

2026-2027

# online courses catalog

## HIGH SCHOOL CATALOG

(grades 9-12)

# CLONLARA HIGH SCHOOL ONLINE COURSE CATALOG

Clonlara School partners with Edmentum EdOptions Academy's Genius platform to offer students a diverse range of courses tailored to their unique learning needs. Genius courses are facilitated by Edmentum EdOptions Academy instructors.

- Courses labeled with + require additional materials to complete course content.
- Middle school students can earn up to two (2) high school credits in core subject areas or foreign language during their middle school years (grades 6-8).


**MATH** ..... 2

**SCIENCE** ..... 8

**SOCIAL STUDIES & SOCIAL SCIENCES** ..... 17

**ENGLISH** ..... 25

**ELECTIVES** ..... 30

- **Languages** ..... 30
- **Arts** ..... 36
- **Information Technology** ..... 39
- **Health and Fitness** ..... 44
- **Business Administration and Management** ..... 58
- **Career and Technical Education** ..... 65

# MATH

## AP® Calculus A (Genius) semester 1, 0.50 credit
## AP® Calculus B (Genius) semester 2, 0.50 credit

Calculus grounds the study of calculus in real-world scenarios and integrates it with the four STEM disciplines. The first semester covers functions, limits, derivatives and the application of derivatives. The course goes on to cover differentiation and antidifferentiation, applications of integration, inverse functions, and techniques of integration.

## AP® Statistics A (Genius) semester 1, 0.50 credit
## AP® Statistics B (Genius) semester 2, 0.50 credit

Statistics gives students hands-on experience collecting, analyzing, graphing, and interpreting real-world data. They will learn to effectively design and analyze research studies by reviewing and evaluating real research examples taken from daily life. The next time they hear the results of a poll or study, they will know whether the results are valid. As the art of drawing conclusions from imperfect data and the science of real-world uncertainties, statistics plays an important role in many fields. The equivalent of an introductory college level course, AP® Statistics prepares students for the AP® exam and for further study in science, sociology, medicine, engineering, political science, geography, and business.

## Algebra 1 A (Genius) semester 1, 0.50 credit
## Algebra 1 B (Genius) semester 2, 0.50 credit

Algebra 1 v7.0 is a completely re-designed course that offers 100% alignment to the National Standards for Mathematics. The specific standard alignment for each lesson is visible to both educators and students. In addition to the emphasis on alignment, the lessons in the new course are designed to be shorter in length than lessons of previous versions, offering focused exploration of topics to make concepts more digestible for students. Practice questions are included with each lesson, including technology-enhanced items and explanations to assist students in their understanding of the concepts. New features to support student mastery include worksheets for practice and guided notes to help students record key takeaways as they move through the tutorial. The course is also built around student engagement, with more interactive lessons and videos that work through examples and model problem-solving skills.

## Algebra 1 A Honors (Genius) semester 1, 0.50
## Algebra 1 B Honors (Genius) semester 2, 0.50

Algebra 1 v7.0 is a completely re-designed course that offers 100% alignment to the National Standards for Mathematics. The specific standard alignment for each lesson is visible to both educators and students. In addition to the emphasis on alignment, the lessons in the new course are designed to be shorter in length than lessons of previous versions, offering focused exploration of topics to make concepts more digestible for students. Practice questions are included with each lesson, including technology-enhanced items and explanations to assist students in their understanding of the concepts. New features to support student mastery include worksheets for practice and guided notes to help students record key takeaways as they move through the tutorial. The course is also built around student engagement, with more interactive lessons and videos that work through examples and model problem-solving skills.

## Algebra 2 A (Genius) semester 1, 0.50 credit
## Algebra 2 B (Genius) semester 2, 0.50 credit

Algebra 2 v7.0 is a completely re-designed course that offers 100% alignment to the National Standards for Mathematics. In addition to the emphasis on alignment, the new lessons in the course are designed to be shorter in length than lessons of previous versions, offering focused exploration of topics to make concepts more digestible for learners and intentionally grouped to reinforce connections. Practice questions are included with each lesson, including technology-enhanced items and explanations to assist learners in their understanding of the concepts. New features to support student mastery include worksheets for practice and guided notes to help learners record key takeaways as they move through the tutorial. The course is built around learner engagement, with more interactive lessons, videos that work through examples and model problem-solving skills, and experiences to support multi-modal learning and sense-making. Scaffolding pieces are included throughout the course to provide learners with opportunities to build on foundational skills as well as prepare for greater success by drawing learners' attention to common misunderstandings and articulating the big ideas that underpin learning.

## Algebra 2 A Honors (Genius) semester 1, 0.50 credit
## Algebra 2 B Honors (Genius) semester 2, 0.50 credit

Algebra 2 v7.0 is a completely re-designed course that offers 100% alignment to the National Standards for Mathematics. In addition to the emphasis on alignment, the new lessons in the course are designed to be shorter in length than lessons of previous versions, offering focused exploration of topics to make concepts more digestible for learners and intentionally grouped to reinforce

connections. Practice questions are included with each lesson, including technology-enhanced items and explanations to assist learners in their understanding of the concepts. New features to support student mastery include worksheets for practice and guided notes to help learners record key takeaways as they move through the tutorial. The course is built around learner engagement, with more interactive lessons, videos that work through examples and model problem-solving skills, and experiences to support multi-modal learning and sense-making. Scaffolding pieces are included throughout the course to provide learners with opportunities to build on foundational skills as well as prepare for greater success by drawing learners' attention to common misunderstandings and articulating the big ideas that underpin learning.

## Calculus A (Genius) semester 1, 0.50 credit
## Calculus B (Genius) semester 2, 0.50 credit

Calculus is the mathematics of change. It is used to solve complex problems that are continuously evolving and would otherwise be unsolvable with only algebra and geometry. This online advanced placement course is designed to prepare students to become deep mathematical thinkers. They will explore the calculus concepts of limits, differentiation, and integration and apply those concepts in meaningful ways. The course is split into two semesters. The first semester focuses on the concepts of functions, limits, and differentiation and their applications. The second semester builds off the first semester to focus on integrations. It will cover topics such as the definite and indefinite integral and their applications, inverse function, and techniques for integrating.

## Consumer Mathematics (Genius)
1 semester, 0.50 credit

This course explains how four basic mathematical operations – addition, subtraction, multiplication, and division – can be used to solve real-life problems. It addresses practical applications for math, such as wages, taxes, money management, and interest and credit. Projects for the Real World activities are included that promote cross-curricular learning and higher-order thinking and problem-solving skills.

## Financial Mathematics A (Genius) semester 1, 0.50 credit
## Financial Mathematics B (Genius) semester 2, 0.50 credit

Financial Algebra is designed to instruct students in algebraic thinking while also preparing them to navigate a number of financial applications. Students will explore how algebraic knowledge is connected to many financial situations, including investing, using credit, paying taxes, and shopping for insurance. In studying these topics, students will learn about the linear, exponential, and quadratic

relationships that apply to financial applications. In addition, the course will help prepare students to tackle the wide variety of financial decisions they will face in life, from setting up their first budget to planning for retirement.

## Geometry A (Genius) semester 1, 0.50 credit
## Geometry B (Genius) semester 2, 0.50 credit

Geometry v6.0 is a completely re-designed course that offers 100% alignment to the National Standards for Mathematics. In addition to the emphasis on alignment, the new lessons in the course are designed to be shorter in length than lessons of previous versions, offering a focused exploration of topics to make concepts more digestible for learners and intentionally grouped to reinforced connections. Practice questions are included with each lesson, including technology-enhanced items and explanations to assist learners in their understanding of the concepts. New features to support student mastery include worksheets for practice and guided notes to help learners record key takeaways as they move through the tutorial. The course is built around learner engagement, with more interactive lessons, videos that work through examples and model problem-solving skills, and experiences to support multi-modal learning and sense-making. Scaffolding pieces are included throughout the course to provide learners with opportunities to build on foundational skills as well as prepare for greater success by drawing learners' attention to common misunderstandings and articulating the big ideas that underpin learning.

## Geometry A Honors (Genius) semester 1, 0.50 credit
## Geometry B Honors (Genius) semester 2, 0.50 credit

Geometry v6.0 is a completely re-designed course that offers 100% alignment to the National Standards for Mathematics. In addition to the emphasis on alignment, the new lessons in the course are designed to be shorter in length than lessons of previous versions, offering a focused exploration of topics to make concepts more digestible for learners and intentionally grouped to reinforced connections. Practice questions are included with each lesson, including technology-enhanced items and explanations to assist learners in their understanding of the concepts. New features to support student mastery include worksheets for practice and guided notes to help learners record key takeaways as they move through the tutorial. The course is built around learner engagement, with more interactive lessons, videos that work through examples and model problem-solving skills, and experiences to support multi-modal learning and sense-making. Scaffolding pieces are included throughout the course to provide learners with opportunities to build on foundational skills as well as prepare for greater success by drawing learners' attention to common misunderstandings and articulating the big ideas that underpin learning.

## Mathematics 1 A (Genius) semester 1, 0.50 credit
## Mathematics 1 B (Genius) semester 2, 0.50 credit

Mathematics I is a completely re-designed course that offers 100% alignment to the integrated pathway in the Common Core State Standards for Mathematics. In addition to the emphasis on alignment, the new lessons in the course are designed to be shorter in length than lessons of previous versions, offering focused exploration of topics to make concepts more digestible for learners and intentionally grouped to reinforce connections. Practice questions are included with each lesson, including technology-enhanced items and explanations to assist learners in their understanding of the concepts. New features to support student mastery include worksheets for practice and guided notes to help learners record key takeaways as they move through the tutorial. The course is built around learner engagement, with more interactive lessons, videos that work through examples and model problem-solving skills, and experiences to support multi-modal learning and sense-making. Scaffolding pieces are included throughout the course to provide learners with opportunities to build on foundational skills as well as prepare for greater success by drawing learners' attention to common misunderstandings and articulating the big ideas that underpin learning.

## Mathematics 2 A (Genius) semester 1, 0.50 credit
## Mathematics 2 B (Genius) semester 2, 0.50 credit

Mathematics II is a completely re-designed course that offers alignment to the integrated pathway in the Common Core State Standards for Mathematics. In addition to the emphasis on alignment, the new lessons in the course are designed to be shorter in length than lessons of previous versions, offering focused exploration of topics to make concepts more digestible for learners and intentionally grouped to reinforce connections. Practice questions are included with each lesson, including technology-enhanced items and explanations to assist learners in their understanding of the concepts. New features to support student mastery include worksheets for practice and guided notes to help learners record key takeaways as they move through the tutorial. The course is built around learner engagement, with more interactive lessons, videos that work through examples and model problem-solving skills, and experiences to support multi-modal learning and sense-making. Scaffolding pieces are included throughout the course to provide learners with opportunities to build on foundational skills as well as prepare for greater success by drawing learners' attention to common misunderstandings and articulating the big ideas that underpin learning.

## Mathematics 3 A (Genius) semester 1, 0.50 credit
## Mathematics 3 B (Genius) semester 2, 0.50 credit

Mathematics III is a completely re-designed course that offers 100% alignment to the integrated pathway in the Common Core State Standards for Mathematics. In addition to the emphasis on alignment, the new lessons in the course are designed to be shorter in length than lessons of previous versions, offering focused exploration of topics to make concepts more digestible for learners and intentionally grouped to reinforce connections. Practice questions are included with each lesson, including technology-enhanced items and explanations to assist learners in their understanding of the concepts. New features to support student mastery include worksheets for practice and guided notes to help learners record key takeaways as they move through the tutorial. The course is built around learner engagement, with more interactive lessons, videos that work through examples and model problem-solving skills, and experiences to support multi-modal learning and sense-making. Scaffolding pieces are included throughout the course to provide learners with opportunities to build on foundational skills as well as prepare for greater success by drawing learners' attention to common misunderstandings and articulating the big ideas that underpin learning.

## Personal Finance (Genius)
1 semester, 0.50 credit

Personal Finance is a one-semester course that teaches financial literacy skills to help students plan and achieve career and personal goals. This course focuses on consumer economics, financial services, and personal financial management. Students learn how to budget, spend, invest, and make every day financial decisions. The course also provides an exploration of careers in personal finance and consumer services.

## Precalculus A (Genius) semester 1, 0.50 credit
## Precalculus B (Genius) semester 2, 0.50 credit

Precalculus builds on algebraic concepts to prepare students for calculus. The course begins with a review of basic algebraic concepts and moves into operations with functions, where students manipulate functions and their graphs. Precalculus also provides a detailed look at trigonometric functions, their graphs, the trigonometric identities, and the unit circle. Finally, students are introduced to polar coordinates, parametric equations, and limits.

### Precalculus A Honors (Genius) semester 1, 0.50 credit
### Precalculus B Honors (Genius) semester 2, 0.50 credit

Honors Precalculus builds on algebraic concepts to prepare students for calculus. The course begins with a review of basic algebraic concepts and moves into operations with functions, where students manipulate functions and their graphs. Precalculus also provides a detailed look at trigonometric functions, their graphs, the trigonometric identities, and the unit circle. Finally, students are introduced to polar coordinates, parametric equations, and limits.

### Probability & Statistics (Genius)
1 semester, 0.50 credit

This course is designed for students in grades 11 and 12 who may not have attained a deep and integrated understanding of the topics in earlier grades. Students acquire a comprehensive understanding of how to represent and interpret data; how to relate data sets; independent and conditional probability; applying probability; making relevant inferences and conclusions; and how to use probability to make decisions.

## SCIENCE

### Anatomy and Physiology A (Genius) semester 1, 0.50 credit
### Anatomy and Physiology B (Genius) semester 2, 0.50 credit
Elective Science

Anatomy and Physiology focuses on the anatomy and physiology of the human body. Students learn about the organization and structure of the body, common medical terminology, and the structures and functions of cells and tissues. They also learn about the cardiovascular, immune, respiratory, digestive, and renal/urinary systems and common diseases and disorders associated with these systems. The lesson activities, unit activities, course assignment, and course project help students develop and apply critical thinking skills. The videos included in the lessons keep students engaged. The practice test at the end of the course helps students reinforce their understanding of key concepts.

## AP® Biology A (Genius) semester 1, 0.50 credit
## AP® Biology B (Genius) semester 2, 0.50 credit
Core Science

To generate skills for lifelong learning, 25 percent of the lessons in Advanced Biology use student-driven, constructivist approaches for concept development. The remaining lessons employ direct-instruction approaches. In both cases, the lessons incorporate multimedia-rich, interactive resources to make learning an engaging experience. The AP® approach to advanced biology topics helps students achieve mastery of abstract concepts and their application in everyday life and in STEM-related professions.

## AP® Chemistry A (Genius) semester 1, 0.50 credit
## AP® Chemistry B (Genius) semester 2, 0.50 credit
Core Science

AP® Chemistry includes most of the 22 laboratory experiments recommended by the College Board to provide a complete advanced experience in a blended environment. More than 25 percent of the online lesson modules are inquiry-based and employ online simulations, data-based analysis, online data-based tools, and —kitchen sink labs that require no specialized equipment or supervision. Many of the lessons include significant practice in stoichiometry and other critical, advanced chemistry skills.

