowledge skills.

COURSE: 36 weeks | SUGGESTED GRADE LEVEL: High School

High School Physical Science

CG

F

GE

A

High School Physical Science is designed to build upon students' prior knowledge from Middle School Physical Science. In this course, students will continue to learn about matter, energy, and motion. Additionally, projects are integrated into the course to allow students to begin exploring inquiry-based learning strategies.

COURSE: 36 weeks | SUGGESTED GRADE LEVEL: High School

Honors High School Physical Science

CG

H

High School Physical Science is designed to build upon students' prior knowledge from Middle School Physical Science. In this course, students will continue to learn about matter, energy, and motion. Additionally, projects are integrated into the course to allow students to begin exploring inquiry-based learning strategies. As an Honors Course, additional formative and summative assessments have been added to prompt students to use higher depth of knowledge skills.

COURSE: 36 weeks | SUGGESTED GRADE LEVEL: High School

SOCIAL STUDIES

Middle School World History

CG F GE A

Middle school students begin their study of world history by exploring human history from ancient civilizations to the modern world. They examine the major themes of world history (geography, economics, government, citizenship, culture, global relations, science and technology and constitutional heritage). The text is supported by primary sources, maps and online resources.
COURSE: 36 weeks | SUGGESTED GRADE LEVEL: 6

World Geography

CG F GE A

In World Geography, students receive an overview of the cultural and physical geography of the world. They develop critical thinking skills as they explore the seven continents of the world. The text is supported by online resources that include maps, videos, primary and secondary sources and quizzes that help reinforce effective citizenship.
COURSE: 36 weeks | SUGGESTED GRADE LEVEL: 7

Middle School U.S. History I

CG F GE A

This middle school level course gives students an overview of American history from colonization to Reconstruction. They journey through various themes of American history, including culture and traditions, geography, government and democracy, and civic rights and responsibilities as they grow to understand what it means to be an American today.
COURSE: 36 weeks | SUGGESTED GRADE LEVEL: 8

High School U.S. History I

CG F GE A

This high school level course gives students an overview of American history from pre-colonization to the turn of the twentieth century. They journey through various themes of American history, including culture and traditions, geography, government and democracy, and civic rights and responsibilities as they grow to understand what it means to be an American today.
COURSE: 36 weeks | SUGGESTED GRADE LEVEL: 9

Honors High School U.S. History I

CG H

This course provides a more stringent overview of the events of U.S. History from pre-colonization to the turn of the twentieth century with added reading exercises and assignments, that are apart from the academic level course. These added assignments will foster a deeper understanding of United States History. This high school level course gives students an overview of American history from pre-colonization to the turn of the twentieth century. They journey through various themes of American history as they grow to understand what it means to be an American today.
COURSE: 36 weeks | SUGGESTED GRADE LEVEL: 9

High School U.S. History II

CG F GE A

This course provides students with an overview of American history starting with Reconstruction and continuing on to modern day. World War I, World War II and the post-World War II periods are extensively explored.
COURSE: 36 weeks | SUGGESTED GRADE LEVEL: 11

Honors High School U.S. History II

CG H

This course provides a more stringent overview of the events of U.S. History from Reconstruction to the modern day with added reading exercises and assignments, that are apart from the academic level course. These added assignments will foster a deeper understanding of United States History. This course provides students with an overview of American history starting with Reconstruction and continuing to modern day. World War I, World War II and the post-World War II periods are extensively explored.
COURSE: 36 weeks | SUGGESTED GRADE LEVEL: 11

Civics

CG F GE A

In this class, students take an engaging, current and relevant look at the foundations of American government, citizenship and the American economic and legal systems. A wide variety of instructional tools are used to motivate students to participate, make decisions and take action both in and out of the classroom.
COURSE: 36 weeks | SUGGESTED GRADE LEVEL: 9

Honors Civics

CG H

This course provides a more stringent overview of the workings of American Civics education with added reading exercises and assignments, that are apart from the academic level course. These added assignments will foster a deeper understanding of Civics education. In this class, students take an engaging, current and relevant look at the foundations of American government, citizenship and the American economic and legal systems.
COURSE: 36 weeks | SUGGESTED GRADE LEVEL: 9

High School World History

CG

F

GE

A

High school students explore the history of our world from ancient civilizations to the modern world in this course. They further examine the themes of world history (geography, economics, government, citizenship, culture, global relations, science and technology and constitutional heritage). The text supports higher-level thinking with primary sources, maps and online resources.

COURSE: 36 weeks | SUGGESTED GRADE LEVEL: High School

Honors High School World History

CG

H

This course provides a more stringent overview of the events of World History with added reading exercises and assignments, that are apart from the academic level course. These added assignments will foster a deeper understanding of World History. High school students explore the history of our world from ancient civilizations to the modern world in this course. They further examine the themes of world history (geography, economics, government, citizenship, culture, global relations, science and technology and constitutional heritage). The text supports higher-level thinking with primary sources, maps and online resources.

COURSE: 36 weeks | SUGGESTED GRADE LEVEL: High School

Economics/American Government

CG

F

GE

A

At this level, students achieve a fundamental understanding of core economic principles through a multi-dimensional program. Through text, graphics, videos and online resources, key concepts are developed and supported by a variety of activities to help students apply their newly-acquired knowledge to the real world. Students will also study critical components of our government system. By examining a variety of primary sources and current events, they will learn about the three branches of government and how each works independently and interdependently.

COURSE: 36 weeks | SUGGESTED GRADE LEVEL: 12

Honors Economics/American Government

CG

H

This course provides a more stringent overview of the workings of the study of Economics and the American system of government with added reading exercises and assignments, that are apart from the academic level course. These added assignments will foster a deeper understanding of Economics and the American System of government. At this level, students achieve a fundamental understanding of core economic principles through a multi-dimensional program. Through text, graphics, videos and online resources, key concepts are developed and supported by a variety of activities to help students apply their newly acquired knowledge to the real world. Students will also study critical components of our government system.

COURSE: 36 weeks | SUGGESTED GRADE LEVEL: 12

American Government

CG

F

GE

A

This course provides an introduction to the workings of the American system of government. Students study critical components of our government system today — such as the Constitution and the amendments. They learn about the three branches of government, the role each plays and how each works independently. Students also examine current events as a major part of the course.

COURSE: 36 weeks | SUGGESTED GRADE LEVEL: 12

Honors American Government

CG

H

This course provides a more stringent overview of the workings of the American system of government. This course will provide students with added reading exercises and assignments, that are apart from the academic level course. These added assignments will foster a deeper understanding of the American Government process. Students study critical components of our government system today — such as the Constitution and the amendments. They learn about the three branches of government, the role each plays and how each works independently. Students also examine current events as a major part of the course.

COURSE: 36 weeks | SUGGESTED GRADE LEVEL: 12

Economics

CG

F

GE

A

This course equips students with an understanding of basic economic principles and how they relate to real-world situations. Students study the roles of government, business and individuals within different levels of the economy. They also examine the varying challenges and variables within economic systems.

COURSE: 36 weeks | SUGGESTED GRADE LEVEL: 12

Honors Economics

CG

H

This course provides a more stringent overview of the workings of the study of Economics. This course will provide students with added reading exercises and assignments, that are apart from the academic level course. These added assignments will foster a deeper understanding of Economics. This course equips students with an understanding of basic economic principles and how they relate to real-world situations. Students study the roles of government, business, and individuals within different levels of the economy. They also examine the varying challenges and variables within economic systems.

COURSE: 36 weeks | SUGGESTED GRADE LEVEL: 12

ADVANCED PLACEMENT

AP English Language and Composition

AP

This college-level course is designed to provide the in-depth reading and writing skills that students need for college success. Critical and responsive reading skills are cultivated and developed using diverse fiction and nonfiction texts. Writing activities support and deepen students' understanding and control of formal conventions of written language, while broadening their understanding of how language is used rhetorically in formal and informal texts. This course meets the rigorous standards of the College Board and was designed to prepare students to sit for the AP English Language and Composition Exam.

COURSE: 36 weeks

AP English Literature and Composition

AP

This college-level course helps students hone their critical literary analysis skills. Through intensive reading assignments, students explore language, character, action and theme. Students also write compositions representing a variety of genres, including literary analysis, exposition, argument, narrative and creative writing. This course meets the rigorous standards of the College Board and was designed to prepare students to sit for the AP English Literature and Composition Exam.

COURSE: 36 weeks

AP Calculus (AB)

AP

This college-level course addresses such topics as elementary functions, properties of functions and their graphs, limits and continuity, differential calculus and integral calculus. Students are expected to work with functions graphically, numerically and analytically. Challenging and engaging assignments reinforce the content. This course meets the rigorous standards of the College Board and was designed to prepare students to sit for the AP Calculus AB Exam.

COURSE: 36 weeks

AP Calculus (BC)

AP

This college-level course focuses on the calculus of functions of a single variable. Students will build upon topics taught in Calculus AB, including but not limited to limits, derivatives, integrals and approximation. Throughout the course, emphasis is placed on using multiple representations by expressing concepts graphically, numerically, analytically and verbally. This course meets the rigorous standards of the College Board and was designed to prepare students to sit for the AP Calculus BC Exam.