## AP® Environmental Science A (Genius) semester 1, 0.50 credit
## AP® Environmental Science B (Genius) semester 2, 0.50 credit
Elective Science - Environmental

AP® Environmental Science provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The course draws upon various disciplines, including geology, biology, environmental studies, environmental science, chemistry, and geography in order to explore a variety of environmental topics. The equivalent of an introductory college-level science course, AP® Environmental Science prepares students for the AP® exam and for further study in science, health sciences, or engineering. Scientific inquiry skills are embedded in the direct instruction, wherein students learn to ask scientific questions, deconstruct claims, form and test hypotheses, and use logic and evidence to draw conclusions about the concepts. Frequent no- and low-stakes assessments allow students to measure their comprehension and improve their performance as they progress through each activity.  Students also perform hands-on labs and projects that give them insight into the nature of science and help them understand environmental concepts, as well as how evidence can be obtained to support those concepts.

## Biology A (Genius) semester 1, 0.50 credit
## Biology B (Genius) semester 2, 0.50 credit
Core Science

This inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards for high school biology. Content topics include cells, organ systems, heredity, organization of organisms, evolution, energy use in organisms, and the interdependence of ecosystems. Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a significant number of hands-on lab activities. Approximately 40% of student time in this course is devoted to true lab experiences, as defined by the National Research Council (2006, p. 3). Lab materials note: Most hands-on labs employ relatively common household materials. A few labs require specialized scientific equipment or materials, such as a microscope, slides, or biological samples. These few specialized labs are optional but provide valuable laboratory experience. School laboratories may be used for these specialized labs or single-student Edmentum Lab Kits may be purchased from Ward's Science. Please refer to the Student Syllabus or Teacher's Guide for details on lab materials.

## Biology with Virtual Labs A (Genius) semester 1, 0.50 credit
## Biology with Virtual Labs B (Genius) semester 2, 0.50 credit
Core Science

This inquiry- and virtual-lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards for high school biology. Content topics include cells, organ systems, heredity, organization of organisms, evolution, energy use in organisms, and the interdependence of ecosystems. Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a number of virtual lab activities in which students will exercise experimental design, data analysis, and data interpretation skills while working through a simulated laboratory situation. Lab materials note: None of the virtual labs require specialized laboratory materials or tools. Some virtual labs do allow students to make use of common, household items—such as paper and a pencil—if they choose.

## Biology with Virtual Labs A Honors (Genius) semester 1, 0.50 credit
## Biology with Virtual Labs B Honors (Genius) semester 2, 0.50 credit
Core Science

This inquiry- and virtual-lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards for high school biology. Content topics include cells, organ systems, heredity, organization of organisms, evolution, energy use in organisms,

and the interdependence of ecosystems. Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a number of virtual lab activities in which students will exercise experimental design, data analysis, and data interpretation skills while working through a simulated laboratory situation. Lab materials note: None of the virtual labs require specialized laboratory materials or tools. Some virtual labs do allow students to make use of common, household items—such as paper and a pencil—if they choose.

## Biotechnology A (Genius) semester 1, 0.50 credit
## Biotechnology B (Genius) semester 2, 0.50 credit
Elective Science

Biotechnology focuses on the fundamentals of biotechnology. In semester A, students become familiar with the basics of cell biology and molecular biology. They describe the structures and functions of DNA, RNA, and proteins, and they are introduced to the concepts of polymerase chain reactions, recombinant DNA technology, and protein engineering. Finally, students learn the significance of safety protocols in the laboratory and apply advanced laboratory techniques to perform an experiment.  Topics covered in semester B include genetics, regulations that apply to biotechnology, and biotech careers. Students learn about the contributions of various scientists, the importance of the discovery of DNA, and genetic engineering. They explore biotechnology in industry, agriculture, and medicine and discuss the latest trends in the field and its impact on society.  The lesson activities, unit activities, course assignment, and course project help students develop and apply critical thinking skills. The videos keep students engaged. Simulations help students practice various laboratory techniques. And the practice test at the end of the course helps students reinforce their understanding of key concepts.

## Chemistry A (Genius) semester 1, 0.50 credit
## Chemistry B (Genius) semester 2, 0.50 credit
Core Science

This inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards associated with high school chemistry along with additional concepts and standards typically included in a full-year high school chemistry course. Content topics include atoms and elements, chemical bonding, chemical reactions, quantitative chemistry, molecular-level forces, solutions, and energy and changes in matter. It also addresses additional concepts and standards typically included in a full year high school chemistry course, including molar concentrations, acid-base reactions, advanced stoichiometry, gas laws, and organic compounds.  Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a significant number of hands-on lab

activities. Approximately 40% of student time in this course is devoted to true lab experiences, as defined by the National Research Council (2006, p. 3).Lab materials note: Most hands-on labs employ relatively common household materials. A few labs require specialized scientific equipment or materials, such as an electronic balance (0.01g), graduated cylinders, test tubes, and chemical reagents. These few specialized labs are optional but provide valuable laboratory experience. School laboratories may be used for these specialized labs or single-student Edmentum Lab Kits may be purchased from Ward's Science. Please refer to the Student Syllabus or Teacher's Guide for details on lab materials.

## Chemistry A Honors (Genius) semester 1, 0.50 credit
## Chemistry B Honors (Genius) semester 2, 0.50 credit

Core Science

This inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards associated with high school chemistry along with additional concepts and standards typically included in a full-year high school chemistry course. Content topics include atoms and elements, chemical bonding, chemical reactions, quantitative chemistry, molecular-level forces, solutions, and energy and changes in matter. It also addresses additional concepts and standards typically included in a full year high school chemistry course, including molar concentrations, acid-base reactions, advanced stoichiometry, gas laws, and organic compounds.  Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a significant number of hands-on lab activities. Approximately 40% of student time in this course is devoted to true lab experiences, as defined by the National Research Council (2006, p. 3). Lab materials note: Most hands-on labs employ relatively common household materials. A few labs require specialized scientific equipment or materials, such as an electronic balance (0.01g), graduated cylinders, test tubes, and chemical reagents. These few specialized labs are optional but provide valuable laboratory experience. School laboratories may be used for these specialized labs or single-student Edmentum Lab Kits may be purchased from Ward's Science. Please refer to the Student Syllabus or Teacher's Guide for details on lab materials.

## Environmental Science A (Genius) semester 1, 0.50 credit
## Environmental Science B (Genius) semester 2, 0.50 credit

Elective Science

Environmental Science is designed to introduce students to the main concepts of environmental science. It will help students gain knowledge of the natural processes that occur in nature and understand their importance and relevance. Students will also gain awareness of some of the environmental issues and challenges we face in the world today, such as land use and management,

wildlife conservation, resource and waste management, and the different kinds of pollution. Finally, students will learn about energy sources and production, sustainable development, and environmental policies.

## High School Earth & Space Science A (Genius) semester 1, 0.50 credit
## High School Earth & Space Science B (Genius) semester 2, 0.50 credit

Core Science

This inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards associated with high school Earth and space science. Content topics include scientific processes and methods, the universe, the Precambrian Earth, the Earth's materials and tectonics, the hydrosphere and atmosphere, and human interactions with the Earth's systems and resources. Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a significant number of hands-on lab activities. Approximately 40% of student time in this course is devoted to true lab experiences, as defined by the National Research Council (2006, p. 3). Lab materials note: Most hands-on labs employ relatively common household materials. A few labs require specialized scientific equipment or materials, such as an electronic balance (0.01g), graduated cylinders, and a water testing kit. These few specialized labs are optional but provide valuable laboratory experience. School laboratories may be used for these specialized labs or single-student Edmentum Lab Kits may be purchased from Ward's Science. Please refer to the Student Syllabus or Teacher's Guide for details on lab materials.

## High School Earth & Space Science A Honors (Genius)
semester 1, 0.50 credit
## High School Earth & Space Science B Honors (Genius)
semester 2, 0.50 credit

Core Science

This inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards associated with high school Earth and space science. Content topics include scientific processes and methods, the universe, the Precambrian Earth, the Earth's materials and tectonics, the hydrosphere and atmosphere, and human interactions with the Earth's systems and resources. Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a significant number of hands-on lab activities. Approximately 40% of student time in this course is devoted to true lab experiences, as defined by the National Research Council (2006, p. 3). Lab materials note:

Most hands-on labs employ relatively common household materials. A few labs require specialized scientific equipment or materials, such as an electronic balance (0.01g), graduated cylinders, and a water testing kit. These few specialized labs are optional but provide valuable laboratory experience. School laboratories may be used for these specialized labs or single-student Edmentum Lab Kits may be purchased from Ward's Science. Please refer to the Student Syllabus or Teacher's Guide for details on lab materials.

## Integrated Physics & Chemistry A (Genius) semester 1, 0.50 credit
## Integrated Physics & Chemistry B (Genius) semester 2, 0.50 credit
Core Science

The lessons in this course employ direct-instruction approaches. They include application and Inquiry-oriented activities that facilitate the development of higher-order cognitive skills, such as logical reasoning, sensemaking, and problem solving. Lab materials note: None of the virtual labs require specialized laboratory materials or tools. Some virtual labs do allow students to make use of common, household items—such as paper and a pencil—if they choose.

## Integrated Physics & Chemistry A Honors (Genius)
semester 1, 0.50 credit
## Integrated Physics & Chemistry B Honors (Genius)
semester 2, 0.50 credit
Core Science

The lessons in this course employ direct-instruction approaches. They include application and Inquiry-oriented activities that facilitate the development of higher-order cognitive skills, such as logical reasoning, sensemaking, and problem solving. Lab materials note: None of the virtual labs require specialized laboratory materials or tools. Some virtual labs do allow students to make use of common, household items—such as paper and a pencil—if they choose.

## Introduction to Astronomy (Genius)
1 semester, 0.50 credit
Elective Credit

Introduction to Astronomy is a one-semester course that is designed to enable students to learn the basics of astronomy. The course begins with coverage of the history of astronomy from ancient times to modern times. Students then learn to identify the movements of the Sun, Moon, planets, and stars across the sky and to describe the formation of the solar system and the role of the Sun and Moon in the solar system. The course goes on to cover the causes of seasons on Earth and why Earth can

sustain life. The course culminates in a study of the stars, galaxies, and the Milky Way, various theories of cosmology, and advantages and disadvantages of space exploration. The target audience for this course is high school students.

## Introduction to Forensic Science (Genius)

1 semester, 0.50 credit
Elective Science

Introduction to Forensic Science is designed to introduce students to the importance and limitations of forensic science and explore different career options in this field. They also learn to process a crime scene, collect and preserve evidence, and analyze biological evidence such as fingerprints, blood spatter, and DNA samples. Moreover, they learn to determine the time and cause of death in homicides and analyze ballistic evidence and human remains in a crime scene. Finally, they learn about forensic investigative methods related to arson, computer crimes, financial crimes, frauds, and forgeries.

## Introduction to Marine Biology (Genius)

1 semester, 0.50 credit
Environmental Science

Introduction to Marine Biology is designed to introduce students to oceanic features and processes, ocean habitats and ecosystems, life forms in the ocean, and types of interactions in the ocean. Students will learn about the formation and characteristic features of the oceans. They will learn about the scientific method and explore careers available in marine biology. The course then covers the characteristic features of different taxonomic groups, habitats, life forms, and ecosystems that exist in the oceans and different adaptations marine creatures possess to survive in the ocean. Students will learn about succession and the flow of energy in marine ecosystems, as well as the resources that the oceans provide and the threats that the oceans face from human activities.

## Introduction to Veterinary Science (Genius)

1 semester, 0.50 credit
Elective Science

Introduction to Veterinary Science is designed to introduce students at the high school level to the fundamentals of veterinary science. The students will explore the history of veterinary science and the skills and requirements for a successful career in the veterinary industry. They will also explore the anatomy and physiology of animals, learn how to evaluate animal health, and determine effective

treatments for infectious and noninfectious diseases in animals. Additionally, they will learn about zoonotic diseases, and the impact of toxins and poisons on animal health.

## Physical Science A (Genius) semester 1, 0.50 credit
## Physical Science B (Genius) semester 2, 0.50 credit

Core Science

This inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards associated with middle school physical science. Content topics include structure and properties of matter, chemical reactions, forces and motion, force fields, energy, and waves. Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a significant number of hands-on lab activities. Approximately 40% of student time in this course is devoted to true lab experiences, as defined by the National Research Council (2006, p. 3). (Credit Recovery versions available) *NCAA Approved*Lab materials note: All hands-on labs employ relatively common household materials. Please refer to the Student Syllabus or Teacher's Guide for details on lab materials.

## Physics A (Genius) semester 1, 0.50 credit
## Physics B (Genius) semester 2, 0.50 credit

Core Science

Physics introduces students to the physics of motion, properties of matter, force, heat, vector, light, and sound. Students learn the history of physics from the discoveries of Galileo and Newton to those of contemporary physicists. The course focuses more on explanation than calculation and prepares students for introductory quantitative physics at the college level. Additional areas of discussion include gases and liquids, atoms, electricity, magnetism, and nuclear physics. Lab materials note: None of the virtual labs require specialized laboratory materials or tools. Some virtual labs do allow students to make use of common, household items— such as paper and a pencil—if they choose.

## Physics A Honors (Genius) semester 1, 0.50 credit
## Physics B Honors (Genius) semester 2, 0.50 credit

Core Science

Physics introduces students to the physics of motion, properties of matter, force, heat, vector, light, and sound. Students learn the history of physics from the discoveries of Galileo and Newton to those of contemporary physicists. The course focuses more on explanation than calculation and prepares students for introductory quantitative physics at the college level. Additional areas of discussion

include gases and liquids, atoms, electricity, magnetism, and nuclear physics. Lab materials note: None of the virtual labs require specialized laboratory materials or tools. Some virtual labs do allow students to make use of common, household items— such as paper and a pencil—if they choose.

### Revolutionary Ideas in Science (Genius)

1 semester, 0.50 credit
Elective Science

Revolutionary Ideas in Science is a one-semester course with lessons that cover the discoveries and inventions in science from pre-historic to present times. This course covers topics such as: prehistoric science, technology, ancient and medieval science, the scientific revolution, thermodynamics and electricity, and many more. This two-semester course is focused on the concepts related to robots and how to construct a robot. Students will learn about the history and applications of robotics. Students will learn about job opportunities and employability skills in the field of robotics. Students will also learn about the basic concepts of six simple machines, electricity, electronic circuits, Boolean algebra, magnetics, and their applicability to robotics. Students will apply safety procedures and construct a simple robot. Students will also learn about project management and engineering design process. Students will learn about the programming languages used in robotics. Students will create a simple robotic arm. Students will also construct a robot using programming. Students will learn about ethics and laws related to robotics. Students will also learn how to test and maintain a robot. Online discussions and unit activities require students to develop and apply critical thinking skills, while the included games appeal to a variety of learning styles and keep students engaged. Required lab materials note: This course contains hands-on labs that employ relatively common household materials to provide a valuable laboratory experience. Please refer to the Student Syllabus or Teacher’s Guide for a detailed list of required lab materials and options for purchasing kits.