COURSE: 36 weeks

AP Statistics

AP

AP Statistics is designed to introduce students to the major concepts and tools for data collection and analysis. Students will draw conclusions from data using technology and problem solving. Major themes covered in this course include data exploration, sampling and experimentation, patterns, and statistical inference. This course meets the rigorous standards of the College Board and was designed to prepare students to sit for the AP Statistics Exam.

COURSE: 36 weeks

AP Biology

AP

This college-level course focuses on conceptual understandings of four big ideas: 1) The process of evolution drives the diversity and unity of life; 2) Biological systems utilize free energy and molecular building blocks to grow, to reproduce and to maintain dynamic homeostasis; 3) Living systems store, retrieve, transmit and respond to information essential to life processes; 4) Biological systems interact, and these systems and their interactions possess complex properties. Challenging and engaging assignments reinforce the content. This course meets the rigorous standards of the College Board and was designed to prepare students to sit for the AP Biology Exam. Students planning to take the AP Exam must complete hands-on labs at the school district to fulfill college board requirements.

COURSE: 36 weeks | On-Site Lab Required

AP Chemistry

AP

This college-level course covers such topics as atomic theory and structure, chemical bonding, states of matter and reactions. Challenging and engaging assignments reinforce the content. This course meets the rigorous standards of the College Board and was designed to prepare students to sit for the AP Chemistry Exam. Students planning to take the AP Exam must complete hands-on labs at the school district to fulfill college board requirements.

COURSE: 36 weeks | On-Site Lab Required

AP Environmental Science

AP

This college-level course provides students with the scientific principles, concepts and methodologies required to understand the interrelationships of the natural world. Students will identify and analyze environmental problems that are both natural and human-made. They will evaluate the risks associated with these problems and examine alternative solutions to addressing them. This course meets the rigorous standards of the College Board and was designed to prepare students to sit for the AP Environmental Science Exam. Students planning to take the AP Exam must complete hands-on labs at the school district to fulfill college board requirements.

COURSE: 36 weeks | On-Site Lab Required

AP United States History

AP

This college-level course is an intensive study of United States history from 1492 to the present. Students learn how to analyze, evaluate and interpret historical sources and evidence. This course requires extensive reading, research and writing and meets the rigorous standards of the College Board. It was designed to prepare students to sit for the AP U.S. History Exam.

COURSE: 36 weeks

AP European History

AP

This college-level course covers European history from the High Renaissance to the present. Topics include important political, economic, religious, social and intellectual developments that occurred in Europe during that time period. Students demonstrate understanding of historical events and themes through a variety of challenging and engaging writing assignments. This course meets the rigorous standards of the College Board and was designed to prepare students to sit for the AP European History Exam.

COURSE: 36 weeks

AP World History

AP

This college-level course examines world history over the past thousand years. Students develop a deeper understanding of the evolution of and interactions between cultures, regions and institutions. By concentrating on historical global events, students also explore the impact of changes within an international framework. Challenging and engaging assignments reinforce the content. This course meets the rigorous standards of the College Board and was designed to prepare students to sit for the AP World History Exam.

COURSE: 36 weeks

AP United States Government and Politics

AP

This college-level course will give students an analytical perspective on government and politics in the United States. This course includes both the study of concepts used to interpret U.S. government and politics and the analysis of specific examples. It also requires familiarity with various institutions, groups, beliefs and ideas that constitute U.S. government and politics. Students will be able to describe and compare concepts and theories pertaining to U.S. government, explain patterns of political process and behaviors, interpret data and critically analyze relevant theories and concepts. This course meets the rigorous standards of the College Board and was designed to prepare students to sit for the AP U.S. Government and Politics Exam.

COURSE: 36 weeks

AP Human Geography

AP

This college-level course will introduce students to the systematic study of patterns. Aside from interpreting maps and analyzing geospatial data, students will learn to define regions and evaluate the regionalization process, characterize and analyze changing interconnections among places, and understand and explain the implications of associations and networks among phenomena in places. This course meets the rigorous standards of the College Board and was designed to prepare students to sit for the AP Human Geography Exam.

COURSE: 36 weeks

AP Macroeconomics

AP

The purpose of the AP Macroeconomics course is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination, and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. This course meets the rigorous standards of the College Board and was designed to prepare students to sit for the AP Macroeconomics Exam.

COURSE: 36 weeks

AP Microeconomics

AP

The purpose of the AP Microeconomics course is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economics system. It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and the role of government in promoting greater efficiency and equity in the economy. This course meets the rigorous standards of the College Board and was designed to prepare students to sit for the AP Microeconomics Exam.

COURSE: 36 weeks

AP Psychology

AP

This college-level course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They will also learn about the ethics and methods psychologists use in the science and in practice. This course meets the rigorous standards of the College Board and was designed to prepare students to sit for the AP Psychology Exam.

COURSE: 36 weeks

AP Physics 1: Algebra-Based

AP

This college-level course is an algebra-based, introductory physics course. Students explore topics such as Newtonian mechanics, rotational motion, work, energy, power, mechanical waves, sound and an introduction to circuits. This course meets the rigorous standards of the College Board and was designed to prepare students to sit for the AP Physics 1: Algebra-Based Exam.

Students planning to take the AP Exam must complete hands-on labs at the school district to fulfill college board requirements.

COURSE: 36 weeks | On-Site Lab Required

AP Physics 2: Algebra-Based

AP

This college-level course is an algebra-based, introductory physics course. Students explore topics such as fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic and nuclear physics. This course meets the rigorous standards of the College Board and was designed to prepare students to sit for the AP Physics 2: Algebra-Based Exam. Students planning to take the AP Exam must complete hands-on labs at the school district to fulfill college board requirements.

COURSE: 36 weeks | On-Site Lab Required

AP Spanish Language and Culture

AP

The AP Spanish Language and Culture course emphasizes communication by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The course strives to not overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish. The AP Spanish Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products, practices, and perspectives. This course meets the rigorous standards of the College Board and was designed to prepare students to sit for the AP Spanish Language and Culture Exam.

COURSE: 36 weeks

AP Computer Science A

AP

The AP Computer Science A course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. Students planning to take the AP Exam must complete hands-on labs at the school district to fulfill college board requirements.

COURSE: 36 weeks | On-Site Lab Required

PHYSICAL EDUCATION, HEALTH & WELLNESS

Middle School Physical Education I



This introductory middle school course is all about sports! Students enrolled in this course will be introduced to information which they can utilize to develop a healthy, active life style. Students are introduced to a wide range of sports and athletics, including gymnastics, racket sports, water sports, motor sports, and extreme sports. The course includes activity logs with an expectation of 90 minutes of documented physical activity per week.

COURSE: 18 weeks

Middle School Physical Education II



In this course, middle school students will learn information which they can use to help them develop an active, healthy lifestyle. Topics covered include assessing personal physical fitness, skill-related fitness, sports practice and participation, the Physical Activity Pyramid, safe physical activity, and aerobic and muscle fitness exercises. The course includes activity logs with an expectation of 90 minutes of documented physical activity per week.

COURSE: 18 weeks

Middle School Physical Education III



In this course, middle school students will learn information which they can use to help them develop an active, healthy lifestyle. Topics covered include assessing personal physical fitness, sports and recreation, muscle fitness exercise, flexibility, the Physical Activity Pyramid, body composition, nutrition, food labels, nutrition, and setting fitness goals. The course includes activity logs with an expectation of 90 minutes of documented physical activity per week.

COURSE: 18 weeks

High School Physical Education I



High school students in this course continue to develop their understanding of a healthy and active lifestyle and learn the skills they need to build a foundation of health throughout their teenage and adult years. Topics covered include promoting a healthy lifestyle, setting fitness goals, making healthful decisions, sports and exercise safety, aerobic, anaerobic, and muscle fitness exercises, and managing weight and body composition. The course includes activity logs with an expectation of 90 minutes of documented physical activity per week.

COURSE: 18 weeks

High School Physical Education II



In this course, high school students build upon what they have learned in previous physical education courses to continue to live a healthy and active lifestyle. Students learn to make choices that will help maintain activity and physical fitness, as well as maintain healthy body systems. Topics covered include nutrition, maintaining a healthy weight, sports and exercise safety, the cardiovascular and respiratory systems, types of exercise, and developing and achieving fitness and activity goals. The course includes activity logs with an expectation of 90 minutes of documented physical activity per week.

COURSE: 18 weeks

High School Physical Education III



In this course, high school students continue to build their pursuit and practice of a healthy, active lifestyle. Students set and strive to achieve fitness goals and discover ways of staying fit and active during their teen and adult years. Topics include lifelong fitness and adopting healthy lifestyles, safe and smart physical activity, health and wellness benefits, body composition, self-assessment of physical fitness and wellness, injury prevention, muscle fitness and flexibility, and moderate and vigorous physical activity. The course includes activity logs with an expectation of 90 minutes of documented physical activity per week.

COURSE: 18 weeks

High School Physical Education IV



High school students in this course focus on ways of developing and maintaining healthy, active lifestyles. In this course, students set and strive to achieve fitness goals, learn about different types of light, moderate, and vigorous physical activities, and develop strategies for active living. Topics covered in this course include healthy lifestyle choices, stress management, relaxation exercises, physical activity program planning, posture, exercise equipment, balance, self-perception, muscle fitness and flexibility, and choosing a healthy diet. The course includes activity logs with an expectation of 90 minutes of documented physical activity per week.

COURSE: 18 weeks

Middle School Health I



This course introduces middle school students to a variety of basic health topics with a focus on healthful decision making, personal health, and growth and development. Additional health topics covered include emotional wellness, nutrition, physical activity and body systems.