## SOCIAL STUDIES & SOCIAL SCIENCES

### AP® Macroeconomics (Genius)

1 semester, 0.50 credit

AP Macroeconomics students learn why and how the world economy can change from month to month, how to identify trends in our economy, and how to use those trends to develop performance measures and predictors of economic growth or decline. They'll also examine how individuals, institutions, and influences affect people, and how those factors can impact everyone's life through employment rates, government spending, inflation, taxes, and production. The equivalent of a 100-level college-level class, this course prepares students for the AP exam and for further study in business, political science and history.

## AP® Microeconomics (Genius)

1 semester, 0.50 credit

AP® Microeconomics studies the behavior of individuals and businesses as they exchange goods and services in the marketplace. Students will learn why the same product costs different amounts at different stores, in different cities, at different times. They'll also learn to spot patterns in economic behavior and how to use those patterns to explain buyer and seller behavior under various conditions. Microeconomics studies the economic way of thinking, understanding the nature and function of markets, the role of scarcity and competition, the influence of factors such as interest rates on business decisions, and the role of government in promoting a healthy economy. The equivalent of a 100-level college course, AP® Microeconomics prepares students for the AP® exam and for further study in business, history, and political science.

## AP® Psychology (Genius)

1 semester, 0.50 credit

AP® Psychology provides an overview of current psychological research methods and theories. Students will explore the therapies used by professional counselors and clinical psychologists and examine the reasons for normal human reactions: how people learn and think, the process of human development and human aggression, altruism, intimacy, and self-reflection. They will study core psychological concepts, such as the brain and sense functions, and learn to gauge human reactions, gather information, and form meaningful syntheses. Along the way, students will also investigate relevant concepts like study skills and information retention. The equivalent of an introductory college-level survey course, AP® Psychology prepares students for the AP® exam and for further studies in psychology or life sciences.

## AP® U.S. History A (Genius) semester 1, 0.50 credit

## AP® U.S. History B (Genius) semester 2, 0.50 credit

AP® U.S. History develops critical thinking skills by encouraging multiple views as students realized that there are often multiple accounts of a single historical event that may not be entirely consistent. Electronic discussion groups encourage collaboration, and a variety of practice activities are provided, from multiple choice actions to advanced interactions. Units include: The Historical Process; Early America; Revolutionary America; The Civil War; Populism and Progressivism; the emergence of the U.S. as a world power; and contemporary themes. This course has been authorized by the College Board® to use the AP® designation.

## AP® U.S. Government and Politics (Genius)

1 semester, 0.50 credit

AP® US Government and Politics is a one-semester course in which students learn about the operations and structure of the U.S. government and the behavior of the electorate and politicians. Students will gain the analytic perspective necessary to critically evaluate political data, hypotheses, concepts, opinions, and processes. Along the way, they'll learn how to gather data about political behavior and develop their own theoretical analysis of American politics. They'll also build the skills they need to examine general propositions about government and politics and to analyze the specific relationships between political, social, and economic institutions. The equivalent of an introductory college-level course, AP® US Government and Politics prepares students for the AP® exam and for further study in political science, law, education, business, or history.

## Contemporary World History A (Genius) semester 1, 0.50 credit
## Contemporary World History B (Genius) semester 2, 0.50 credit

Contemporary World History is a yearlong course designed to strengthen learners' knowledge about the modern world. Multimedia tools, including custom videos, custom maps, and interactive timelines, will engage learners as they complete this course. Learners will explore the importance of geography, the influence of culture, and the relationship humans have with the physical environment. They will also focus on the responsibility of citizens, democracy in the United States, U.S. legal systems, and the U.S. economy. Ultimately, learners will complete this course as global citizens with an understanding of how to help and better their community and the world.

## Economics (Genius)

1 semester, 0.50 credit

This course covers basic economic problems such as scarcity, choice, and effective use of resources. It also covers topics on a larger scale such as market structures and international trade. It particularly focuses on the US economy and analyzes the role of the government and the Federal Reserve System.

## Ethnic Studies (Genius)

1 semester, 0.50 credit

In one semester of five units, Ethnic Studies explores the history, culture, and experiences of different ethnic and racial groups. The course looks at the lives of Indigenous peoples, African Americans, Latin Americans, and Asian Americans and Pacific Islanders in the United States. By studying the experiences of people in these groups, you will develop a deeper understanding of their

contributions, struggles, and achievements. In this course, you will explore the effects of historical as well as current laws and policies. Many laws and policies have focused on specific groups of people based on race or ethnicity. You will learn about the ways in which ethnic groups have shaped and contributed to American society. You will also explore the obstacles groups have faced while working to gain citizenship and equality. And through discussion, research, and projects, you will learn how the impacts of race, ethnicity, and identity lead people to have very different lives.

## High School Civics (Genius)

1 semester, 0.50 credit

National Civics is a one-semester course offering seven units that cover topics including the origins of American government, the structure and function of our government, rights and responsibilities of citizens, the American federal system, political parties and the election process, basic economic principles, and current matters regarding domestic and foreign policy. The course includes a variety of unit and lesson activities that examine the history, culture, and economy of the nation that encourage research and reflection. In these activities, students will examine seminal documents and landmark Supreme Court cases in American political history, analyze changes in federal and executive power over time, explore the political election process and data related to recent voting trends, research and propose a public policy plan, as well as compare and contrast the functions of the national government with state and local governments. The course also prepares students to pass the civics portion of the USCIS Naturalization Test.

## High School World History A (Genius) semester 1, 0.50 credit
## High School World History B (Genius) semester 2, 0.50 credit

In World History, learners will explore historical world events with the help of innovative videos, timelines, and interactive maps and images. Learners will develop historical thinking skills and apply them to their study of European exploration, the Renaissance, the Reformation, and major world revolutions. They will also study World War I, World War II, the Cold War, and the benefits and challenges of living in the modern world.

## High School World History A Honors (Genius) semester 1, 0.50 credit
## High School World History B Honors (Genius) semester 2, 0.50 credit

In World History, learners will explore historical world events with the help of innovative videos, timelines, and interactive maps and images. Learners will develop historical thinking skills and apply them to their study of European exploration, the Renaissance, the Reformation, and major world

revolutions. They will also study World War I, World War II, the Cold War, and the benefits and challenges of living in the modern world.

## Holocaust Studies (Genius)

1 semester, 0.50 credit

Holocaust Studies is a one-semester course that describes the tragic mass murder of millions of Jews during the Nazi rule in Germany and its impact on the international community. In this course, students will trace the history of Jews living in Europe and the origins of anti-Semitism. Students will learn about the early life of Adolf Hitler and his rise to power. The course also describes how the Nazis exterminated the Jews and how the Jews resisted. Students will also learn about the liberation of the Jews and the impact of the Holocaust on the non-Jewish community. The course also covers the outcome of postwar trials.

## Introduction to Anthropology (Genius)

1 semester, 0.50 credit

Introduction to Anthropology is a one-semester course that introduces students to the field of anthropology. Students will explore the evolution of anthropology as a distinct discipline; learn about anthropological terms, concepts and theories; and discuss the evolution of humans and human society and culture. Students will also learn about social institutions, such as marriage, economy, religion, and polity. The target audience for this course is high school students.

## Introduction to Archaeology (Genius)

1 semester, 0.50 credit

Introduction to Archaeology is a one-semester course that introduces students to the work and techniques involved in archaeology, and the career prospects of an archaeologist. This course covers subject areas such as the history of modern archaeology; discoveries in archaeology; careers in archaeology; research techniques; evidence; site excavation; and many more.

## Introduction to Philosophy (Genius)

1 semester, 0.50 credit

Introduction to Philosophy provides students with an introduction to the field of philosophy and its great, timeless questions. This one-semester course is intended as a practical guide to help students understand the subject matter of philosophy, its main branches, and the major ideas and issues

discussed in each branch. Students will explore the origin and evolution of philosophy as a discipline and learn about the times, lives, and intellectual contributions of essential philosophers.

## Introduction to World Religions (Genius)

1 semester, 0.50 credit

Introduction to World Religions is a one-semester course that familiarizes students with the origins, history, beliefs, and practices of various prominent world religions, primal religions, and contemporary religious movements. The target audience for this course is high school students. This course covers primal religious traditions, Hinduism, Buddhism, Jainism, Sikhism, Zoroastrianism, Judaism, Christianity, Islam, Confucianism, Taoism, and Shinto and contemporary religious movements.

## Personal Financial Literacy (Genius)

1 semester, 0.50 credit

Personal Financial Literacy offers an engaging, scaffolded curriculum that introduces key topics and principles necessary to financial literacy. The one-semester course covers earning and spending; savings and investing; credit and debt; protection of assets; and financial planning and decision-making. Through real-life scenarios and hands-on activities, the course explores choosing among banking and investment options, shopping for an auto loan, choosing among career and college options, financing options for continuing education, planning for retirement, and creating and living within a budget. As a social studies course, Financial Literacy is designed to complement courses in Economics and Mathematics for Personal Finance. This course is built to state standards and further informed by standards from the Council for Economic Education's National Standards for Financial Literacy and the Jump$tart Coalition for Personal Financial Literacy's National Standards in K-12 Personal Finance Education.

## Psychology A (Genius) semester 1, 0.50 credit
## Psychology B (Genius) semester 2, 0.50 credit

Psychology gives your students an overview of the history of psychology while also giving them the resources to explore career opportunities in the field. Students will learn how psychologists develop and validate theories and will examine how hereditary, social, and cultural factors help form an individual’s behavior and attitudes. Students will also evaluate the effectiveness of different types of psychological counseling and therapy and describe key statistical concepts used in psychological research and testing. Finally, students will identify and explore career opportunities in psychology.

## Sociology (Genius)

1 semester, 0.50 credit

In the Sociology course, students will explore the evolution of sociology as a distinct discipline while learning about sociological concepts and processes. They will learn how the individual relates to and impacts society. Students will also learn about the influence of culture, social structure, socialization, and social change on themselves and others. The course combines a variety of content types, including lessons, activities, and discussions to engage learners as the discover sociology as a subject and as a career.

## U.S. Government (Genius)

1 semester, 0.50 credit

The interactive, problem-centered, and inquiry-based units in U.S. Government emphasize the acquisition, mastery, and processing of information. Semester A units include study of the foundations of American government and the American political culture, with units 2 and 3 covering the U.S. constitution, including its roots in Greek and English law, and the various institutions that impact American politics.

## U.S. History A (Genius) semester 1, 0.50 credit
## U.S. History B (Genius) semester 2, 0.50 credit

U.S. History v3.0 is a two-semester course aligned to the principles of the C3 Framework. The course promotes the examination, analysis, and evaluation of important people and events in the history of the United States of America. The course also uses investigative questions to guide the examination and analysis of events. The content of the course is designed to promote understanding of the impacts historical events had on the numerous groups of diverse people who make up the United States. Clarifying Big Ideas (CBI) Lessons appear throughout the course to model critical thinking skills and strategies. These skills and strategies are woven throughout the lessons to allow students to practice using the skills in context. Activities further promote critical thinking about historical figures and encourage learners to analyze factors that impacted the decisions these figures made to shape the growth and development of the United States. The activities have learners analyze and evaluate primary and secondary sources and have them form opinions while using evidence to support their opinions.

## World Geography A (Genius) semester 1, 0.50 credit
## World Geography B (Genius) semester 2, 0.50 credit

In an increasingly interconnected world, equipping students to develop a better understanding of our global neighbors is critical to ensuring that they are college and career ready. These semester-long courses empower students to increase their knowledge of the world in which they live and how its diverse geographies shape the international community. Semester A units begin with an overview of the physical world and the tools necessary to exploring it effectively. Subsequent units survey each continent and its physical characteristics and engage students and encourage them to develop a global perspective.

## Women's Studies (Genius)

1 semester, 0.50 credit

Women’s Studies is a one-semester course that introduces students to women’s studies, gender studies, and gender roles. The course traces the history of feminism, analyzes feminist theories, and examines intersectionality. Students will learn about social and political movements for the rights of women and other vulnerable groups. Students will also learn about social and family structures and socialization, which include identifying prejudices, biases, and stereotypes that exist in society and how the media perpetuates some stereotypes about gender roles and identities. The course also covers different forms of oppression, ways to prevent oppression, and methods to help and empower victims. Students will learn about international activism for gender equality, legal rights, and the challenges in achieving equality for all citizens from every section of society. The course combines a variety of content types, including lessons, activities, and discussions to engage learners as they discover the significance of women’s studies.

## World History Survey A (Genius) semester 1, 0.50 credit
## World History Survey B (Genius) semester 2, 0.50 credit

In World History Survey, learners will study major historical events from early human societies through to the present day. Multimedia tools including custom videos as well as videos from the BBC, custom maps, and interactive timelines will help engage learners as they complete this year-long course. Topics of study include early civilizations, world religions, the Renaissance, the World Wars, and the globalized world of today.

# ENGLISH

## AP® English Language and Composition A (Genius) semester 1, 0.50 credit
## AP® English Language and Composition B (Genius) semester 2, 0.50 credit

In AP® English Language and Composition, students investigate rhetoric and its impact on culture through analysis of notable fiction and nonfiction texts, from pamphlets to speeches to personal essays. The equivalent of an introductory college-level survey class, this course prepares students for the AP® exam and for further study in communications, creative writing, journalism, literature, and composition. Students explore a variety of textual forms, styles, and genres. By examining all texts through a rhetorical lens, students become skilled readers and analytical thinkers. Focusing specifically on language, purpose, and audience gives them a broad view of the effect of text and its cultural role. Students write expository and narrative texts to hone the effectiveness of their own use of language, and they develop varied, informed arguments through research. Throughout the course, students are evaluated with assessments specifically designed to prepare them for the content, form, and depth of the AP® Exam.

## AP® English Literature and Composition A (Genius) semester 1, 0.50 credit
## AP® English Literature and Composition B (Genius) semester 2, 0.50 credit

Each unit of AP® English Literature and Composition is based on a researched scope and sequence that covers the essential concepts of literature at an AP level. Students engage in in-depth analysis of literary works in order to provide both depth and breadth of coverage of the readings. Units include Close Analysis and Interpretation of Fiction, Short Fiction, the Novel, and Poetic Form and Content. Writing activities reinforce the reading activities and include writing arguments, analysis, interpretation, evaluation, and college application essays.

## Business English A (Genius) semester 1, 0.50 credit
## Business English B (Genius) semester 2, 0.50 credit

Business English is designed to strengthen students' ability to read and write in the workplace. Writing for business purposes is a main focus of the course. Students will learn how to communicate effectively through email and instant messaging, as well as format specific types of business messages and workplace documents. The role of digital media, visuals, and graphics in workplace communication will be explored. The importance of professionalism, ethics, and other positive skills

are also emphasized in the course. Additionally, guidance is provided to help students through the process of searching, applying, and interviewing for a job.

## Creative Writing (Genius)

1 semester, 0.50 credit

Creative Writing is designed to get students to pursue creative writing as a vocation or as a hobby. To that purpose, it exposes them to different genres and techniques of creative writing and the key elements (such as plot and characterization in fiction) in each genre. Great creative writing doesn't come merely by reading about the craft—one also needs ideas; a process for planning, drafting and revising; and the opportunity to experiment with different forms and genres. The lessons in this course familiarize students with the basic structure and elements of different types or genres of writing.