COURSE: 18 weeks

Middle School Health II



This course reviews topics covered in Middle School Health I and focuses on the effects of substance abuse and different types of diseases. Topics covered include tobacco, alcohol and other drug abuse, personal health, consumer choices and communicable and noncommunicable diseases.

COURSE: 18 weeks

Middle School Health III



In addition to reviewing concepts from Middle School Health I and Middle School Health II, this course will focus on relationships, mental and emotional health, conflict resolution and violence prevention. Topics covered include: mental and emotional problems, building healthy relationships and promoting social health.

COURSE: 18 weeks

High School Health I



High school students enrolled in this health course focus on three dimensions of human health and development: physical, emotional and social. They learn how to make good decisions about their health. Topics covered include: nutrition, fitness, drug abuse, mental health and related information.

COURSE: 18 weeks

High School Health II



Students build upon the knowledge they acquired in Health I as they learn more about the three dimensions of human health and development. Topics of study include: different body systems, first aid and safety. Students also gain a deeper understanding of the importance of good decision making as it relates to these topics as well as others.

COURSE: 18 weeks

Food and Nutrition



This course helps students better understand the principles of nutrition. Students gain a basic knowledge of nutrition and good health. They study healthy preparation and care of food as well as food management. They also learn about the food science involved in the preparation process.

COURSE: 36 weeks

Sports Officiating



Sports Officiating will take a closer look at the career of sports officials. Students will learn how to develop and build the skills of officiating, for example: conflict management, decision-making, communication, and goal setting skills. They will examine the importance of being physically and mentally fit in regards to the demands of officiating. The course will conclude with a look into the professional and legal responsibilities of sports officials.

COURSE: 18 weeks

Strength Training



Strength Training focuses on the biological and physiological components and effects of a person's conditioning, strength training, and aerobic training activities. Fitness programs range from aerobic endurance training, flexibility training, free weight and machine training, and resistance and plyometric training. Students will learn the structure and function of their body systems and how they are affected by performance and strength training programs and exercises. The course concludes by taking a look at rehabilitation and reconditioning sciences to help others recover from injuries and surgeries.

COURSE: 18 weeks | SUGGESTED GRADE LEVEL: 11-12

FOREIGN LANGUAGES

Invitation to Languages

CG

A

Invitation to Languages introduces students to five of the major world languages: Spanish, French, German, Latin, and Japanese. In this engaging course, students will learn about the history of communication, writing systems, written and spoken language, and the structure of language. Students will learn basic phrases in each of the five languages including greetings, counting, days of the week, basic objects, descriptions of self and others, weather, and numbers. This course gives students a solid foundation and basic understanding of the components of each language and guides them toward choosing a foreign language to study in high school and beyond.

COURSE: 36 weeks | SUGGESTED GRADE LEVEL: Middle School

French I

CG

A

Beginning French students are introduced to the basic elements of French as they move through the early stages of language acquisition. They study major vocabulary categories, verb tenses and other fundamental components of French grammar. The main purpose of the course is to help students communicate in French at a basic level, appreciate the French-speaking world and develop cultural awareness.

COURSE: 36 weeks

French II

CG

A

French II students review the basic elements of French grammar acquired in French I and then will greatly expand their communicative abilities. The textbook is written entirely in French, which helps students advance their knowledge of French grammar, structure and vocabulary. Their language skills increase so they are able to participate more fully in general conversations, read more sophisticated passages and write with a firmer command of syntactical structures. Cultural awareness is also further developed.

COURSE: 36 weeks

French III

CG

A

French III students will continue to study grammar and verbs, read and discuss French fiction and nonfiction, write compositions, and prepare and present advanced conversations. Their language skills increase so they are able to participate more fully in general conversations, read more sophisticated passages and write with a firmer command of syntactical structures. Cultural awareness is also further developed.

COURSE: 36 weeks

French IV

CG

A

French IV students continue to study grammar and verbs, to read and discuss French fiction and nonfiction, and develop advanced conversational skills. French IV is presented as an immersion course in which the material is presented entirely in French, and students are expected to respond entirely in French. Students will read higher-level French texts and write with a more advanced command of grammatical and syntactical structure. Cultural awareness also is further developed.

COURSE: 36 weeks

German I

CG

A

German I students are introduced to the German language through basic vocabulary and grammar. Students learn about German culture while gaining familiarity with the German language. Communication and conversation skills are emphasized through the use of technology and supplemental materials.

COURSE: 36 weeks

German II

CG

A

In German II, students build on their background from German I and increase proficiency in reading comprehension, written skills, and conversation. Students learn how to ask for information, describe people and places and communicate in sentence form. Cultural awareness is also strengthened through written exercises and readings.

COURSE: 36 weeks

German III

CG

A

Students in German III build upon the knowledge and background from German II and continue to increase fluency and proficiency in reading, writing, and conversational skills. Students learn more about German culture and how to participate more naturally in conversations regarding every day activities and chores, as well as how to express themselves more fully and clearly in conversations with native German speakers.

COURSE: 36 weeks

German IV

CG

A

Students build upon their knowledge of the language and culture of German-speaking people and refine their proficiency in listening comprehension, speaking, reading, and writing. This course stresses oral skills, comprehension, composition and grammar, as well as comprehension of more advanced texts written in German. In order to promote language fluency and proficiency, this class is conducted fully in German language.

COURSE: 36 weeks

Japanese I

CG **A**

Students will learn the basics of communication in Japanese. Students will be introduced to Japanese customs and culture, as well as everyday conversational language and phrases. Oral communication will be stressed through listening and speaking activities. Students enrolled in Japanese I will be introduced to basic reading, writing and comprehension skills.

COURSE: 36 weeks

Latin I

CG **A**

Students are introduced to Latin language and ancient Roman culture. Focus is placed on basic grammar, syntax and vocabulary. Students explore Latin and English words through a set of recorded Latin stories with English translations. Upon completion of this course, students will be able to read and write in Latin on a basic level.

COURSE: 36 weeks

Latin II

CG **A**

Students enrolled in Latin II will expand upon what they learned in Latin I. They increase their skills and depth of knowledge through the practice of structures, forms and vocabulary.

COURSE: 36 weeks

Mandarin Chinese I

CG **A**

Mandarin Chinese I students are introduced to Chinese language and culture. Topics of study related to language acquisition include: basic syntax, simple vocabulary, written characters and spoken tone. Students also learn about Chinese culture through exploration of art, literature, customs and history.

COURSE: 36 weeks

Mandarin Chinese II

CG **A**

Mandarin Chinese II students build upon skills developed in Chinese I. They are better able to understand and express themselves in Chinese and increase their vocabulary. They continue to explore the customs, history and art of Chinese-speaking people.

COURSE: 36 weeks

Spanish I

CG **A**

Spanish I students are introduced to the Spanish language through basic vocabulary and grammar. Students study the present tense of both regular and irregular verbs and are introduced to affirmative commands and the present progressive tense. Students are able to greet others, introduce themselves and communicate in short conversational phrases. Students learn about the culture and history of the Spanish-speaking world, culminating in a project about a country of their choice.

COURSE: 36 weeks

Spanish II

CG **A**

Spanish II students review the basic elements of Spanish grammar acquired in Spanish I and expand their vocabulary. Students master the present progressive verb tense and are introduced to the preterit tense. Students are able to ask for information, describe people and places and communicate in sentence form. Students continue to learn about the different perspectives, practices and products of the Spanish-speaking world.

COURSE: 36 weeks

Spanish III

CG **A**

Spanish III students review the basic elements of Spanish grammar acquired in Spanish I and II and expand their communicative abilities. Students master the preterite verb tense and are introduced to the imperfect and future tenses and the present subjunctive. Students will communicate in paragraph form and explain events that have happened in the past, as well as describe events that will take place in the future. Students continue to learn about the Spanish-speaking world through art, literature and music.

COURSE: 36 weeks

Spanish IV

CG **A**

Spanish IV students review the grammar concepts previously learned in Spanish I, II and III, including the present, preterite, imperfect and future verb tenses. Students will further their knowledge of the Spanish language by learning the command forms and delve more in-depth with the various forms of the subjunctive tense. Students will continue to learn about the Spanish-speaking world through authentic literature and poetry.

COURSE: 36 weeks

TEST PREP

ACT Test Prep

CG

A

This course is designed to prepare students for the ACT. Students enrolled in this course spend significant time learning to understand the ACT test format and honing their test taking skills. They develop higher-order strategies in preparation for the four multiple-choice tests – English, Mathematics, Reading, and Science – and the optional Writing Test. Comprehensive instruction and thorough practice tests will give students the tools and confidence needed to achieve success on the ACT.

COURSE: 18 weeks | SUGGESTED GRADE LEVEL: High School

ASVAB Prep

CG

A

Students in high school who are interested in joining the armed services will benefit greatly from taking this preparatory course. This course is built around a coaching textbook designed to not only review materials to be covered on the ASVAB exam, but to also familiarize students with test taking strategies and study skills. Within this course, students will be given the opportunity to take multiple practice tests after which they can review the correct answers and explanations to better prepare them for their future exam.

COURSE: 18 weeks | SUGGESTED GRADE LEVEL: High School

GED Prep

CG

A

The GED Prep course is built around a coaching textbook designed to not only review materials to be covered on the GED exam, but to also familiarize students with test taking strategies and study skills. Within this course, students have the opportunity to take multiple practice tests after which they can review the correct answers and explanations to better prepare them for their future exam.

COURSE: 36 weeks | SUGGESTED GRADE LEVEL: High School

SAT Prep

CG

A

The SAT prep course is designed to familiarize students with test taking strategies and study skills, as well as to review materials to be covered on the exam. By using a coaching textbook, the SAT prep course will give students the opportunity to take multiple practice tests after which they can review the correct answers and explanations to better prepare them for their future.

COURSE: 36 weeks | SUGGESTED GRADE LEVEL: High School

SAT Prep – Math

CG

A

This course is designed to prepare students for the math portion of the SAT. Students enrolled in this course spend a great deal of time understanding the SAT and honing the skills needed for test taking. They develop higher-order math strategies and problem-solving skills. They also work on a variety of math problems ranging from algebra to calculus in preparation for the SAT.

COURSE: 18 weeks | SUGGESTED GRADE LEVEL: High School

SAT Prep – Reading, Writing, and Language

CG

A

This course is designed to prepare students for the Reading and Writing and Language portions of the redesigned SAT test, as well as the optional essay portion. Students enrolled in this course gain an understanding of scoring procedures, as well as best practices when answering the types of questions that they will encounter on the actual SAT test. This course provides students with the background knowledge and skills necessary to excel on this portion of the test through review of necessary skills and practice test questions.

COURSE: 18 weeks | SUGGESTED GRADE LEVEL: High School

ELECTIVES - LANGUAGE ARTS**A Literary Look at Harry Potter and the Sorcerer's Stone****CG** **A**

In this course, learners will read and interact with the first book of J.K. Rowling's Harry Potter series: Harry Potter and the Sorcerer's Stone. Students will experience the world of Harry Potter through a variety of methods in which they will connect with and respond to the text, think critically about themes, and immerse themselves in wizard culture and lore. Exploration of the mythological and historical basis of Rowling's plot, characters, and themes is the base upon which this course is built.

COURSE: 18 weeks | SUGGESTED GRADE LEVEL: 7-12

A Literary Look at Harry Potter and the Chamber of Secrets**CG** **A**

In this course, learners will read and interact with the second book of J.K. Rowling's Harry Potter series: Harry Potter and the Chamber of Secrets. Students will experience the world of Harry Potter through a variety of methods in which they will connect with and respond to the text, think critically about themes and literary techniques, and immerse themselves in wizard culture and lore. Exploration of the mythological and historical basis of Rowling's plot, characters, and themes is the base upon which this course is built.

COURSE: 18 weeks | SUGGESTED GRADE LEVEL: 7-12

A Literary Look at Harry Potter and the Prisoner of Azkaban**CG** **A**

In this course, learners will read and interact with the third book of J.K. Rowling's Harry Potter series: Harry Potter and the Prisoner of Azkaban. Students will experience the world of Harry Potter through a variety of methods in which they will connect with and respond to the text, think critically about themes and literary techniques, and immerse themselves in wizard culture and lore. The exploration of Rowling's characters is the base upon which this course is built.

COURSE: 18 weeks | SUGGESTED GRADE LEVEL: 7-12

Creative Writing**CG** **A**

This course explores strategies used in creative writing and helps students to develop a deeper appreciation of good writing and established authors. Students create a variety of works ranging from poems to short stories. While writing prose, students review rules and guidelines for correct punctuation, grammar and sentence structure. Effective, appropriate and economical word choice is also practiced.

COURSE: 18 weeks

Journalism**CG** **F** **GE** **A**

This high school course includes a brief history of American journalism and discusses the duties of a journalist. Additional topics that are taught in this course include the rights and responsibilities of journalists, style and editing, news writing, sports writing, feature writing, editorial writing, newspaper design, yearbook design, advertising and much more.

COURSE: 36 weeks

Greek and Roman Mythology**CG** **A**

This course analyzes Greek and Roman myths about creation, nature, love, and heroism. Students study the classics, becoming acquainted with some of the most famous stories of all time. They also discover man's attempt to explain his universe as they delve into the myths about Greek and Roman gods and their relationships with mortals.

COURSE: 18 weeks

Norse Mythology**CG** **A**

In this course, learners explore and analyze the Norse myths about the Earth's creation through Ragnarok, the end of all things. Neil Gaiman's accessible retellings of the Norse myths function as the anchor text for this course. Students learn about the values and challenges of the ancient Norse people through the stories they told about the gods and goddesses.

COURSE: 18 weeks

Honors Mythology**CG** **H**

This honors-level course analyzes Greek and Roman myths about creation, nature, love and heroism. Students study the classics, becoming acquainted with some of the most famous stories of all time. They also discover the beginnings of drama and man's attempt to explain his universe as they delve into myths about Greek and Roman gods and their relationships with mortals.

COURSE: 18 weeks

The Art of Communication**CG** **A**

This course provides students with a comprehensive introduction to interpersonal, intercultural, professional, group, and public communication. Students will be presented with the theories and research behind effective communication, as well as engaging activities to enable practical application. Students will learn about the communication process, verbal and nonverbal communication strategies, conflict and conflict management, and speaking and listening in a group or public setting.

COURSE: 18 weeks

The Bible as Literature

CG

A

This course provides a comprehensive study of the Bible, focusing on literary and historical perspectives. Students study the Bible as a series of texts developed to convey messages and concepts to a specific audience. They explore literary forms, strategies, styles and techniques within the historical and physical context of the times and places in which these scripts were written.

COURSE: 18 weeks

World Literature

CG

F

GE

A

This 36-week course is designed for the accelerated learner who wants to broaden their exposure to essential world texts and deepen their experience with literary analysis. Critical thinking skills will be developed as students analyze texts from the Mediterranean, Ancient India, Eastern Europe and Asia.

COURSE: 36 weeks

Honors World Literature

CG

H

This is a more rigorous version of World Literature. Throughout this course, students complete additional writing assignments of varying lengths, including research opportunities to further their understanding of literary works from around the world. This course also includes an independent reading novel study of Franz Kafka's *The Metamorphosis*.

COURSE: 36 weeks | SUGGESTED GRADE LEVEL: 9-12

ELECTIVES - MATHEMATICS

Business Math

CG

F

GE

A

This high school business course is structured utilizing a three-pronged approach: basic math review, personal finance and business mathematics. It builds and strengthens students' basic math skills in personal and business mathematics.

COURSE: 36 weeks

Probability and Statistics

CG

F

GE

A

This course introduces students to sampling methods, descriptive statistics and probability distributions. Students learn how to take effective samples and create valid experiments. They acquire tools and knowledge that will enable them to effectively evaluate and interpret data.

COURSE: 36 weeks

Honors Probability and Statistics

CG

H

This course introduces students to sampling methods, descriptive statistics, and probability distributions. Students learn how to take effective samples and create valid experiments. They acquire tools and knowledge that will enable them to effectively evaluate and interpret data. This honors level course will include more rigorous assignments and quizzes.

COURSE: 36 weeks | SUGGESTED GRADE LEVEL: 9-12

ELECTIVES - SCIENCE**Anatomy and Physiology****CG F GE A**

This intensive course gives students an overview of human anatomy and physiology. It covers information about the human body at the cellular and chemical levels. Students learn about control and regulation of each of the systems in the human body and how each of the systems applies to disease and development.

COURSE: 36 weeks

Honors Anatomy and Physiology**CG H**

This intensive course gives students an overview of human anatomy and physiology. It covers information about the human body at the cellular and chemical levels. Students learn about control and regulation of each of the systems in the human body and how each of the systems applies to disease and development. As an Honors Course, additional formative and summative assessments have been added to prompt students to use higher depth of knowledge skills.

COURSE: 36 weeks | SUGGESTED GRADE LEVEL: 12

Animal Husbandry**CG A**

Students interested in animals and agriculture will enjoy this elective course designed to introduce students to animal science. Throughout the course, students will be encouraged to learn about a variety of areas, including: nutrition, anatomy and physiology, biotechnology, biosecurity, and genetics and animal reproduction. Additionally, students will have the opportunity to explore the various aspects of a career in animal husbandry.

COURSE: 18 weeks

Archaeology**CG A**

Students enrolled in this elective course will be given the opportunity to explore the field of archaeology. Modules within this course cover topics such as dating artifacts, geoarchaeology, archaeobotany, archaeozoology, and archaeological chemistry. At the end of this course, students will be able to form relationships between the concepts in archaeology and the concepts in other fields of science.

COURSE: 36 weeks

Astronomy I**CG F GE A**

Students explore the process of astronomical scientific discovery and begin to develop an understanding of the integrated study of the universe, which includes concepts of physics, mathematics and chemistry. This course traces astronomy's observational foundation and continues to an in-depth exploration of our solar system. It emphasizes critical thinking and visualization.

COURSE: 18 weeks

Astronomy II**CG F GE A**

At this level, students complete an extensive survey of the universe, moving beyond the exploration of our solar system found in Astronomy I to the vast wonders of our galaxy and larger cosmological concepts and structures. Other topics covered extensively include stellar formation, evolution, novae, supernovae and black holes and other strange objects. Additionally, students learn about the birth, future and fate of the universe, as well as theories of extraterrestrial life and our place in the cosmos.