## English 09 A (Genius) semester 1, 0.50 credit
## English 09 B (Genius) semester 2, 0.50 credit

English 09 v7.0 is a completely re-designed course that offers 100% alignment to the Common Core State Standards for English Language Arts. In addition to an emphasis on alignment, the redesigned lessons are designed based on a clear thematic connection and build upon each other ensuring that standards are scaffolded and covered multiple times going deeper with each lesson. Texts in this course are diverse, authentic, complex, and rich in length. Students encounter texts multiple times over the course of a unit digging deeper in theme and focus standards. Each lesson follows a clear instructional model mirroring that of the traditional tier one lesson cycle: warm-up, direct teach with modeling, guided practice, independent practice, and closure. Instructional best practices are embedded throughout lessons such as close reading, modeling, and chunking. Features to support student mastery included guided notes and graphic organizers. Scaffolding pieces, such as Clarifying Big Ideas (CBI) lessons are included throughout the course to provide learners with opportunities to build on foundational skills as well as prepare for greater success by drawing learners' attention to common misunderstandings and articulating the big ideas that underpin learning. These CBI lessons include additional modeling, student examples, and detailed explanations to ensure students internalize key concepts discussed in tutorials.

## English 09 A Honors (Genius) semester 1, 0.50 credit
## English 09 B Honors (Genius) semester 2, 0.50 credit

English 09 v7.0 is a completely re-designed course that offers 100% alignment to the Common Core State Standards for English Language Arts. In addition to an emphasis on alignment, the redesigned

lessons are designed based on a clear thematic connection and build upon each other ensuring that standards are scaffolded and covered multiple times going deeper with each lesson. Texts in this course are diverse, authentic, complex, and rich in length. Students encounter texts multiple times over the course of a unit digging deeper in theme and focus standards. Each lesson follows a clear instructional model mirroring that of the traditional tier one lesson cycle: warm-up, direct teach with modeling, guided practice, independent practice, and closure. Instructional best practices are embedded throughout lessons such as close reading, modeling, and chunking. Features to support student mastery included guided notes and graphic organizers. Scaffolding pieces, such as Clarifying Big Ideas (CBI) lessons are included throughout the course to provide learners with opportunities to build on foundational skills as well as prepare for greater success by drawing learners' attention to common misunderstandings and articulating the big ideas that underpin learning. These CBI lessons include additional modeling, student examples, and detailed explanations to ensure students internalize key concepts discussed in tutorials.

## English 10 A (Genius) semester 1, 0.50 credit
## English 10 B (Genius) semester 2, 0.50 credit

English 10 is a completely re-designed course that offers 100% alignment to the Common Core State Standards for English Language Arts. In addition to the emphasis on alignment, the new lessons in the course are designed to be shorter in length than lessons of previous versions, offering focused exploration of topics to make concepts more digestible for learners, and intentionally grouped to reinforce connections. Practice questions are included with each lesson, including technology-enhanced items and explanations to assist learners in their understanding of the concepts. This new design offers learners multiple opportunities to experience the reading and writing connection via analysis tasks, and other opportunities to engage in research and experience writing across genres. Instructional best practices are embedded throughout lessons such as the close reading of texts and application of reading strategies. New features to support student mastery include worksheets for practice and guided notes to help learners record key takeaways as they move through the tutorial. Scaffolding pieces, such as Clarifying Big Ideas (CBI) lessons, are included throughout the course to provide learners with opportunities to build on foundational skills as well as prepare for greater success by drawing learners' attention to common misunderstandings and articulating the big ideas that underpin learning. These CBI lessons include additional modeling, student examples, and detailed explanations to ensure students internalize key concepts discussed in tutorials. This fresh new look and feel for the course was inspired by educator feedback. English 10 reflects our commitment to standards alignment and putting the needs of educators and learners first in all aspects of course design.

## English 10 A Honors (Genius) semester 1, 0.50 credit
## English 10 B Honors (Genius) semester 2, 0.50 credit

English 10 is a completely re-designed course that offers 100% alignment to the Common Core State Standards for English Language Arts. In addition to the emphasis on alignment, the new lessons in the course are designed to be shorter in length than lessons of previous versions, offering focused exploration of topics to make concepts more digestible for learners, and intentionally grouped to reinforce connections. Practice questions are included with each lesson, including technology-enhanced items and explanations to assist learners in their understanding of the concepts. This new design offers learners multiple opportunities to experience the reading and writing connection via analysis tasks, and other opportunities to engage in research and experience writing across genres. Instructional best practices are embedded throughout lessons such as the close reading of texts and application of reading strategies. New features to support student mastery include worksheets for practice and guided notes to help learners record key takeaways as they move through the tutorial. Scaffolding pieces, such as Clarifying Big Ideas (CBI) lessons, are included throughout the course to provide learners with opportunities to build on foundational skills as well as prepare for greater success by drawing learners' attention to common misunderstandings and articulating the big ideas that underpin learning. These CBI lessons include additional modeling, student examples, and detailed explanations to ensure students internalize key concepts discussed in tutorials. This fresh new look and feel for the course was inspired by educator feedback. English 10 reflects our commitment to standards alignment and putting the needs of educators and learners first in all aspects of course design.

## English 11 A (Genius) semester 1, 0.50 credit
## English 11 B (Genius) semester 2, 0.50 credit

English 11A explores the relation between American history and literature from the colonial period through the realism and naturalism eras. English 11B explores the relation between American history and literature from the modernist period through the contemporary era and presents learners with relevant cultural and political history. Readings are scaffolded with pre-reading information, interactions, and activities to actively engage learners in the content. The lessons in both semesters focus on developing grammar, vocabulary, speech, and writing skills.

## English 11 A Honors (Genius) semester 1, 0.50 credit
## English 11 B Honors (Genius) semester 2, 0.50 credit

English 11A explores the relation between American history and literature from the colonial period through the realism and naturalism eras. English 11B explores the relation between American history

and literature from the modernist period through the contemporary era and presents learners with relevant cultural and political history. Readings are scaffolded with pre-reading information, interactions, and activities to actively engage learners in the content. The lessons in both semesters focus on developing grammar, vocabulary, speech, and writing skills.

## English 12 A (Genius) semester 1, 0.50 credit
## English 12 B (Genius) semester 2, 0.50 credit

In keeping with the model established in English 11, these courses emphasize the study of literature in the context of specific historical periods, beginning with the Anglo-Saxon and medieval periods in Britain. Each lesson includes tutorials and embedded lesson activities that provide for a more engaging and effective learning experience. Semester B covers the romantic, Victorian, and modern eras. End of unit tests ensure mastery of the concepts taught in each unit, and exemptive pretests allow students to focus on content that they have yet to master.

## English 12 A Honors (Genius) semester 1, 0.50 credit
## English 12 B Honors (Genius) semester 2, 0.50 credit

In keeping with the model established in English 11, these courses emphasize the study of literature in the context of specific historical periods, beginning with the Anglo-Saxon and medieval periods in Britain. Each lesson includes tutorials and embedded lesson activities that provide for a more engaging and effective learning experience. Semester B covers the romantic, Victorian, and modern eras. End of unit tests ensure mastery of the concepts taught in each unit, and exemptive pretests allow students to focus on content that they have yet to master.

## Gothic Literature (Genius)
1 semester, 0.50 credit

Gothic Literature is a one-semester course intended to familiarize students with the different conventions, themes, and elements of Gothic literature through the analysis of representative literary works. Students will discuss classics such as Mary Shelley's novel Frankenstein, Ann Radcliffe's novel, A Sicilian Romance, Nathaniel Hawthorne's novel, The Scarlet Letter, Robert Louis Stevenson's Gothic novella, The Strange Case of Dr. Jekyll and Mr. Hyde, and Bram Stoker's Dracula. Students will also analyze Edgar Allan Poe's Gothic short stories, Robert Browning's Gothic poems, and Emily Dickinson's poems about death, mortality, and spirituality. Finally, students will get a glimpse of Matthew Lewis and Percy Bysshe Shelley's Gothic dramas; learn about Gothic parodies and Gothic subgenres; and discuss contemporary Gothic literature.

### Structure of Writing (Genius)
1 semester, 0.50 credit

This semester-long course focuses on building good sentences. Students will learn how to put words, phrases, and clauses together and how to punctuate correctly. They will start using sentences in short compositions. As an extra bonus, students will add some new words to their vocabulary, and they will practice spelling difficult words. Near the end of the course, students are to submit a book report. Early in the course, encourage students to start looking for the books they want to read for the book report. They might also preview the introduction to that lesson so they know what will be expected.

# ELECTIVES

## *Languages*

### French 1 A (Genius)
1 semester, 0.50 credit

In French 1A, they will be introduced to several common situations in which people communicate, such as exchanging names and greetings, describing people by physical and personality traits, and describing family members and aspects of their social life. They will start with basic sentence structures and grammatical tools, and they will communicate by listening, speaking, reading, and writing in French as they internalize new vocabulary and grammar. Students will also learn about some regions of the French-speaking world that the central characters of each unit are visiting. Students will build on this semester's work as they advance in their French studies: everything that they learn about a language and the cultures in which it is spoken will serve as a foundation for further learning.

### French 1 B (Genius)
1 semester, 0.50 credit

In French 1B, students will be introduced to several common situations in which people describe how to earn, save, and manage money, modes of urban transportation, various seasons and the associated weather conditions, food, clothes, and activities. They will also describe various art forms, plays, concerts, and movies. Students will discuss health and well-being, and travel and tourism. They will build on what they learned in the French 1A course and communicate by listening, speaking, reading, and writing in French as they internalize new vocabulary and grammar. They will also learn about some regions of the French speaking world that the central characters of each unit are visiting.

Students will build on this semester's work as they advance in their French studies: everything that they learn about a language and the cultures in which it is spoken will serve as a foundation for further learning.

## French 2 A (Genius)

1 semester, 0.50 credit

In French 2A, students will be reintroduced to French in common situations, beginning with describing classes, school friends, teachers, and school supplies. They will discuss different styles of dressing, housing, and neighborhoods, and learn about relationships between family members and friends, students and teachers, and employees and employer. Students will also describe daily personal routines and schedules, household chores, and family responsibilities. Finally, they will discuss different types of cuisine, dining establishments, and dining etiquette. Students will build on what they learned in the French 1B course to communicate by listening, speaking, reading, and writing in French as they internalize new vocabulary and grammar. They will also learn about some regions of the French-speaking world where the central characters of each unit are visiting. Students will build on this semester's work as they advance in their French studies: everything that they learn about a language and the cultures in which it is spoken will serve as a foundation for further learning.

## French 2 B (Genius)

1 semester, 0.50 credit

In French 2B, students will be reintroduced to French in common situations, beginning with various professions and career plans for the future. They will discuss traveling to different regions and the flora and fauna found in each region and describe different types of trips, including road trips, camping, and ecotourism. Students will also describe different hobbies, activities, and crafts that people enjoy. Finally, they will discuss about different medical specialists, including dentists and veterinarians, and describe symptoms related to illness and injury. Students will build on what they learned in the French 2A course to communicate by listening, speaking, reading, and writing in French as they internalize new vocabulary and grammar. They will also learn about some regions of the French-speaking world where the central characters of each unit are visiting. Students will build on this semester's work as they advance in their French studies: everything that they learn about a language and the cultures in which it is spoken will serve as a foundation for further learning.

## German 1 A (Genius)

1 semester, 0.50 credit

In German 1A, students will be introduced to several common situations in which people communicate, such as exchanging names and greetings, describing people by physical and

personality traits, and describing family members and aspects of their social life. They will start with basic sentence structures and grammatical tools, and they will communicate by listening, speaking, reading, and writing in German as they internalize new vocabulary and grammar. Students will also learn about some regions of the German-speaking world that the central characters of each unit are visiting. They will build on this semester's work as they advance in their German studies: everything that students learn about a language and the cultures in which it is spoken will serve as a foundation for further learning.

## German 1 B (Genius)

1 semester, 0.50 credit

In German 1B, students will be introduced to several common situations in which people describe how to earn, save, and manage money, modes of urban transportation, various seasons and the associated weather conditions, food, clothes, and activities. They will also describe various art forms, plays, concerts, and movies. Students will discuss health and well-being, and travel and tourism. They will build on what they have learned in the German 1A course to communicate by listening, speaking, reading, and writing in German as they internalize new vocabulary and grammar. They will also learn about some regions of the German-speaking world that the central characters of each unit are visiting. Students will build on this semester's work as they advance in their German studies: everything that they learn about a language and the cultures in which it is spoken will serve as a foundation for further learning.

## German 2 A (Genius)

1 semester, 0.50 credit

In German 2A, students will be reintroduced to German in common situations, beginning with describing classes, school friends, teachers, and school supplies. They will discuss different styles of dressing, housing and neighborhoods, and learn about relationships between family members and friends, students and teachers, and employees and employer. They will also describe daily personal routines and schedules, household chores, and family responsibilities. Finally, students will discuss different types of cuisine, dining establishments, and dining etiquette. They will build on what they learned in the German 1B course to communicate by listening, speaking, reading, and writing in German as they internalize new vocabulary and grammar. Students will also learn about some regions of the German-speaking world where the central characters of each unit are visiting. Students will build on this semester's work as they advance in their German studies: everything that they learn about a language and the cultures in which it is spoken will serve as a foundation for further learning.

## German 2 B (Genius)

1 semester, 0.50 credit

In German 2B, students will be reintroduced to German in common situations, beginning with various professions and career plans for the future. They will discuss traveling to various regions and the flora and fauna found in each region and describe types of trips, including road trips, camping, and ecotourism. They will also describe hobbies, activities, and crafts that people enjoy. Finally, students will discuss medical specialists, including dentists and veterinarians, and symptoms related to illness and injury. They will build on what they learned in the German 2A course to communicate by listening, speaking, reading, and writing in German as they internalize new vocabulary and grammar. They will also learn about some regions of the German-speaking world where the central characters of each unit are visiting. Students will build on this semester's work as they advance in their German studies: everything that they learn about a language and the cultures in which it is spoken will serve as a foundation for further learning.

## Spanish 1 A (Genius)

1 semester , 0.50 credit

In Spanish 1A, students will be introduced to several common situations in which people communicate, such as exchanging names and greetings, describing people by physical and personality traits, and describing family members and aspects of social life. Students will start with basic sentence structures and grammatical tools, and they will learn to communicate by listening, speaking, reading, and writing in Spanish as they learn new vocabulary and grammar. They will also learn about some regions of the Spanish-speaking world that the central characters of each unit are visiting.

## Spanish 1 B (Genius)

1 semester, 0.50 credit

In Spanish 1B, students will be introduced to several common situations in which people describe how to earn, save, and manage money, modes of urban transportation, various seasons and the associated weather conditions, food, clothes, and activities. They will also describe various art forms, plays, concerts, and movies. Students will discuss health and well-being and travel and tourism. They will build on what they learned in the Spanish 1B course to communicate by listening, speaking, reading, and writing in Spanish as they internalize new vocabulary and grammar. Students will also learn about some regions of the Spanish-speaking world that the central characters of each unit are visiting. They will build on this semester's work as they advance in their Spanish studies: everything that they learn about a language and the cultures in which it is spoken will serve as a foundation for further learning.