COURSE: 18 weeks

Conceptual Physics**CG F GE A**

Students following the non-academic route will benefit from taking this physics course designed to introduce the concepts before computations. This design will provide students with the solid foundation needed to understand complex topics such as energy conservation, motion, and magnetism. Students following the academic route can also benefit from this course by taking it before a standard high school physics course.

COURSE: 36 weeks

Geology**CG A**

In their study of geology, students will learn about processes that occur on both Earth's exterior and interior. Specifically, students will explore topics such as plate tectonics, weathering and soils, the origin and evolution of the ocean floor, and geologic time. At the end of this course, students will feel confident in their knowledge of many of Earth's geologic processes.

COURSE: 36 weeks

Introduction to Agriculture**CG A**

This elective course is designed to introduce students to the agricultural industry. Throughout the course, students will use the basic principles of science as they apply to plants, animals, soils, and food. Additional topics such as food science and communication and management are also explored. Upon completion, students will receive the background knowledge necessary to feel confident going into any of their future agricultural courses.

COURSE: 18 weeks

Introduction to Forestry**CG A**

This elective course is designed to introduce students to the topic of forestry. Units within this course include: North America Forest Regions, Safety in the Forest, Forest Management, and Forest Products. Additionally, students will be able to learn more about the various career options in this field.

COURSE: 18 weeks

Introduction to Horticulture

CG

A

This elective course is designed to introduce students to the topic of horticulture. Units within this course include: environmental requirements for good plant growth, grafting, and integrated pest management with an emphasis on the new and emerging technology associated with horticulture. Additionally, students will be able to learn more about the various career options in this field.

COURSE: 18 weeks

Introduction to STEM

CG

A

This course is designed to introduce the four areas of STEM by exposing students to numerous practical examples of the impacts of technology on our world. Upon completion, students will have the confidence to describe why technological systems in various fields work the way they do.

COURSE: 18 weeks

Oceanography

CG

F

GE

A

Students taking this course will combine their knowledge of geology, chemistry, physics, and biology to examine and learn more about our Earth's oceans. This course is designed to allow students to take away a fundamental understanding of how the oceans work and why they behave in the ways that they do. Overall, this elective course does a good job of explaining the larger picture of how our oceans interact with all of the systems on Earth.

COURSE: 36 weeks

Zoology

CG

A

This elective course is designed to expand upon concepts learned within a life science or biology course. Specifically, zoology will address the animal kingdom, including the structure, embryology, evolution, classification, habits, and distribution of animals both living and extinct.

COURSE: 36 weeks

ELECTIVES - SOCIAL STUDIES

American Civil War

CG

A

This course provides an in-depth look at the most pivotal and defining era in American history. Students will examine the growing political, economic, and cultural rift between the American North and South that led to disunion and war. Students will "experience" the war through primary and secondary resources as they explore the fundamental causes of the war and the war years themselves, both at home and on the battlefield.

COURSE: 18 weeks

American Government (18 weeks)

CG

A

This course provides an introduction to the workings of the American system of government. Students study critical components of our government system today — such as the Constitution and the amendments. They learn about the three branches of government, the role each plays and how each works independently. Students also examine current events as a major part of the course.

COURSE: 18 weeks

Economics (18 weeks)

CG

A

This course equips students with an understanding of basic economic principles and how they relate to real-world situations. Students study the roles of government, business and individuals within different levels of the economy. They also examine the varying challenges and variables within economic systems.

COURSE: 18 weeks

History of Genocide

CG

A

This course is an engaging introduction to the study of a controversial and widely debated topic. Students will explore key questions such as "How successful have efforts been in the prevention of genocide?," "How prevalent has genocide been throughout history?," and "how has the concept been defined?" Real world case studies will also be examined, these include: the killing of indigenous peoples by colonial powers, the Holocaust, peacekeeping efforts in the 1990s, and the legal attempts to create a genocide-free world.

COURSE: 18 weeks

Native American Studies

CG **A**

This course provides students with an overview of Native American history starting with Indigenous nations before European colonization and continuing to modern day. Students will examine the effects of colonization, relations with non-Natives, federal policies, and conflicts in social, political, and economic systems. This course helps students build cultural awareness through the analysis of commonly misunderstood and often ignored parts of American history, as well as developing a deeper understanding of the importance of tribal heritage and identity from an Indigenous historical perspective.

COURSE: 18 weeks

Psychology

CG **F** **GE** **A**

This introductory psychology course acquaints students with basic principles of psychology. Students learn about how concepts they encounter in the course have real-life applications. The text is supported by online resources, videos and quizzes.

COURSE: 18 weeks

Sociology

CG **F** **GE** **A**

This sociology course explores the interactions and relationships of the varying groups within society. Students investigate the roles of societies' institutions and the effects of these institutions on different demographics. They also learn about the challenges and problems faced by communities.

COURSE: 18 weeks

The American Revolution

CG **A**

This American war course will look at the American Revolution; from its beginnings and causes to its conclusion and aftermath. This course will examine the effects of British North America pre-revolution, the imperial crisis in North America, and the Revolution. The course will also focus on the eras and times after the conclusion of the war: the Confederation Era, the Federalist Era, the creation of the Constitution, and the era of liberty. The American Revolution course will also take an in-depth look at how the Revolution affected the rights and responsibilities of Native Americans, African Americans, and American women.

COURSE: 18 weeks

The French and Indian War (The Seven Years' War)

CG **A**

This American war course will look at the French and Indian War and the Seven Years' War. Both of which describe two different theaters of the same war: the North American theater and the European theater, respectively. The course will examine how the Seven Years' War was more than just a precursor to the American Revolution. It will show students how relationships between a multitude of individuals and groups set in action the attitudes and tensions that would lead to the "disintegration of the British empire in North America."

COURSE: 18 weeks

The Mexican-American War

CG **A**

This American war course will look at the Mexican-American War. The course will examine the causes and effects of the Mexican-American War, including but not limited to: racism, prejudices, expansionism, Manifest Destiny, and how it was a major precursor to the American Civil War. It will show students how relationships between a multitude of individuals and groups set in action the attitudes and tensions that would lead to the conflict that Ulysses S. Grant would describe as the most "wicked war... waged by the United States on Mexico."

COURSE: 18 weeks

The War of 1812

CG **A**

This course provides students with an in-depth exploration of the frequently overlooked War of 1812. Students will examine the War of 1812 in the context of America's development as a nation while emphasizing its importance as the foundation of America's subsequent westward expansion. Students will explore causes, battles, and results of the war, as well as the transformation of the United States of America from an infant nation to a national force to be reckoned with on the world stage. The text supports higher-level thinking with primary sources and maps.

COURSE: 18 weeks

World Religions

CG **F** **GE** **A**

This course explores the development, doctrines and practices of today's major faiths. Students begin by examining personal religious development and then survey major religious movements. Detailed information about the beliefs and practices of Hinduism, Jainism, Buddhism, Daoism and Confucianism, Shinto, Judaism, Christianity, Islam and Sikhism are presented. New-Age religious movements and religion in the 21st century complete this extensive exploration of faith and beliefs.

COURSE: 18 weeks

ELECTIVES - ARTS & HUMANITIES

Art History

CG

A

Art History students will gain a basic understanding and appreciation of art as it is encountered on the high school level and beyond. Students begin with a study of art processes, criticism and aesthetics and progress to an overview of art history through the 21st century.

COURSE: 36 weeks

Film Studies

CG

A

This introductory course is designed to familiarize students with the study of filmmaking. Students will examine film art, film form, and film style. Students will also differentiate between and study the different genres of film. Completing the course with a look at film analysis and the history of film will give students a comprehensive view of the art of film.

COURSE: 18 weeks

Middle School Art Appreciation

CG

A

Middle school students enrolled in this course will gain an appreciation of art with an understanding of its historical context. Students will learn how historical, political, geographical, social, and religious events shape each culture's art and make it unique. Traditional art from the following cultures is discussed within the course: Western Europe, China, Japan, India, Native America, and Africa.

COURSE: 18 weeks

Middle School Music Appreciation

CG

A

Throughout this course, learners will discover different types of music from all around the world, from classical and opera to hip hop and K-Pop. Students will learn about different musical instruments and be introduced to music-related careers. They will also learn the science behind how humans hear, produce, and process music.

COURSE: 18 weeks

High School Music History/Music Appreciation

CG

A

This course introduces students to perceptive listening and provides an engaging presentation of musical elements, styles and stylistic periods. Organized chronologically, this course provides a survey of music's evolution from the music of the Middle Ages to classical, jazz, blues and rock. This course concludes by exploring the non-Western music traditions from Africa, India and Japan.

COURSE: 18 weeks

History of Broadway

CG

A

Students with an interest in music will enjoy this deep historical dive into America's Broadway. Shows and music from the late 19th century through the present 21st century are examined and studied. Additionally, various aspects of technology and infrastructure and their effect on Broadway are explored.

COURSE: 18 weeks

ELECTIVES - CAREER & TECHNOLOGY

Middle School Career Exploration

CG **A**

This middle school level course gives students an introduction to career exploration. The course will focus on activities and exercises that match students' personal interests with career opportunities. The course will explore a variety of careers, and it will emphasize the students' self-awareness, goal setting, and decision-making abilities.

COURSE: 18 weeks

High School Career Exploration

CG **A**

The Career Exploration course equips students with a background and process for successfully transitioning from school to a career. Students complete a self-assessment — analyzing their interests, skills and goals — to begin the development of a targeted approach to their next educational steps and, ultimately, their careers. Additionally, students study and practice practical skills such as resume writing and interviewing. Various career opportunities are presented as well as the tools students need to further understand and research their own career directions.