## Spanish 2 A (Genius)

1 semester, 0.50 credit

In Spanish 2A, students will be reintroduced to Spanish in common situations, beginning with describing classes, school friends, teachers, and school supplies. Students will discuss different styles of dressing, housing, and neighborhoods, and learn about relationships between family members and friends, students and teachers, and employees and employer. They will also describe daily personal routines and schedules, household chores, and family responsibilities. Finally, students will discuss different types of cuisine, dining establishments, and dining etiquette. They will build on what you learned in Spanish 1B to communicate by listening, speaking, reading, and writing in Spanish as they internalize new vocabulary and grammar. Students will also learn about some regions of the Spanish-speaking world where the central characters of each unit are visiting. They will build on this semester's work as they advance in their Spanish studies: everything that students learn about a language and the cultures in which it is spoken will serve as a foundation for further learning.

## Spanish 2 B (Genius)

1 semester, 0.50 credit

In Spanish 2B, students are reintroduced to Spanish in common situations, beginning with various professions and career plans for the future. They will discuss traveling to different regions and the flora and fauna found in each region and describe different types of trips, including road trips, camping, and ecotourism. They will also describe different hobbies, activities, and crafts that people enjoy. Finally, students will discuss about different medical specialists, including dentists and veterinarians, and describe symptoms related to illness and injury. They will build on what they have learned in the Spanish 2A course to communicate by listening, speaking, reading, and writing in Spanish as they internalize new vocabulary and grammar. Students will also learn about some regions of the Spanish speaking world where the central characters of each unit are visiting. They will build on this semester's work as they advance in their Spanish studies: everything that students learn about a language and the cultures in which it is spoken will serve as a foundation for further learning.

## Spanish 3 A (Genius)

1 semester, 0.50 credit

In Spanish 3A, students will be reintroduced to Spanish in common situations, beginning with various daily routines, describing friends and family, childhood memories and activities, and childhood hopes and aspirations. They will discuss and describe art, such as paintings and sculptures, and literature, such as novels and novellas, and give reactions and form opinions about art and literature. Students will also understand the process of selecting and applying to a university, aspirations at the university,

and dealing with leaving home and moving into a dormitory. Further, students will describe university life and expectations from the university experience. They will explore the dynamics and challenges of multiethnic and developing societies, environmental and social issues, causes and possible resolutions, and learning about unfamiliar countries using technology. Finally, they will discuss current events reported in the media, different types of classified and other types of advertisement in the media (both print and online), the sections and supplements of a newspaper or magazine, and various jobs available in the media. Students will build on what they learned in Spanish 2 to communicate by listening, speaking, reading, and writing in Spanish as they internalize new vocabulary and grammar. They will also learn about some regions of the Spanish-speaking world where the central characters of each unit are visiting. Students will build on this semester's work as they advance in their Spanish studies: everything that students learn about a language and the cultures in which it is spoken will serve as a foundation for further learning.

## Spanish 3 B (Genius)

1 semester, 0.50 credit

In Spanish 3B, students will be reintroduced to Spanish in a variety of situations, beginning with multiculturalism, bilingualism, cultural influences on traditions, customs, food, and social experiences, and legends and folklore from different cultures. Students will discuss and describe genres of music, poetry, drama, and short stories, and proverbs from different cultures. They will also explore how geographical features affect the weather, and how the geography and weather affect the clothing, food, and livelihoods of the local population. Students will also understand the history of Venezuela and how the Spanish conquerors and indigenous people shaped the culture of the country, and they will learn about the South American independence movement, including some significant freedom fighters and their struggles to win independence. They will also discuss religions practiced in Argentina, the cultural icons of the country and how they compare to cultural icons from other countries, sports and activities in Argentina, some national symbols, such as the gauchos, and idioms and sayings from Argentina. Finally, students will discuss types of wildlife and natural and agricultural resources found in Costa Rica, the human resources of the country that help overcome economic and natural disasters, and how to write formal and informal letters to share experiences. They will build on what they learned in Spanish 3A to communicate by listening, speaking, reading, and writing in Spanish as they internalize new vocabulary and grammar. Students will also learn about some regions of the Spanish-speaking world where the central characters of each unit are visiting. They will build on this semester's work as they advance in their Spanish studies: everything that they learn about a language and the cultures in which it is spoken will serve as a foundation for further learning.

# Arts

## Art History and Appreciation (Genius)
1 semester, 0.50 credit

This course explores the main concepts of art, expression, and creativity as it helps students answer questions such as what is art; what is creativity; and how and why people respond to art. It covers essential design principles such as emphasis, balance, and unity. Units include: Art, History, and Culture; Western and World Art Appreciation; and Art and the Modern World.

## Audio/Video Production 1 A (Genius) semester 1, 0.50 credit
## Audio/Video Production 1 B (Genius) semester 2, 0.50 credit

Audio/Video Production 1 is designed to enable students to learn the basics of audio/video production. The course will help students develop an understanding of the industry with a focus on pre-production, production, and post-production audio and video activities, video production (including using advanced techniques), and careers and ethics in audio/video production. The course is based on Career and Technical Education (CTE) standards designed to help students develop technical knowledge and skills needed for success in the audio/video production industry.

## Audio/Video Production 2 A (Genius) semester 1, 0.50 credit
## Audio/Video Production 2 B (Genius) semester 2, 0.50 credit

Audio/Video Production 2 is designed to enable students to develop the knowledge and skills related to audio/video techniques that they can use in their careers. This course covers the elements of audio/video production, preproduction activities, production activities, postproduction activities, media production techniques, media formats and distribution, and media ethics and critique. The course is based on Career Technical Education (CTE) standards designed to help students develop technical knowledge and skills needed for success in the audio/video production industry.

## Audio/Video Production 3 A (Genius) semester 1, 0.50 credit
## Audio/Video Production 3 B (Genius) semester 2, 0.50 credit

Audio/Video Production 3 is designed to enable students to understand basic concepts in audio/video manufacturing. Students will learn about preproduction techniques, advanced production

techniques, advanced post-production techniques, mastering production techniques, special effects and animation, and audio/video careers and production laws. The course is based on Career Technical Education (CTE) standards designed to help students prepare for entry into a wide range of careers in audio/video production.

## Digital and Interactive Media A (Genius) semester 1, 0.50 credit
## Digital and Interactive Media B (Genius) semester 2, 0.50 credit

Digital and Interactive Media is a comprehensive introduction to careers in the rapidly expanding world of digital art. The course covers creative and practical aspects of digital art as well as careers, training, and emerging technologies in digital media. Students will learn concepts involved in digital media, such as graphic design, principles of design, digital printing, digital communication systems, and digital publishing. This course explores various career options and students will create a digital portfolio.

## Graphic Design and Illustration A (Genius) semester 1, 0.50 credit
## Graphic Design and Illustration B (Genius) semester 2, 0.50 credit

The Graphic Design and Illustration course allows students to develop an understanding of the industry with a focus on topics such as history of graphic design, types of digital images, graphic design tools, storing and manipulating images, design elements and principles, copyright laws, and printing images. The course is based on Career Technical Education (CTE) standards designed to help students develop technical knowledge and skills needed for success in careers in the graphic design industry.

## Introduction to Visual Arts (Genius)
1 semester, 0.50 credit

Introduction to Visual Arts is designed to enable all students at the high school level to familiarize themselves with different types of visual arts. Students will trace the history of art, describe various art forms, and identify the elements of art. After examining the principles of design, students will delve into the parameters involved in evaluating and critiquing art.

## Music Appreciation (Genius)
1 semester, 0.50 credit

In a time of an increasing emphasis on STEM courses and skills, it remains essential to provide your students with opportunities to explore the arts from both an informational and career-oriented

perspective. In Music Appreciation, students will explore the history and evolution of music, learn the elements of music and musical notations, and the contributions of popular music artists and composers. A variety of lessons, activities, and discussions will help to develop an awareness and appreciation of music that will develop not only critical thinking skills, but life enriching skills as well.

## Principles of Arts, Audio/Video Technology, and Communications A (Genius) semester 1, 0.50 credit

## Principles of Arts, Audio/Video Technology, and Communications B (Genius) semester 2, 0.50 credit

Principles of Arts, A/V Technology, and Communications appeals to students' familiarity with a variety of sensory inputs and stimuli. With an emphasis on visual arts, the lessons in the course introduce learners to careers in design, photography, performing arts, fashion, and journalism, among others. This course covers inherently engaging topics that will stimulate your students as they consider careers in which the arts, technology, and communications intersect.

## Professional Photography A (Genius) semester 1, 0.50 credit

## Professional Photography B (Genius) semester 2, 0.50 credit

Few recent technical innovations have changed an industry as fundamentally as digital photography has changed everything about the way we capture our lives in the way we take, edit, store, and share pictures. Professional Photography provides a practical, hands-on guide to help students understand the skills required to achieve success in photography careers. This course will cover various topics, such as types of photography, using digital cameras, photographic lighting and composition, manipulating images, printing photos, darkroom development, evaluating photographs, and print production. By the end of the courses, students will learn how to create a photography portfolio.

## Theater, Cinema, and Film Production (Genius)

1 semester, 0.50 credit

Theater, Cinema, and Film Production is a one-semester course that explores what goes into the making of a theater and film production. The course’s lessons focus on the pre-production, production, and post-production stages of theater and film productions. Students will be introduced to theater and film, and their different genres and subgenres. They will also learn about roles and responsibilities of the cast and crew, including the director, actors, screenplay writers, set designers, wardrobe stylists and costume designers, and makeup artists. The course also covers technical aspects, such as lighting and sound. Students will also learn about the influence of the audience on

theater, cinema, and film production. The course combines a variety of content types, including lessons, activities, and discussions to keep students engaged as they discover the world of theater, cinema, and film production.

# *Information Technology*

## AP® Computer Science A (Genius)

1 semester, 0.50 credit

AP® Computer Science is designed to introduce students to the basic concepts of computer programming. Students learn how to compile and run a Java program. They learn to use arithmetic, relational, and logical operators. They learn to use different decision-making and loop statements. They learn to create classes, methods, String objects, and an ArrayList object. They learn to perform sequential search, binary search, selection sort, and insertion sort on an array. They learn to implement object-oriented programming design. They learn to implement inheritance, polymorphism, and abstraction. Further, they describe privacy and legality in the context of computing.

## Artificial Intelligence (Genius)

1 semester, 0.50 credit

This one-semester course is focused on the history, applications, and innovations of artificial intelligence. Students will learn about intelligence agents, problem solving using search algorithms, knowledge representation, and reasoning in artificial intelligence. Students will also learn about the basic concepts of machine learning and natural language processing (NLP). Students will also learn about expert systems, computer vision and robotics. This 12-lesson course also covers ethics and safety related to artificial intelligence. Online discussions and course activities require students to develop and apply critical thinking skills, while the included games appeal to a variety of learning styles and keep students engaged.

## Computer Applications (Genius)

1 semester, 0.50 credit

Computer Applications provides an introduction to software applications that prepares students to succeed in the workplace and beyond. Students will develop an understanding of professional communications and leadership skills while gaining proficiency with word processing, email, and presentation management software. Students will also be able to demonstrate digital literacy through basic study web publishing and design, spreadsheets and database software. This course allows students to explore careers in the fields of business and information technology while learning skills

applicable to any professional setting. Through a series of hands-on activities, students will create, analyze, and critique reports, letters, project plans, presentations, and other professional communications. Regular engagement in active learning ensures students can continually refine the skills necessary to prepare them for work. In addition, students will evaluate the qualifications required for specific careers so they can identify opportunities that are of interest to them. Computer Applications is an introductory level Career and Technical Education course applicable to programs of study in Business Management and Administration, Information Technology, and other career clusters.

## Computer Programming 1 A (Genius) semester 1, 0.50 credit
## Computer Programming 1 B (Genius) semester 2, 0.50 credit

Computing for College and Careers is intended as a practical, hands-on guide to help students understand basic computer skills required in their college education as well as in their career. This course covers basic computer hardware components, software applications, productivity applications such as word processing software, spreadsheet software, and presentation software, and new hardware and software technologies such as virtualization, cloud computing, green computing, and blockchain technology. This course also explores various career options and provides guidelines on privacy, security, and ethical issues related to software and internet use.

## Computer Science Essentials (Genius)

1 semester, 0.50 credit

Computer Science Essentials offers a focused curriculum designed around foundational computer science concepts, including computer systems, programming, networks, and data management. The course also introduces students to foundational computer science skills such as coding, troubleshooting, and being a responsible digital citizen. Course topics include the history and impact of computers; careers in computer science; computing laws and ethics; bias and equity issues in computing; algorithms and coding; data storage, organization, and analysis; hardware and software; robotics; networks and the internet; cybersecurity and online safety; website design; and the use of abstraction in computing. Students discover new concepts through guided instruction and confirm their understanding in an interactive, feedback-rich environment. A variety of activities encourage students to explore different aspects of computer science. Lab activities guide students through coding their own programs. Project and Explore activities reinforce critical thinking, research, writing, and communication skills. In addition, Project activities guide students through the development of different types of computer artifacts. In Discussions, students conduct research on current computing topics and then exchange ideas with their peers. Practice activities provide additional opportunities for students to apply learned concepts and practice their writing, reasoning, and computer literacy skills.

## Computing for College and Careers A (Genius) semester 1, 0.50 credit
## Computing for College and Careers B (Genius) semester 2, 0.50 credit

Computing for College and Careers is intended as a practical, hands-on guide to help students understand basic computer skills required in their college education as well as in their career. This course covers basic computer hardware components, software applications, productivity applications such as word processing software, spreadsheet software, and presentation software, and new hardware and software technologies such as virtualization, cloud computing, green computing, and blockchain technology. This course also explores various career options and provides guidelines on privacy, security, and ethical issues related to software and internet use.

## Game Development (Genius)
1 semester, 0.50 credit

Game Development teaches students the ins and outs of game development to prepare them for a career in the field. This course covers the history of video games, character development, mobile game design, user interface design, social gaming, and the principles of development design and management methodologies. While fun and highly engaging, the course focuses on laying a strong foundation for a career in game development.

## Introduction to Android Mobile App Development (Genius)
1 semester, 0.50 credit

Introduction to Android Mobile App Development is a one-semester course that familiarizes students with the knowledge, skills, and training required for a career in Android mobile app development. This course introduces the process involved in creating a mobile app and provides a tour of the history of and upcoming trends in mobile app development. The course provides students the opportunity to explore how to start a mobile app development company. Finally, the course culminates in students creating a new project in Android Studio, creating the user interface of an app, and making it interactive in Android Studio.