COURSE: 18 weeks

Accounting I

CG **A**

Accounting I students learn how to maintain accurate business records. Students study business transactions, including working with source documents, handling ledger accounts, preparing worksheets and working with financial statements. They will gain a real-world understanding of the applications of accounting.

COURSE: 36 weeks

Business and Personal Law

CG **A**

This course examines legal obligations of parties involved in housing, business and personal endeavors. Topics of study include contractual obligations, corporate responsibilities and marriage/divorce law.

COURSE: 36 weeks

Marketing

CG **A**

The Marketing course introduces students to basic marketing techniques and business decision-making processes. Students study the marketing process and increase their knowledge of markets, buyers, promotion and pricing. The course aims to improve students' understanding of how professional advertising agencies design, market and distribute their products.

COURSE: 36 weeks

Culinary Arts

CG **A**

Students begin by examining kitchen basics such as food and kitchen safety, and proper use of foodservice equipment. Culinary basics and applications, like reading recipes and measurements, proper cooking methods, and food preparation skills, are presented. A look into the career of culinary management completes this exploration of culinary arts.

COURSE: 18 weeks

Culinary Arts: Baking and Pastry

CG **A**

Students enrolled in the baking and pastry course are introduced to the basic principles of pastries and baking. They learn about ingredients, measurement, tools and standard baking equipment. The basics of breads, doughs, pastries, custards, cakes, cookies, and pies are explored, along with frozen desserts and healthful and special-needs baking. Other topics include professionalism in the fields of food service, restaurants, and bakeries, as well as operations, safety, and sanitation.

COURSE: 18 weeks

Introduction to Hospitality and Tourism I: Hotels and Restaurants

CG **A**

This introductory course provides an overview of the structure and scope of the travel/tourism and hospitality industries. Part I of this two-part course series specifically examines the hotel and restaurant industries: food and beverage operations, the functions and departments of a hotel, catering, career options, and trends in the industry. Other topics include the history, political, social and cultural impacts tourism has on local, state and global environments. Students are introduced to the basic skills and practices required for a successful career in the hospitality and tourism industry.

COURSE: 18 weeks

Introduction to Hospitality and Tourism II: Recreation and Events

CG

A

This introductory course provides an overview of the structure and scope of the travel/tourism and hospitality industries. Part II of this course series specifically examines the tourism, recreation, and events industries: tourism, recreation, attractions, special events, conventions, and expositions, as well as gaming entertainment. Other topics include the history of travel, airlines and airports, leisure, wellness, event planning, and theme parks. In this course, students are introduced to basic managerial skills as well as other roles available to a professional in the hospitality and tourism industry.

COURSE: 18 weeks

Criminal Justice

CG

A

This introductory course is designed to familiarize students with the formation, responsibilities, function, and interdependence of the agencies responsible for the administration and enforcement of justice in the United States. This course introduces the law-making bodies that make up the judicial system, criminal trial system, corrections system, and juvenile justice system. This course also provides an overview of the problems and solutions in modern policing — it will examine the studies of criminology and victimology, and will address the current challenges and temperature of criminal justice in our 21st century society. Finally, the course will consider the nature and extent of crime and will survey main theories of criminal behavior.

COURSE: 18 weeks

Forensic Science

CG

A

Students interested in criminal justice and crime scene investigation will enjoy this elective course designed to introduce students to the world of forensic science. Throughout the course, students will be encouraged to combine their math, chemistry, biology, physics, and earth science skills in order to analyze multiple case studies. Additionally, students will be given the opportunity to explore the various aspects of having a career in forensic science.

COURSE: 36 weeks

Introduction to Law Enforcement

CG

A

In this course, students will explore the basics of a career in Law Enforcement. Introduction to Law Enforcement begins with an overview and brief history of Police in the U.S. The course continues by covering topics in operation, recruitment, strategies, and police conduct. Students will also learn about issues and ethics in contemporary policing.

COURSE: 18 weeks

Medical Terminology I

CG

A

Students interested in the life sciences, specifically human anatomy, will greatly benefit from taking this course. Topics covered include: basic word structure, the integumentary system, the skeletal and muscular systems, and the nervous system. Overall, Medical Terminology I gives students the foundation they need to confidently speak within the medical field.

COURSE: 18 weeks

Medical Terminology II

CG

A

At this level, students continue to build on their knowledge from Medical Terminology I. Within this course students will briefly review basic word structure, and then apply their prior knowledge to topics such as the cardiovascular system, the lymphatic and immune systems, reproductive systems, and the endocrine system. Upon completing this course, students will be able to confidently and accurately speak within the medical field.

PREREQUISITE COURSE: Medical Terminology I

COURSE: 18 weeks

Nursing I

CG

A

Students with a strong background in the life sciences and a passion about learning more about the field of nursing will thrive within this course. Nursing I is designed to introduce students to the professional field of nursing by exploring topics such as Nursing Theory, Values, Ethics, and Advocacy, and The Health Care Delivery System.

COURSE: 18 weeks

Nursing II

CG

A

Students who have successfully taken and passed the Nursing I course will have the opportunity to further explore the professional field of nursing within the Nursing II course. The beginning of this course includes a brief review of the textbook chapters covered in Nursing I followed by new content. New topics include Assessing, Diagnosing, Implementing, Documenting, Reporting, Conferring, and Using Informatics.

COURSE: 18 weeks

Early Childhood Education

CG **A**

This course focuses on careers within early childhood education. As a prospective early childhood professional, students will develop an understanding of and the ability to respond to the current issues and changes in early childhood education. Students will learn how to implement early childhood programs, observe and assess young children, how to implement technology into early childhood education, the development of the young child, how to guide children's behavior, and how to build partnerships with parents, families, and communities to ensure student success.

COURSE: 36 weeks

Introduction to Cosmetology I

CG **A**

In this course, students will explore the basics of a career in cosmetology. Introduction to Cosmetology I begins with a brief history of careers in this field and continues with the basic sciences that apply. Students will learn about hair, skin, and nails, as well as basic chemistry before ending with applicable business skills for a cosmetologist.

COURSE: 18 weeks

Middle School Introduction to Computer Programming

CG **A**

This course introduces basic computer programming skills in several different programming languages. Students are introduced to the basics using Scratch, Python, and HTML/CSS to create their own projects and games. Engaging projects and step-by-step instructions make this course an excellent choice for beginner-level students interested in computer programming.

COURSE: 18 weeks

High School Introduction to Computer Programming

CG **A**

This course is directed towards students interested in gaining programming experience. The main objective of this course is to provide students with an understanding of computation and its usefulness. It also aims to provide students with the ability to write small programs that allow them to complete various goals. Students who enroll in this class will use the Python programming language.

COURSE: 18 weeks

Web Design I (HTML and CSS)

CG **A**

In this introductory course, students will learn the basics of writing HTML5 and CSS3 structured web pages and sites. Students learn to prepare images, audio and video, as well as control typography and layout. Students are introduced to the basics of designing and building attractive, user-friendly content on the web.

COURSE: 18 weeks

Web Design II (JavaScript and JQuery)

CG **A**

In this course, students gain an understanding of basic programming concepts and the terms that JavaScript users use to describe them. Concepts explored in this course include how to read and write JavaScript, make websites more interactive, and how to use JQuery to simplify code. Students will be introduced to techniques which will allow them to recreate current popular web techniques such as slideshows and lightboxes, improved forms and validation, and filtering, searching, and sorting. To ensure success in this course, students should be familiar with using HTML and CSS.

PREREQUISITE COURSE: Web Design I (HTML5 and CSS3)

COURSE: 18 weeks

Video Game Design

CG **A**

Video game design covers the technological and creative aspects of video game design from the perspective of a beginner. Students are immersed in the field of video game design, from the beginning and planning stages of each game build project through completion, integration, and marketing. Students participate in a simulation of a real video game design team and see each project from origination to completion.

COURSE: 18 weeks

Introduction to Military Careers

CG **A**

This course is intended for students at the high school level who have an interest in joining one of the five branches of the United States Military (Army, Navy, Marine Corps, Air Force, and Coast Guard). Students will explore the recruitment and enlistment processes, learn about basic training, and discover different career opportunities that are afforded to them through service in the military.

COURSE: 18 weeks

Exploring Apple/Mac: Monterey Edition

CG

A

In this course, students will explore the Monterey release for Mac OS. The course begins with basic navigation and organization of files and continues to build skills in specific applications. The course covers useful applications including Safari, email, music, maps, and much more. Students will end with the basics of updating and maintaining the Mac device.

COURSE: 18 weeks | Access to Mac OS Required

Google Drive*

CG

A

This course will instruct students in the essentials of Google Drive. Students will create, format and share documents, spreadsheets and presentations, and gather data via Google Forms. Students will learn how to adjust permissions and document accessibility, as well as how to create collaborative projects with a group of faculty or fellow classmates.

COURSE: 18 weeks | Access to Google Drive Required

Microsoft Office 2010 and Computer Applications (36 weeks)

CG

A

This course covers computer basics and focuses on detailed use of the Microsoft Office 2010 suite including Word, PowerPoint, and Excel. It allows students to explore the features that are built into the 2010 edition. It allows students to explore the features that are built into the 2016 edition using a step-by-step, screen-by-screen approach. Students are encouraged to expand their understanding of the software through experimentation, critical thought, and engaging real-life scenarios. In addition to exploring these programs, students study content related to Internet literacy, email etiquette, copyright/ethics, other technologies, and programming languages. Students will use the knowledge gained in this course to reinforce their communication and technology skills for success in their educational and professional careers.

COURSE: 36 weeks | Access to Microsoft Office 2010 Required

Microsoft Office 2010 and Computer Applications (18 weeks)

CG

A

This course covers computer basics and focuses on detailed uses of the Microsoft Office 2010 suite including Word, PowerPoint, and Excel. It allows students to explore the features that are built into the 2010 edition using a step-by-step, screen-by-screen approach. Students are encouraged to expand their understanding of the software through experimentation, critical thought, and engaging real-life scenarios. Students will use the knowledge gained in this course to reinforce their communication and technology skills for success in their educational and professional careers.

COURSE: 18 weeks | Access to Microsoft Office 2010 Required

Microsoft Office 2013 and Computer Applications (18 weeks)

CG

A

This course covers computer basics and focuses on detailed uses of the Microsoft Office 2013 suite including Word, PowerPoint, and Excel. It allows students to explore the features that are built into the 2013 edition using a step-by-step, screen-by-screen approach. Students are encouraged to expand their understanding of the software through experimentation, critical thought, and engaging real-life scenarios. Students will use the knowledge gained in this course to reinforce their communication and technology skills for success in their educational and professional careers.

COURSE: 18 weeks | Access to Microsoft Office 2013 Required

Microsoft Office 2016 and Computer Applications (18 weeks)

CG

A

This course covers computer basics and focuses on detailed uses of the Microsoft Office 2016 suite including Word, PowerPoint, and Excel. It allows students to explore the features that are built into the 2016 edition using a step-by-step, screen-by-screen approach. Students are encouraged to expand their understanding of the software through experimentation, critical thought, and engaging real-life scenarios. Students will use the knowledge gained in this course to reinforce their communication and technology skills for success in their educational and professional careers.

COURSE: 18 weeks | Access to Microsoft Office 2016 Required

Microsoft 365 (Office) and Computer Applications (18 weeks)

CG

A

This course covers computer basics and focuses on detailed uses of Microsoft 365 and the Microsoft Office 2019 suite including Word, PowerPoint, and Excel. It allows students to explore the features that are built into this edition using a step-by-step, screen-by-screen approach. Students are encouraged to expand their understanding of the software through experimentation, critical thought, and engaging real-life scenarios. Students will use the knowledge gained in this course to reinforce their communication and technology skills for success in their educational and professional careers.

COURSE: 18 weeks | Access to Microsoft 365 Required

*Textbook Independent

ELECTIVES - MISCELLANEOUS**Middle School Digital Citizenship****CG A**

Students in this course will learn about the basics of computer safety and respecting digital content rights. The course discusses digital property rights and how to use and share content properly. It also covers cyber safety, including topics such as hackers, SPAM, phishing, and responsible use of social media.

COURSE: 18 weeks

High School Digital Citizenship***CG A**

This course is entirely web-based and will prepare students to safely and effectively communicate online while helping them to become familiar with website privacy policies. Students will be able to identify cyber-bullying and ways to respond, thus making their online experience more enjoyable. Additional concepts and information students will gain from this course include understanding copyright rules, browsing websites and various methods of downloading.

COURSE: 18 weeks

Middle School Family and Consumer Science**CG A**

This course introduces middle school students to essential life skills. Students learn to care for themselves and others, as well as their living spaces and clothes. Other topics include the decision-making process, planning and preparing meals, learning to sew, and the world of work after school.

COURSE: 18 weeks

Parenting Skills**CG A**

This course covers the basics of parenting and family skills. Topics include conception, contraception, pregnancy, child development, aging and the family.

COURSE: 18 weeks

People Skills**CG A**

This course covers the basics of creating and strengthening lifelong people skills. Students will acquire life skills that will help to benefit them in the following areas: responsible citizenship, being a savvy consumer, money management, peer pressure, teamwork, communication, understanding relationships (occupationally, romantically, and family), and the steps of successful character building and personal growth.

COURSE: 18 weeks

Personal Development for Middle School**CG A**

In this course, middle school students will learn about and develop different aspects of character, including traits such as empathy, courage, and integrity. Students complete a variety of activities to encourage them to practice these traits in their daily lives. They are also presented with hypothetical situations for journaling and reflection to consider the best course of action in tough situations that may not have a “right” answer.

COURSE: 18 weeks

Personal Development for High School**CG A**

Students will learn anti-bullying tips and strategies, how to manage emotions such as fear, anxiety, anger, and depression, and will learn constructive communication skills to help them express their feelings. Students also will learn to identify toxic friendships, how to build their own self-confidence, and how to ask for help when bullying gets out of control. The exercises in this course are useful in everyday situations so that students gain helpful tools to help them deal with and combat bullying or cyberbullying.

COURSE: 18 weeks

Personal Finance and Financial Literacy**CG F GE A**

The Personal Finance and Financial Literacy course exposes students to important financial issues they are likely to encounter in their lives. Topics include home buying, balancing a budget and responsible use of credit and borrowing. This knowledge will increase students’ abilities to manage their finances in a responsible and intelligent manner.

COURSE: 18 weeks

Senior Project/Graduation Project***A**

Through career exploration, students research their intents, talents and abilities as these relate to post-secondary options. This course will lead students to focus on and discover desirable and appropriate post-secondary decisions as they relate to life after high school.

COURSE: 36 weeks

Study Skills**CG A**

The study skills course hones reading and study skills needed for academic success in high school. Students develop such abilities as: studying techniques, note taking, time management, listening, test taking and research. They gain confidence as they master these basic skills and have the opportunity to apply them to other courses.

COURSE: 18 weeks

*Textbook Independent

PENNSYLVANIA COURSES

Power to Perform on the PSSA!

CG **GE** **A**

Traditionally, schools tend to expect the classroom teacher to carry the load for leading students to success on the PSSA. The Power to Perform on the PSSA! series provides explicit learning opportunities for 6th, 7th and 8th grade students in the skill sets needed for success on the PSSA. It has been designed with a focus on the most recent Assessment Anchors and Eligible Content (2007).

COURSE: 36 weeks

English Language Arts: Grade 6

English Language Arts: Grade 7

English Language Arts: Grade 8

Mathematics: Grade 6

Mathematics: Grade 7

Mathematics: Grade 8

Science: Grade 8

Keystone Exam Prep: Literature

CG **A**

This writing-intensive course provides a thorough and rigorous foundation for high school students looking to succeed on Pennsylvania's Literature Keystone Exam. Focusing directly on Assessment Anchors and Eligible Content and specifically designed with questions that are directly modeled after the questions on the Keystone Exam, this course provides high school students with the practice and precision that is necessary for success on the exam.

COURSE: 36 weeks

Keystone Exam Remediation: Literature

CG **A**

This remediation course is an intensive 6-week version of the prep course, which prepares students to be successful on the Keystone Exam in Literature and English during the retesting opportunity.

COURSE: 6 weeks

Keystone Exam Prep: Algebra I

CG **A**

This course is designed to provide students with essential ideas in Algebra I. Students enrolled in this course will review concepts such as defining, evaluating and comparing functions, linear equations, interpreting rate as slope and solving systems of equations. In addition to these concepts, students will also review creating graphs from data, displaying frequencies in a two-way table and identifying patterns of association.

COURSE: 36 weeks

Keystone Exam Remediation: Algebra I

CG **A**

This remediation course is an intensive 6-week version of the prep course, which prepares students to be successful on the Keystone Exam in Algebra I during the retesting opportunity.

COURSE: 6 weeks

Keystone Exam Prep: Biology

CG **A**

This course in biology is designed to cover the assessment anchors involved in the Keystone Biology Exam. This course focuses heavily on cellular life and processes, but also includes DNA, evolution, genetic engineering and ecosystem interactions.

COURSE: 36 weeks

Keystone Exam Remediation: Biology

CG **A**

This remediation course is an intensive 6-week version of the prep course, which prepares students to be successful on the Keystone Exam in Biology during the retesting opportunity.

COURSE: 6 weeks

PA Driver's Education*

CG **A**

The PA Driver's Education course provides an introduction to driver theory. Topics include signs and signals, safety, managing speed, driving practices, handling emergencies and the Pennsylvania point system. Also covered are transportation-specific laws and regulations such as substance abuse and seatbelt laws.

COURSE: 18 weeks

*Textbook Independent

ENGLISH LANGUAGE LEARNER (ELL) COURSES

Developed based on the WIDA English Language Development Standards, VLN's English Language Learner courses are designed to support ELL students as a complement to their current academic coursework. Our engaging, interactive content helps to bridge the gaps related to the five standards-based content areas: language arts, math, science, social studies, and conversational language. Our course content focuses on five levels of language proficiency and includes a variety of resources to assist the student and learning coach as they navigate through the program.

Fundamental (WIDA Level 1): This is the first stage of English language development, where learners are just beginning to understand and develop the academic language skills needed to flourish in academic environments. At this level of language proficiency, students begin to match instructional language to visual and graphic displays, identify objects, people, and places from oral descriptions, answer yes and no choice questions and being to use general and high-frequency academic vocabulary. Students at the fundamental level can recite words or phrases from pictures of everyday objects and oral modeling.