## Introduction to Cybersecurity (Genius)
1 semester, 0.50 credit
Introduction to Cybersecurity introduces students to the field of cybersecurity, focusing primarily on personal computer use and vulnerabilities while also highlighting the wider scope of cybersecurity from a societal and career perspective. Specific topics include computer security, VPN and wireless security, risk management, and laws, standards, and ethics related to cybersecurity

## Introduction to iOS Mobile App Development (Genius)

1 semester, 0.50 credit

Introduction to iOS Mobile App Development is a one-semester course that familiarizes students with the knowledge, skills, and training required for a career in iOS mobile app development. This course introduces the process involved in creating a mobile app and provides a tour of the history of and upcoming trends in mobile app development. The course provides students the opportunity to explore how to start a mobile app development company. Finally, the course culminates in students learning about the iOS develop

## Introduction to Social Media (Genius)

1 semester, 0.50 credit

Introduction to Social Media is a one-semester course intended to familiarize students with the evolution and rapid growth of social media. The course explores different types of social media platforms, their features, and their benefits and risks. Students will learn about wikis and crowdsourcing and how social media is used for marketing. The course also covers online security and privacy risks, safety guidelines, and what it means to be a good digital citizen.

## Networking Fundamentals A (Genius) semester 1, 0.50 credit
## Networking Fundamentals B (Genius) semester 2, 0.50 credit

This course is a two-semester course focused on the concepts of networking. Students will learn about careers in networking and employability skills required for a career in networking. Students will learn about the types of networks, network topologies, the Open Systems Interconnection (OSI) model, Internet protocol addresses, and Internet of Things (IoT) technologies. Students will learn about networking devices, cables, media, and connectors. Students will learn to set up a small wired network. Students will learn about network security threats and preventive measures to secure a network. This course also covers network planning, administration, troubleshooting, and maintenance. Students will learn about wireless networking standards and access methods. Students will learn to set up and secure a wireless network. Students will learn about virtual private networks and cloud computing. Students will also learn to troubleshoot issues related to wired and wireless networks. Unit activities in the course help students to develop and apply critical thinking skills. Animations included in the lesson keep students engaged. Students can understand technical concepts very easily. Simulations provide students with a real computer environment to practice various procedural steps.

## Principles of Information Technology A (Genius) semester 1, 0.50 credit
## Principles of Information Technology B (Genius) semester 2, 0.50 credit

Principles of Information Technology prepares students to succeed in the workplace. Students begin by establishing an awareness of the roles essential to an organization's success, and then work to develop an understanding of professional communications and leadership skills. In doing so, students gain proficiency with word processing, email, and presentation management software. Students will also be able to demonstrate digital literacy through basic study of computer hardware, operating systems, networking, the Internet, web publishing, spreadsheets and database software. This course allows students to explore careers in information technology and business while learning skills applicable to any professional setting. Through a series of hands-on activities, students will create, analyze, and critique reports, letters, project plans, presentations, and other professional communications. Students will learn what to expect in the field of Information Technology and begin exploring career options in the field. Regular engagement in active learning ensures students can continually refine the skills necessary to prepare them for work. In addition, students will evaluate the qualifications required for specific careers so they can identify opportunities that are of interest to them. Principles of Information Technology is a full-year introductory Career and Technical Education course applicable to programs of study in business, management, and administration; information technology; and other career clusters. This course is built to state and national standards. Students who successfully complete the course will be prepared to pursue the Microsoft® Office Specialist certifications in Microsoft Word, Microsoft Excel and Microsoft Access*, as well as IC3 certification. *Microsoft is a registered trademark of Microsoft Corporation in the United States and/or other countries. This course was originally created for Apex Courses.

## Security Fundamentals A (Genius) semester 1, 0.50 credit
## Security Fundamentals B (Genius) semester 2, 0.50 credit

Security Fundamentals is designed to enable students at the high school level to develop the critical skills and knowledge necessary for careers in cybersecurity. Students will learn about the basic concepts of cybersecurity, basic computer components, file management, types of networks, Open Systems Interconnection (OSI) model, network protocols, and IP addresses. This course then covers security threats, prevention methods, and legal and ethical issues in cybersecurity. After gaining an understanding of security agencies, security topologies, quality control systems, and physical security devices, students will explore securing network devices, data security, data backup and recovery, and risk management.

## Web Technologies A (Genius) semester 1, 0.50 credit
## Web Technologies B (Genius) semester 2, 0.50 credit

The Web Technologies course provides students with the essentials of web design and helps them discover what makes a site truly engaging and interactive. Lessons on topics such as design principles, graphics, and web standards help students understand the elements of effective and dynamic web design. Students will create web pages in HTML, use JavaScript to create basic scripts, create DHTML and XML documents, and use a WYSIWYG editor. Finally, students will learn how to launch a website and describe the administration of web servers.

# *Health and Fitness*

## Adaptive Physical Education (Genius)
1 semester, 0.50 credit

This course is designed specifically for students with physical limitations. The content is similar to Fitness Fundamentals 1, but additional modification resources are provided to allow for customized exercise requirements based on a student's situation. In addition, students learn the basic skills and information needed to begin a personalized exercise program and maintain an active and healthy lifestyle. Students research the benefits of physical activity, as well as the techniques, components, principles, and guidelines of exercise to keep them safe and healthy.

## Advanced Physical Education 1 (Genius)
1 semester, 0.50 credit

This course guides students through an in-depth examination of the effects of exercise on the body. Students learn how to exercise efficiently and properly, while participating in physical activities and applying principles they've learned. Basic anatomy, biomechanics, physiology, and sports nutrition are all integral parts of this course. Throughout this course students participate in a weekly fitness program involving elements of cardio, strength, and flexibility.

## Advanced Physical Education 2 (Genius)
1 semester, 0.50 credit

This course gives the student an in-depth view of physical fitness by studying subjects such as: biomechanics, nutrition, exercise programming, and exercise psychology. Students will apply what they learn by participating in a more challenging exercise requirement. Throughout this course students participate in a weekly fitness program involving elements of cardio, strength, and flexibility.

## Allied Health Careers A (Genius) semester 1, 0.50 credit
## Allied Health Careers B (Genius) semester 2, 0.50 credit

Allied Health Careers focuses on the health care delivery system and careers in allied health services. In semester A, students begin by learning the structures and functions of various body systems. They explore common diseases and disorders of each system and discuss strategies and factors that influence overall health and wellness. In addition, semester A covers medical terminology, diagnostic imaging techniques, electrocardiography, common laboratory tests, and respiratory care. Semester B focuses on the skills and knowledge needed by allied health professionals in various health care fields. It also covers information concerning safety, law, and ethics in health care settings. In addition, students learn important workplace skills related to communication, teamwork, and leadership. The lesson activities, unit activities, course assignment, and course project help students develop and apply critical thinking skills. The videos keep students engaged. And the practice test at the end of the course helps students reinforce their understanding of key concepts.

## Applied Medical Terminology A (Genius) semester 1, 0.50 credit
## Applied Medical Terminology B (Genius) semester 2, 0.50 credit

Applied Medical Terminology helps students understand the structure and meaning of medical terms and identify medical terminology associated with various body systems. As the health care industry becomes more complex, developing expertise in accurately and efficiently identifying medical terms and their specific application is essential to a growing variety of health care careers. This course begins to prepare your students for those careers.

## Certified Nurse Aide A (Genius) semester 1, 0.50 credit
## Certified Nurse Aide B (Genius) semester 2, 0.50 credit

The course is designed to enable students to learn the key skills and information that they need to work as certified nurse aides. The course will help students develop an understanding of the human body, physical and nutritional needs, mental health needs and teach them to provide culturally competent and quality care to clients in a safe and healthy environment. The course is based on the NNAAP Exam syllabus and is designed to prepare students to take the exam and become certified nurse aides. The course has animations and videos that demonstrate key skills that students must acquire to work as nurse aides. The practice test at the end of the course gives students practice on the written exam that they'll need to give to become certified nurse aides.

## Comprehensive Physical Education (Genius)

1 semester, 0.50 credit

In this course students will explore concepts involving personal fitness, team sports, dual sports, and individual and lifetime sports. Students will focus on health-related fitness as they set goals and develop a program to improve their fitness level through cardio, strength, and flexibility training. In addition, they will learn about biomechanics and movement concepts, as they enhance their level of skill-related fitness. Students will learn about game play concepts and specifically investigate the rules, guidelines, and skills pertaining to soccer, softball, volleyball, tennis, walking and running, dance, and yoga. Throughout this course students will also participate in a weekly fitness program involving elements of cardio, strength, and flexibility training.

## Drugs & Alcohol (Genius)

1 semester, 0.50 credit

This course delves into the types and effects of drugs, including alcohol, tobacco, steroids, over the counter drugs, marijuana, barbiturates, stimulants, narcotics, and hallucinogens. Students learn about the physiological and psychological effects of drugs, as well as the rules, laws, and regulations surrounding them. The difference between appropriate and inappropriate drug use will also be discussed. In addition, students will learn about coping strategies, healthy behaviors, and refusal skills to help them avoid and prevent substance abuse, as well as available resources where they can seek help.

## Exercise Science (Genius)

1 semester, 0.50 credit

This course takes an in-depth examination of the effects of exercise on the body. Through this course, students will learn basic anatomy, biomechanics, and physiology, as well as proper principles and techniques to designing an effective exercise program. The study of nutrition and human behavior will also be integrated into the course to enhance the students' comprehension of this multifaceted subject.

## Family & Consumer Science (Genius)

1 semester, 0.50 credit

Family & Consumer Science prepares students with a variety of skills for independent or family living. Topics covered include childcare, home maintenance, food preparation, money management, medical management, clothing care, and more. They also focus on household, personal, and consumer health

and safety. In addition, students learn goal setting and decision-making skills, as well as explore possible career options.

## Family Living & Healthy Relationships (Genius)

1 semester, 0.50 credit

In this course, students examine the family unit and characteristics of healthy and unhealthy relationships at different phases of life-- including information on self- discovery, family, friendships, dating and abstinence, marriage, pregnancy, and parenthood. Students learn about the life cycle and the different stages of development from infancy to adulthood. They also focus on a variety of skills to improve relationships and family living, including coping skills, communication skills, refusal skills, babysitting, parenting, and healthy living and disease prevention habits.

## First Aid & Safety (Genius)

1 semester, 0.50 credit

In this course, students learn and practice first aid procedures for a variety of common conditions, including muscular, skeletal, and soft tissue injuries. In addition, students learn how to appropriately respond to a variety of emergency situations. They also learn the procedures for choking and CPR for infants, children, and adults. In addition to emergency response, students will explore personal, household, and outdoor safety, and disaster preparedness.

## Fitness Basics 1 (Genius)

1 semester, 0.50 credit

This course provides students with a basic understanding of fitness and nutrition. Students will learn about exercise safety, team and individual sports, nutrition, and the importance of staying active throughout their lifetime. Students conduct fitness assessments, set goals, develop their own fitness program, and participate in weekly physical activity.

## Fitness Basics 2 (Genius)

1 semester, 0.50 credit

This course provides students with a basic understanding of fitness and nutrition. Students will learn about exercise safety, team and individual sports, nutrition, and the importance of staying active throughout their lifetime. Students conduct fitness assessments and participate in weekly physical activity.

## Flexibility Training (Genius)

1 semester, 0.50 credit

This course focuses on the often-neglected fitness component of flexibility. Students establish their fitness level, set goals, and design their own flexibility training program. They study muscular anatomy and learn specific exercises to stretch each muscle or muscle group. Students focus on proper posture and technique while training. They also gain an understanding of how to apply the FITT principles to flexibility training. This course explores aspects of static, isometric, and dynamic stretching, as well as touch on aspects of yoga and Pilates. This course also discusses good nutrition and effective cross-training. Students take a pre- and post-fitness assessment. Throughout this course students also participate in a weekly fitness program involving flexibility training, as well as elements of cardio and strength training.

## Group Sports (Genius)

1 semester, 0.50 credit

This course provides students with an overview of group sports. Students learn about a variety of sports, yet do an in-depth study of soccer, basketball, baseball/softball, and volleyball. Students learn not only the history, rules, and guidelines of each sport, but practice specific skills related to each sport. Students also learn about sportsmanship and teamwork. In addition, students study elements of personal fitness, goal setting, sport safety, and sports nutrition. Students conduct fitness assessments and participate in regular weekly physical activity.

## Health (Genius)

1 semester, 0.50 credit

This course is based on a rigorously researched scope and sequence that covers the essential concepts of health. Students are provided with a variety of health concepts and demonstrate their understanding of those concepts through problem solving. The five units explore a wide variety of topics that include nutrition and fitness, disease and injury, development and sexuality, substance abuse, and mental and community health. Health & Personal Wellness This comprehensive health course provides students with essential knowledge and decision-making skills for a healthy lifestyle. Students will analyze aspects of emotional, social, and physical health and how these realms of health influence each other. Students will apply principles of health and wellness to their own lives. In addition, they will study behavior change and set goals to work on throughout the semester. Other topics of study include substance abuse, safety and injury prevention, environmental health, and consumer health.

## Health 2 (Genius)

1 semester, 0.50 credit

Health Careers In this course, students explore a variety of career options related to the health care field, including medicine, nursing, physical therapy, pharmacy, dental careers, sports medicine, personal training, social work, psychology, and more. Students will learn about various options within each field, what each of these jobs entails, and the education and knowledge required to be successful. In addition, they will focus on basic job skills and information that would aid them in health care and other career paths.

## Health Extended (Genius)

1 semester, 0.50 credit

Health Extended is a valuable, skills-based health education course designed for general education in grades 9 through 12. Health helps students develop knowledge, attitudes, and essential skills in a variety of health-related subjects, including mental and emotional health, social health, nutrition, physical fitness, substance use and abuse, disease prevention and treatment, and injury prevention and safety. Through use of accessible information and project-based learning, students apply the skills they need to stay healthy. These skills include identifying and accessing valid health information, practicing self-management, identifying internal and external influences, communicating effectively, making healthy decisions, setting goals, and advocating. Students who complete Health build the skills they need to protect, enhance, and promote their own health and the health of others. This course is built to state standards.

## Health Information Management A (Genius) semester 1, 0.50 credit
## Health Information Management B (Genius) semester 2, 0.50 credit

Health Information Management introduces students to the U.S. healthcare system and the basic concepts related to health information management. Students will gain an understanding of information systems in health care; the evolving role of health data in health information systems; and how professionals in this field use data to support the clinical, financial, administrative, and research functions of an organization.  This course offers students insight into career opportunities in health information management and opportunities for advancement and employability skills for a successful career. Students will also learn about the key laws, regulations, and ethical standards that govern professionals in health information, such as the Health Insurance Portability and Accountability Act (HIPAA), the American Health Information Management Association (AHIMA) Code of Ethics, and laws on worker safety.

## Health Science 1 A (Genius) semester 1, 0.50 credit
## Health Science 1 B (Genius) semester 2, 0.50 credit

Health Science 1 is based on Career and Technical Education (CTE) standards to help students develop technical knowledge and skills needed for success in careers in the health science industry. The course will engage students to understand the basic structure and function of the human body, biomolecules such as proteins, carbohydrates, and lipids, and biological and chemical processes. Students will also learn to identify and analyze diseases and medical procedures related to each body system, while developing an understanding of medical terminology.