Developing (WIDA Level 2): Students at this level of language proficiency are emerging from the beginning stages of English language development and can state the main ideas of classroom conversations, use high-frequency academic words and phrases in context, express everyday needs and wants, and use basic communication in social situations. Students can follow text read aloud, use pre-taught vocabulary to complete simple sentences, and match or classify oral descriptions to visually represented content-related examples.

Intermediate (WIDA Level 3): At this level of language proficiency, students are able to sort and identify words and pictures, classify information, match information to pictures, identify uses of objects, and identify details across content areas. Students are able to recognize, comprehend, and write compound sentences as well as some complex grammatical constructions. Students can listen to and comprehend idiomatic and colloquial language across content areas.

Reaching (WIDA Level 4): At this level of language proficiency, students are able to locate, select, and order information; categorize and sequence events and processes; identify meaning from context; and identify reasons across content areas. Students can use specific content-area language, complex grammatical structures, and can recognize and use words or expressions with multiple meanings.

Advanced (WIDA Level 5): Students at this final level of language proficiency are able to recognize and describe compare/contrast relationships; analyze and apply information; compare numbers; predict responses; summarize information; and draw conclusions. Students are able to comprehend descriptive discourse with complex sentences; read, comprehend, and write using a variety of complex grammatical structures. This course gives the advanced ELL student the support they need to excel in their academic content areas and test out of the ELL program.

Each 36-week course includes:

- A teaching guide in each MOD that provides step-by-step guidance to assist the learning coach in supporting the student
- Customized speaking and listening exercises to promote comprehension and proper vocabulary pronunciation
- Engaging media designed to reinforce the cultural and academic concepts presented in each weekly module
- Formative assignments and assessments designed to provide language and comprehension growth through interactive media, engaging lessons, and immersive content

All content is designed to assess student progress in preparation for English language proficiency assessments as well as to assess student placement and other instructional needs.

ELL Kindergarten: Fundamental
ELL Kindergarten: Developing
ELL Kindergarten: Intermediate
ELL Kindergarten: Reaching
ELL Kindergarten: Advanced

ELL 1st Grade: Fundamental
ELL 1st Grade: Developing
ELL 1st Grade: Intermediate
ELL 1st Grade: Reaching
ELL 1st Grade: Advanced

ELL 2nd Grade: Fundamental
ELL 2nd Grade: Developing
ELL 2nd Grade: Intermediate
ELL 2nd Grade: Reaching
ELL 2nd Grade: Advanced

ELL 3rd Grade: Fundamental
ELL 3rd Grade: Developing
ELL 3rd Grade: Intermediate
ELL 3rd Grade: Reaching
ELL 3rd Grade: Advanced

ELL 4th Grade: Fundamental
ELL 4th Grade: Developing
ELL 4th Grade: Intermediate
ELL 4th Grade: Reaching
ELL 4th Grade: Advanced

ELL 5th Grade: Fundamental
ELL 5th Grade: Developing
ELL 5th Grade: Intermediate
ELL 5th Grade: Reaching
ELL 5th Grade: Advanced

ELL 6th Grade: Fundamental
ELL 6th Grade: Developing
ELL 6th Grade: Intermediate
ELL 6th Grade: Reaching
ELL 6th Grade: Advanced

ELL 7th Grade: Fundamental
ELL 7th Grade: Developing
ELL 7th Grade: Intermediate
ELL 7th Grade: Reaching
ELL 7th Grade: Advanced

ELL 8th Grade: Fundamental
ELL 8th Grade: Developing
ELL 8th Grade: Intermediate
ELL 8th Grade: Reaching
ELL 8th Grade: Advanced

ELL High School: Fundamental
ELL High School: Developing
ELL High School: Intermediate
ELL High School: Reaching
ELL High School: Advanced

CREDIT RECOVERY

Complementing the Foundations track is a Credit Recovery delivery platform. Like the Foundations track, Credit Recovery courses are less rigorous in that they are void of Short Answer and Essay questions. This delivery platform is designed for students who have already attempted the course and require a self-paced learning mechanism to acquire proficiency. The Credit Recovery delivery platform consists of a mastery-based testing strategy that enables students who have fallen behind academically to get back on track.

LANGUAGE ARTS

6th Grade Language Arts
7th Grade Language Arts
8th Grade Language Arts
9th Grade Language Arts
10th Grade Language Arts
American Literature
British Literature
Writing Foundations

MATHEMATICS

Mathematics - Course 1
Mathematics - Course 2
Mathematics - Course 3
Pre-Algebra
Algebra I
Geometry
Algebra II
Trigonometry
Pre-Calculus
Calculus

SCIENCE

Middle School Physical Science
Life Science
Earth Science
Biology
Chemistry
Physics
Environmental Science
General Science
High School Physical Science

SOCIAL STUDIES

Middle School World History
World Geography
Middle School U.S. History I
High School U.S. History I
Civics
High School World History
U.S. History II
Economics/American Government
American Government
Economics

PHYSICAL EDUCATION

Middle School Physical Education I
Middle School Physical Education II
Middle School Physical Education III
High School Physical Education I
High School Physical Education II
High School Physical Education III
High School Physical Education IV
Middle School Health I
Middle School Health II
Middle School Health III
High School Health I
High School Health II
Food and Nutrition

ELECTIVES – LANGUAGE ARTS

Journalism
World Literature

ELECTIVES – MATHEMATICS

Business Math
Probability and Statistics

ELECTIVES – SCIENCE

Anatomy and Physiology
Astronomy I
Astronomy II
Conceptual Physics
Oceanography

ELECTIVES – SOCIAL STUDIES

Psychology
Sociology
World Religions

ELECTIVES – MISCELLANEOUS

Personal Finance and Financial Literacy

NCAA APPROVED COURSES

VLN Partners is proud to present a listing of NCAA approved courses designed to benefit students pursuing athletic endeavors as part of their educational experience. In keeping with NCAA academic standards, only the Academic version of the courses listed below are eligible for NCAA acceptance.

LANGUAGE ARTS

9th Grade Language Arts
 Honors 9th Grade Language Arts
 10th Grade Language Arts
 Honors 10th Grade Language Arts
 American Literature
 Honors American Literature
 British Literature
 Honors British Literature
 World Literature
 Honors World Literature
 Creative Writing
 Greek and Roman Mythology
 Norse Mythology
 Honors Mythology
 The Bible as Literature
 AP English Language and Composition
 AP English Literature and Composition

MATHEMATICS

Algebra I
 Honors Algebra I
 Algebra 1A
 Algebra 1B
 Geometry
 Honors Geometry
 Algebra II
 Honors Algebra II
 Trigonometry
 Honors Trigonometry
 Pre-Calculus
 Honors Pre-Calculus
 Calculus
 Honors Calculus
 Probability & Statistics
 Honors Probability and Statistics
 AP Calculus AB
 AP Calculus BC
 AP Statistics

SCIENCE

Biology
 Honors Biology
 Chemistry
 Honors Chemistry
 Conceptual Physics
 Physics
 Honors Physics
 Earth Science
 Environmental Science
 Honors Environmental Science
 High School Physical Science
 Honors High School Physical Science
 General Science
 Honors General Science

Anatomy & Physiology
 Honors Anatomy and Physiology
 Astronomy I
 Astronomy II
 Oceanography
 Zoology
 AP Biology
 AP Chemistry
 AP Environmental Science
 AP Physics 1: Algebra-Based
 AP Physics 2: Algebra-Based

SOCIAL STUDIES

Civics
 Honors Civics
 High School World History
 Honors High School World History
 High School U.S. History I
 Honors High School U.S. History I
 High School U.S. History II
 Honors High School U.S. History II
 Economics/American Government
 Honors Economics/American Government
 American Government
 Honors American Government
 Economics
 Honors Economics
 Psychology
 Sociology
 Native American Studies
 World Religions
 AP European History
 AP Human Geography
 AP Psychology
 AP U.S. Government and Politics
 AP U.S. History
 AP World History

FOREIGN LANGUAGES

French I
 French II
 French III
 French IV
 German I
 German II
 German III
 German IV
 Japanese I
 Latin I
 Latin II
 Mandarin Chinese I
 Mandarin Chinese II
 Spanish I
 Spanish II
 Spanish III
 Spanish IV

SUMMER SCHOOL

Each 30-day summer school course contains key content, relevant online resources and structured assessments. All daily modules begin with a reading exercise followed by a writing assignment and a multiple-choice assessment. Every week, a set of short answer questions and an essay prompt are presented, adding to the authentic assessment of the course. Final exams complete each summer school course, and additional writing projects are included in the Language Arts and Science courses.

LANGUAGE ARTS

6th Grade Language Arts
7th Grade Language Arts
8th Grade Language Arts
9th Grade Language Arts
10th Grade Language Arts
American Literature
British Literature

MATHEMATICS

Mathematics – Course 1
Mathematics – Course 2
Mathematics – Course 3
Pre-Algebra
Algebra 1
Geometry
Algebra II
Trigonometry

SCIENCE

Middle School Physical Science
Life Science
Earth Science
Biology
Chemistry
Physics
Environmental Science
General Science
High School Physical Science

SOCIAL STUDIES

Middle School World History
World Geography
Middle School U.S. History I
High School U.S. History I
Civics
High School World History
U.S. History II
Economics/American Government

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