## Health Science 2 A (Genius) semester 1, 0.50 credit
## Health Science 2 B (Genius) semester 2, 0.50 credit

Health Science 2 is designed to enable students to learn the basics of health science. In the course, students will develop an understanding of the academic qualifications, personal skills, training, and use of healthcare tools required to work in the healthcare industry. The course is based on Career and Technical Education (CTE) standards to help students develop technical knowledge and skills needed for success in the healthcare industry.

## HOPE (Health Opportunities through Physical Education) 1 (Genius)
1 semester, 0.50 credit

This comprehensive health and PE course provides students with essential knowledge and decision-making skills for a healthy lifestyle. Students will analyze aspects of emotional, social, and physical health and how these realms of health influence each other. Students will apply principles of health and wellness to their own lives. In addition, they will study behavior change and set goals to work on throughout the course. Other topics of study include substance abuse, safety and injury prevention, environmental health, and consumer health.

## HOPE (Health Opportunities through Physical Education) 2 (Genius)
1 semester, 0.50 credit

This comprehensive health and PE course provides students with essential knowledge and decision-making skills for a healthy lifestyle. Students will analyze aspects of emotional, social, and physical health and how these realms of health influence each other. Students will apply principles of health and wellness to their own lives. In addition, they will study behavior change and set goals to work on

throughout the course. Other topics of study include substance abuse, safety and injury prevention, environmental health, and consumer health.

## Intro to Coaching (Genius)

1 semester, 0.50 credit

This course focuses on the various responsibilities of a coach and the skills needed to successfully fill this important position. Throughout the course, students will explore various coaching models and leadership styles, sports nutrition and sports psychology, as well as safety, conditioning, and cross-training. Students will learn effective communication, problem-solving, and decision-making skills. The course will also introduce students to game strategy, tactical strategy, skills-based training, and coaching ethics.

## Intro to Group Sports 1 (Genius)

1 semester, 0.50 credit

This course provides students with an overview of group sports. Students learn about a variety of sports, and an in-depth study of soccer of basketball. Students learn not only the history, rules, and guidelines of each sport, but practice specific skills related to each sport. Students also learn about game strategy and the benefits of sports. In addition, students study elements of personal fitness, goal setting, sport safety, and sports nutrition. Students conduct a pre- and post-fitness assessment, as well as participate in regular weekly physical activity.

## Intro to Group Sports 2 (Genius)

1 semester, 0.50 credit

This course provides students with an overview of group sports. Students learn about a variety of sports and do an in-depth study of baseball/softball, and volleyball. Students learn the history, rules, and guidelines of each sport, as well as practice specific skills related to each sport. Students also learn about sportsmanship and teamwork. In addition, students study elements of personal fitness, goal setting, sport safety, and sports nutrition. Students conduct a pre- and post-fitness assessment, as well as participate in regular weekly physical activity.

## Intro to Individual Sports 1 (Genius)

1 semester, 0.50 credit

This course provides students with an overview of individual sports. Students learn about a variety of sports, yet do an in-depth study of running, walking, strength training, yoga, Pilates, dance, water sports, and cross training. Students learn the history, rules, and guidelines of each sport, and practice specific skills related to each sport. Students also learn about the components of fitness, FITT principles, benefits of fitness, safety and technique, and good nutrition. Students conduct fitness assessments and participate in weekly physical activity.

## Intro to Individual Sports 2 (Genius)

1 semester, 0.50 credit

This course provides students with an overview of individual sports. Students learn about a variety of sports, yet do an in-depth study of running, walking, strength training, yoga, Pilates, dance, water sports, and cross training. Students learn the history, rules, and guidelines of each sport, and practice specific skills related to each sport. Students also learn about the components of fitness, FITT principles, benefits of fitness, safety and technique, and good nutrition. Students conduct fitness assessments and participate in weekly physical activity.

## Intro to Nursing 1 (Genius)

2 semesters, 1.0 credit

This two-semester course introduces students to the field of nursing. In the first semester students will learn about the history and evolution of nursing, education and licensure requirements, career path options, and nursing responsibilities. Students will also focus on foundational information such as basic anatomy, physiology, medical terminology, pharmacology, first aid, and disease prevention. In semester two students will examine various nursing theories, as well as focus on the nursing process, including assessment, diagnosis, and treatment options. Students will also learn about professional and legal standards and ethics. Additional skills of communication, teaching, time and stress management, patient safety, crisis management will be included.

## Intro to Nursing 2 (Genius)

2 semesters, 1.0 credit

This two-semester course introduces student s to the field of nursing. In the first semester students will learn about the history and evolution of nursing, education and licensure requirements, career path options, and nursing responsibilities. Students will also focus on foundational information such as basic anatomy, physiology, medical terminology, pharmacology, first aid, and disease prevention. In semester two students will examine various nursing theories, as well as focus on the nursing process, including assessment, diagnosis, and treatment options. Students will also learn about professional and legal standards and ethics. Additional skills of communication, teaching, time and stress management, patient safety, and crisis management will be included.

## Life Skills (Genius)

1 semester, 0.50 credit

This course allows students to explore their personality type and interests, as well as refine important skills that will benefit them throughout their lives, including personal nutrition and fitness skills, time & stress management, communication & healthy relationships, goal setting, study skills, leadership and service, environmental and consumer health, and personal finances. In addition, students will explore possible colleges and careers that match their needs, interests, and talents.

## Lifetime & Leisure Sports (Genius)

1 semester, 0.50 credit

This course provides students with an overview of dual and individual sports. Students learn about a variety of sports and do an in-depth study of martial arts, Pilates, fencing, gymnastics, and water sports. Students learn not only the history, rules, and guidelines of each sport, but practice specific skills related to many of these sports. Students also learn the components of fitness, benefits of fitness, safety and technique, and good nutrition. Students conduct fitness assessments, set goals, and participate in weekly physical activity.

## Medical Coding and Billing A (Genius) semester 1, 0.50 credit
## Medical Coding and Billing B (Genius) semester 2, 0.50 credit

Medical Coding and Billing prepares high school students for a career as a medical coding and billing specialist. The topics covered in this course provide a strong foundation for students planning to take

a certification exam, such as the Certified Professional Coder (CPC) exam or the Certified Coding Associate (CCA) exam.  This course presents an overview of the U.S. healthcare delivery system and explains what medical coders and billers do to keep this system operating efficiently. After a review of the anatomy and physiology of humans, students will then explore medical coding and billing jobs in different settings, including hospitals, physicians' offices, and insurance companies. This course also provides coverage of the ICD-10-CM, CPT®, HCPCS, and ICD10-PCS coding systems and an overview of the medical billing process and healthcare revenue cycle management.

## Medical Terminology (Genius)

1 semester, 0.50 credit

In this course students will be introduced to basic medical language and terminology that they would need to enter a health care field. Emphasis will be placed on definitions, proper usage, spelling, and pronunciation. They will study word structure and parts, including roots, prefixes, and suffixes, as well as symbols and abbreviations. They will examine medical terms from each of the body's main systems, including skeletal, muscular, cardiovascular, respiratory, digestive, urinary, nervous, endocrine, reproductive, and lymphatic systems, and sensory organs. In addition, students will learn proper terminology for common tests, procedures, pharmacology, disease, and conditions.

## Medical Therapeutics A (Genius) semester 1, 0.50 credit
## Medical Therapeutics B (Genius) semester 2, 0.50 credit

Medical Therapeutics focuses on identifying employment and entrepreneurial opportunities in medical therapeutics. Students create a career plan and develop a variety of skills related to communication, teamwork, and leadership. They also learn about laws, ethics, and workplace and equipment safety, as well as electronic health records and the health care delivery system. Students also explore the major body systems and identify common diseases and disorders of each system. Finally, students demonstrate proficiency in the use of medical terminology.  The lesson activities, unit activities, course assignment, and course project help students develop and apply critical thinking skills. The videos included in the lessons keep students engaged. The end-of-semester test at the end of the course helps students reinforce their understanding of key concepts.

## Nutrition and Wellness (Genius)

1 semester, 0.50 credit

Nutrition and Wellness is a one-semester introductory course that covers the basics of nutrition and health. The course introduces students to nutrients, their food sources, their functions, nutrient recommendations, and food labeling. Students will learn about the digestive and metabolic processes

in the human body and discuss factors that affect health, wellness and fitness, and the nutritional needs through the life and for specific conditions. Food management principles, such as safe food handling practices, foodborne pathogens and illnesses, food preparation and presentation techniques, menu planning, and technological advances and marketing trends in the food industry are covered in this course. Finally, students will explore career options in the field of nutrition and wellness and learn about goal setting, planning a career, and workplace skills and ethics.

## Outdoor Sports (Genius)

1 semester, 0.50 credit

This course provides students with an overview of dual and individual sports. Students learn about a variety of sports and do an in- depth study of hiking and orienteering, golf, and dual volleyball. Students learn not only the history, rules, and guidelines of each sport, but practice specific skills related to many of these sports. Students also learn the FITT principles, benefits of fitness, and safety and technique. Students conduct fitness assessments, set goals, and participate in weekly physical activity.

## Personal Health & Fitness (Genius)

1 semester, 0.50 credit

This combined health and PE course provides students with essential knowledge and decision-making skills for a healthy lifestyle. Students will analyze aspects of emotional, social, and physical health and how these realms of health influence each other. Students will apply principles of health and wellness to their own lives. In addition, they will study behavior change and set goals to work on throughout the course. Other topics of study include substance abuse, safety and injury prevention, environmental health, and consumer health.

## Personal Training Career Prep (Genius)

1 semester, 0.50 credit

This course examines the role and responsibilities of a personal trainer. Students will learn the steps to become a personal trainer, including performing fitness assessments, designing safe and effective workouts, and proper nutrition principles. Concepts of communication and motivation will be discussed, as well as exercise modifications and adaptations for special populations. Students will also examine certification requirements, business and marketing procedures, and concerns about liability and ethics. In addition, throughout the course students will be able to explore various exercises, equipment, and tools that can be used for successful personal training.

## Personal Training Concepts (Genius)

1 semester, 0.50 credit

This course examines basic concepts in fitness that are important for personal fitness, as well as necessary foundational information for any health or exercise career field. Areas of study include musculoskeletal anatomy and physiology, terms of movement, basic biomechanics, health related components of fitness, FITT principles, functional fitness skills, safety and injury prevention, posture and technique, nutrition, and weight management.

## Physical Education (Genius)

1 semester, 0.50 credit

This course's three units include Getting Active, Improving Performance, and Lifestyle. Unit activities elevate students' self-awareness of their health and well-being while examining topics such as diet and mental health and exploring websites and other resources. In addition to being effective as a stand-alone course, the components can be easily integrated into other health and wellness courses. Physiology In this course, students will examine the functions of the body's biological systems--including skeletal, muscular, circulatory, respiratory, digestive, nervous, and reproductive systems. In addition to understanding the function of each system, students will learn the function of cells, blood, and sensory organs, as well as study DNA, immunity, and metabolic systems.

## Principles of Health Science A (Genius) semester 1, 0.50 credit
## Principles of Health Science B (Genius) semester 2, 0.50 credit

Principles of Health Science provides knowledge and skills students need for careers in health care. Students explore the services, structure, and professions of the health care system and get guidance on choosing a specific career path in health services, including career paths in emergency medicine, nutrition, and alternative medicine. Students focus on day-to-day skills and expectations for health professionals, which include promoting wellness, maintaining a safe environment, creating medical records, and practicing good communication, collaboration, and leadership. In addition, students will expand their understanding of health and safety systems, how to address emergency situations, and deal with infection control issues. Students will also explore topics in medical science, terminology, procedures, and regulations - including an overview of physiology and medical measurements. Using real-life scenarios and application-driven activities, students learn the responsibilities and challenges of being health care professionals and deepen their knowledge of various career options. In addition to building their understanding of technical concepts and skills, students evaluate the qualifications required for specific careers and develop personal career plans to pursue work in the health care industry and extend their knowledge of oral and written communication in health science. Principles

of Health Science is a full-year Career and Technical Education course for programs of study in health sciences. This course is built to state and national standards.

## Rehabilitation Careers A (Genius) semester 1, 0.50 credit
## Rehabilitation Careers B (Genius) semester 2, 0.50 credit

Rehabilitation Careers focuses on the skills and knowledge needed by professionals in rehabilitation therapy. Students are introduced to various careers in rehabilitation and learn about employment opportunities in this field. They learn about the anatomy and structure of the human body and common medical terminology. They also learn about the musculoskeletal system, cardiovascular system, respiratory system, nervous system, immune system, endocrine system, integumentary system, sensory system, urinary system, and digestive system. The lesson activities, unit activities, course assignment, and course project help students develop and apply critical thinking skills. The videos included in the lessons keep students engaged. The practice test at the end of the course helps students reinforce their understanding of key concepts.

## Running (Genius)
1 semester, 0.50 credit

This course is appropriate for beginning, intermediate, and advanced runners and offers a variety of training schedules for each. In addition to reviewing the fundamental principles of fitness, students learn about goals and motivation, levels of training, running mechanics, safety and injury prevent ion, appropriate attire, running in the elements, good nutrition and hydration, and effective cross-training. While this course focuses mainly on running for fun and fitness, it also briefly explores the realm of competitive racing. Students conduct fitness assessments and participate in weekly physical activity.

## Sports Officiating (Genius)
1 semester, 0.50 credit

In this course, students will learn the rules, game play, and guidelines for a variety of sports, including soccer, baseball, softball, basketball, volleyball, football, and tennis. In addition, they will learn the officiating calls and hand signals for each sport, as well as the role a sport official plays in maintaining fair play.

## Strength Training (Genius)

1 semester, 0.50 credit

This one-semester course by Carone Fitness focuses on the fitness components of muscular strength and endurance. Throughout this course students establish their fitness level, set goals, and design their own resistance training program. They study muscular anatomy and learn specific exercises to strengthen each muscle or muscle group. Students focus on proper posture and technique while training. They also gain an understanding of how to apply the FITT principles and other fundamental exercise principles, such as progression and overload, to strength training.

## Walking Fitness (Genius)

1 semester, 0.50 credit

This course helps students establish a regular walking program for health and fitness. Walking is appropriate for students of all fitness levels and is a great way to maintain a moderately active lifestyle. In addition to re viewing fundamental principles of fitness, students learn about goals and motivation, levels of training, walking mechanics, safety and injury prevention, appropriate attire, walking in the elements, good nutrition and hydration, and effective cross-training. Students take a pre- and post-fitness assessment. Throughout this course students also participate in a weekly fitness program involving walking, as well as elements of resistance training and flexibility.

# *Business Administration and Management*

## Accounting A (Genius) semester 1, 0.50 credit
## Accounting B (Genius) semester 2, 0.50 credit

Accounting empowers high school students with the essential skills they need to understand accounting basics. Topics covered include the fundamentals of bookkeeping, financial statements, accounting based on the type of firm, specialized accounting tasks, and skills, regulations, and ethics for careers in accounting. Engaging and relevant, this course helps students with an accounting career orientation, and students in need of an overview of essential accounting principles.

## Accounting I A (Genius) semester 1, 0.50 credit
## Accounting I B (Genius) semester 2, 0.50 credit

Accounting I examines how to make decisions about planning, organizing, and allocating resources using accounting procedures. Throughout the course, students focus on double-entry accounting; methods and principles of recording business transactions; the preparation of various documents used in recording revenues, expenses, assets, and liabilities; and the preparation of financial statements. This course allows students to explore careers in accounting while learning skills applicable to any professional setting. Students will engage in project-based activities such as analyzing financial statements; implementing the accounts payable and accounts receivable process; and determining payroll expenses and taxes. Active learning ensures that students continually focus on the technical and interpersonal skills necessary to prepare them for workplace. In addition, students will evaluate the roles and qualifications required for specific accounting careers so they can identify opportunities of interest to them.

## Accounting II A (Genius) semester 1, 0.50 credit
## Accounting II B (Genius) semester 2, 0.50 credit

Accounting II builds on the foundation acquired in Accounting I, allowing students to extend their skills and knowledge in the subject. The course focuses on various managerial, financial, and operational accounting activities that require the formulation, interpretation, and communication of financial information for use in management decision making. Students will use equations, graphical representations, accounting tools, spreadsheet software, and accounting systems in real-world situations to maintain, monitor, control, and plan the use of financial resources. This course allows students to explore careers in accounting while learning financial skills applicable to any professional setting. Students engage in project-based activities such as analyzing financial statements, implementing the accounts payable and accounts receivable process, and determining payroll expenses and taxes. Active learning ensures that students continually focus on the technical and interpersonal skills necessary to prepare them for workplace. In addition, students evaluate the roles and qualifications required for specific accounting careers, so they can identify opportunities that interest them.

## Business Applications (Genius)
1 semester, 0.50 credit

Business Applications prepares students to succeed in the workplace. Students begin by establishing an awareness of the roles essential to an organization's success, and then work to develop an understanding of professional communications and leadership skills. In doing so, students gain

proficiency with word processing, email, and presentation management software. This course allows students to explore careers in business while learning skills applicable to any professional setting. Through a series of hands-on activities, students will create, analyze, and critique reports, letters, project plans, presentations, and other professional communications. Regular engagement in active learning ensures students can continually refine the skills necessary to prepare them for work. In addition, students will evaluate the qualifications required for specific careers so they can identify opportunities that are of interest to them. Business Applications is an introductory level Career and Technical Education course applicable to programs of study in business, management, and administration; information technology; and other career clusters. This course is built to state and national standards. Students who successfully complete the course can go on to obtain the Microsoft® Office Specialist: Microsoft® Office Word certification.* *Microsoft is a registered trademark of Microsoft Corporation in the United States and/or other countries. This course was originally created for Apex Courses.

## Business Information Management A (Genius) semester 1, 0.50 credit
## Business Information Management B (Genius) semester 2, 0.50 credit

Business Information Management is designed to enable students to develop information management skills that they can use during their careers in business organizations. This course covers career opportunities available in business information management, computing technology for business, and connecting through the internet. Additionally, students will learn to work with documents, spreadsheets, presentation programs, and databases, how to design web pages, and project management skills. The course is based on Career Technical Education (CTE) standards designed to help students develop technical knowledge and skills needed for success in the business information management industry.

## Entrepreneurship A (Genius) semester 1, 0.50 credit
## Entrepreneurship B (Genius) semester 2, 0.50 credit

Entrepreneurship is a course that is based on Career Technical Education (CTE) standards designed to help students understand the roles and attributes of an entrepreneur, marketing and its components, selling process, and operations management. In this course, students will explore entrepreneurship and the economy, marketing fundamentals, managing customers, production and operations management, money, and business law and taxation.

## Human Resources Principles A (Genius) semester 1, 0.50 credit
## Human Resources Principles B (Genius) semester 2, 0.50 credit

Human Resources Principles examines the main functions of human resources management, including planning, recruitment, selection, training, development, compensation, and evaluation. In so doing, the course provides students with the tools to hire, manage, and fire employees. Students will also explore the unique role of human resources in the larger organization. This course allows students to explore careers in business while learning skills applicable to any professional setting. Through a series of hands-on activities, students will create a recruiting plan, develop a strategy to promote a positive organizational culture, and analyze the impact of globalization on human resources. Regular engagement in active learning ensures students can continually refine the skills necessary to prepare them for work. In addition, students will evaluate the qualifications required for specific careers so they can identify opportunities of interest to them. Human Resources Principles is a full-year intermediate or capstone Career and Technical Education course applicable to programs of study in the Business, Management and Administration career cluster. This course is built to state and national standards. Students who successfully complete the course will be prepared to pursue certifications such as Associate Professional in Human Resources, Certified Administrative Manager, or Certified Associate in Project Management (CAPM)®.

## International Business (Genius)
1 semester, 0.50 credit

International Business is a one-semester course that covers the fundamentals of international business, international business transactions, and how a business can go global. In this course, students will learn about international business and how globalization has impacted it. They will learn about global trade and investment policies, and politics and laws that impact international business. Students will also learn about the International Monetary Fund, foreign exchange and global capital markets, key world economies, and economic cooperation across countries. The course also covers strategies to enter the international market along with factors like strategic planning, marketing, global sourcing, and logistics, human resource management, and employability skills. Students also learn about the cultural elements involved in conducting international business.

## Introduction to Business and Technology A (Genius) semester 1, 0.50 credit
## Introduction to Business and Technology B (Genius) semester 2, 0.50 credit

Introduction to Business and Technology provides the foundational knowledge and skills students need for careers in business and technology. Throughout the course, students gain a knowledge of business principles and communication skills, an understanding of the impact of financial and

marketing decisions, and proficiency in the technologies required by business. Students will also learn the essentials of working in a business environment, managing a business, and owning a business. This course allows students to explore careers in business and information technology while learning skills applicable to any professional setting. Through a variety of hands-on activities, students will engage with word processing, presentation, and spreadsheet software and explore operating systems, networking, and the Internet. Regular engagement in active learning ensures students can continually refine the skills necessary to prepare them for work. In addition, students will evaluate the qualifications required for specific careers so they can identify opportunities of interest to them. Introduction to Business and Technology is a full-year introductory Career and Technical Education course applicable to programs of study in the Business, Management and Administration and Information Technology career clusters, as well as other career clusters. This course is built to state and national standards. Students who successfully complete the course will be prepared to pursue certifications such as Microsoft® Office Specialist certifications in Microsoft Word, Microsoft Excel and Microsoft Access, as well as IC3 certification.

## Introduction to Finance (Genius)

1 semester, 0.50 credit

Introduction to Finance is designed to enable students at the high school level to develop financial skills that they can use during their careers in business organizations. Financial literacy is an essential capability for students as they prepare for the workforce, and this course provides the information they need to determine if a career in finance is right for them. The course introduces learners to a variety of topics, including investment strategies, money management, asset valuation, and personal finance. The course is based on Career Technical Education (CTE) standards designed to help students develop technical knowledge and skills needed for success in the finance industry.

## Legal Environment of Business A (Genius) semester 1, 0.50 credit
## Legal Environment of Business B (Genius) semester 2, 0.50 credit

Legal Environment of Business examines the role of the law on all aspects of business ownership and management. Throughout the course, students focus on legal ethics, court procedures, torts, contracts, consumer law, property law, employment law, environmental law, and international law. Students also explore the impact of laws, regulations, and judicial decisions on society at large. This course allows students to explore careers in business while learning skills applicable to any professional setting. Through a series of hands-on activities, students will prepare legal documents, create a compliance plan, and research consumer protection issues. Regular engagement in active learning ensures students can continually refine the skills necessary to prepare them for work. In addition, students will evaluate the qualifications required for specific careers so they can identify opportunities of interest to them. Legal Environment of Business is a full-year intermediate or

capstone Career and Technical Education course applicable to programs of study in the Business, Management and Administration career cluster. This course is built to state and national standards. Students who successfully complete the course will be prepared to pursue certifications such as Accredited Legal Professional, Certified Administrative Manager, or Certified Associate in Project Management®.

## Management Fundamentals A (Genius) semester 1, 0.50 credit
## Management Fundamentals B (Genius) semester 2, 0.50 credit

Management Fundamentals explores the main functions of managing activities and personal in a business environment. Students will gain awareness about the nature of Human Resources, training and development, as well as the legalities of business and the nature and sources of law affecting managerial administration. With a greater understanding of contracts, government relations, and the ability to mechanize ethically the relationships between employees, consumers, and business interests, students enter the world of business administration prepared for the challenges of maintaining a worthwhile and positive organization. This full year course is also applicable to the Business Management and Administration program of study in Indiana in alignment with Perkins V and NLPS requirements and is built to state standards. Students may take this course to satisfy the Concentrator A option in the aforementioned pathway.

## Marketing, Advertising, and Sales (Genius)
1 semester, 0.50 credit

Issues in marketing, advertising, and sales promotion are evolving rapidly in an increasingly digital environment. The Marketing, Advertising, and Sales course effectively helps your students prepare for a career in that environment through a comprehensive look at essential marketing principles, interactive tools and channels, and the growing impact of data in marketing and advertising. This course provides an overview of all the fundamental topics necessary to effectively put your students on a career path that unleashes their creativity and develops and leverages their critical thinking skills.

## Principles of Business Management A (Genius) semester 1, 0.50 credit
## Principles of Business Management B (Genius) semester 2, 0.50 credit

Principles of Business Management prepares students for the responsibilities of starting and managing a business in today's economic climate. Students will interact with the mechanisms of management systems from the perspective of business leadership, with emphasis on honing their technical toolset to operate effectively in a changing landscape, develop a functional awareness of the economic relationship between finance and marketing, and attain an understanding of what it takes to both start and ethically run an enterprise with organizational goals in mind.

## Principles of Business, Marketing, and Finance A (Genius) semester 1, 0.50 credit

## Principles of Business, Marketing, and Finance B (Genius) semester 2, 0.50 credit

Principles of Business, Marketing, and Finance provides the knowledge and skills students need for careers in business and marketing. Students begin exploring roles and functions that business and marketing play in a global society, develop an understanding of the marketplace, as well as understanding product placement and promotion. Students analyze the impact of government, legal systems, and organized labor on business; develop an understanding of business communications and management; and explore legal, ethical, and financial issues in business and marketing. Furthermore, students delve into basic economic concepts including personal finance, economic systems, cost-profit relationships, and economic indicators and trends. Using hands-on activities, students reinforce, apply and transfer academic knowledge and skills to a variety of interesting and relevant real-world inspired scenarios. This course focuses on developing knowledge and skills around marketing, pricing, distribution and management, while also focusing on economics and interpersonal skills. This course also addresses exploring career options in business and marketing as well as securing and keeping a job. Principles of Business, Marketing, and Finance is a full-year Career and Technical course for programs of study in Business Administration and Management. This course is built to state and national standards. This course was originally created for Apex Courses.

## Sports and Entertainment Marketing (Genius)

1 semester, 0.50 credit

Sports Entertainment and Marketing is a one-semester course intended to help students gain an insight into the field of sports, entertainment, and recreation marketing. This course covers fundamental concepts in sports, entertainment, and recreation marketing. It also covers essential skills related to advertising, sponsorship, and marketing campaigns. In addition, the course covers crucial workplace skills, such as teamwork and leadership skills.

# *Career and Technical Education*

## Academic Success (Genius)

1 semester, 0.50 credit

As in other areas of life, success in academics results from learning and practicing positive habits. This one semester elective provides practical, hands-on guidance on developing and improving study habits and skills, regardless of a student's level of accomplishment. Academic Success includes five lessons and two course activities in a flexible structure that is adaptable to the needs and circumstances of individual students. The course can also be used for college-level developmental education.

## Career Explorations (Genius)

1 semester, 0.50 credit

Career Explorations is intended as a practical, hands-on guide to enable students to explore career opportunities in different career clusters and pathways. In addition to exploring career options, students will develop an academic and career plan, learn essential skills for success in college and a variety of careers, and prepare to enter the job market. Career Explorations also helps students build confidence as they prepare to embark on their chosen careers.

## Child Development and Parenting A (Genius) semester 1, 0.50 credit
## Child Development and Parenting B (Genius) semester 2, 0.50 credit

Child Development and Parenting is designed to familiarize students with the various stages of child development as well as the factors that may prevent the healthy development of a child. This course explores the development, health, nutrition, and safety of children at various stages. In addition, the course covers career opportunities in the field of childcare and development.

## College and Career Preparation I (Genius)

1 semester, 0.50 credit

High school students have many questions about the college application process, what it takes to be a successful college student, and how to begin thinking about their careers. In College and Career Preparation I, students obtain a deeper understanding of what it means to be ready for college. Students are informed about the importance of high school performance in college admissions and how to prepare for college testing. They know the types of schools and degrees they may choose to

pursue after high school and gain wide exposure to the financial resources available that make college attainable. Career readiness is also a focus. Students connect the link between interests, college majors, and future careers by analyzing career clusters. Students come away from this course understanding how smart preparation and skill development in high school can lead into expansive career opportunities after they have completed their education and are ready for the working world. Students who complete College and Career Preparation I have the basic skills and foundation of knowledge to progress into College and Career Preparation II, the capstone course that provides hands-on information about the transition from high school to college and career. This course is built to the American School Counselors Association National Standards for school counseling programs.

## College and Career Preparation II (Genius)

1 semester, 0.50 credit

High school students have many questions about the college application process, what it takes to be a successful college student, and how to begin thinking about their careers. College and Career Preparation II builds on the lessons and skills in College and Career Preparation I. The course provides a step-by-step guide to choosing a college. It walks students through the process of filling out an application, including opportunities to practice, and takes an in-depth look at the various college-admission tests and assessments, as well financial aid options. College and Career Preparation II also instructs students in interviewing techniques and provides career guidance. Students explore valuable opportunities such as job shadowing and internships when preparing for a career. Students who complete this course obtain a deeper understanding of college and career readiness through informative, interactive critical thinking and analysis activities while sharpening their time management, organization, and learning skills that they learned in College and Career Preparation I. College and Career Preparation II prepares students with the knowledge and skills to be successful in college and beyond. This course is built to the American School Counselors Association National Standards for school counseling programs.

## Culinary Arts A (Genius) semester 1, 0.50 credit
## Culinary Arts B (Genius) semester 2, 0.50 credit

Culinary Arts is intended to help students gain an understanding of the history and development of the culinary arts as well as practical skills for careers in the culinary industry. This course covers the basics of nutrition, health, safety, and sanitation and the basic science principles used in cooking. Students will be exposed to the culinary skills required to make a variety of food items. Additionally, students will become familiar with menu planning, food presentation, different service styles, and kitchen management skills. This course is based on Career and Technical Education (CTE) standards designed to help students prepare for entry into a wide range of careers in the culinary industry.

## Drafting and Design A (Genius) semester 1, 0.50 credit
## Drafting and Design B (Genius) semester 2, 0.50 credit

Drafting and Design gives students a comprehensive look at the fundamental concepts of drafting and design. In this course, students will explore types of drafting tools, drafting conventions, sketching and drawing techniques, types of views and projections, computer-aided design and drafting (CADD) operations, and the development of a prototype. This course features skill-embedded content that connects student learning to real-life experiences. Additionally, students will develop key professional and personal skills that are helpful in having a successful career in the field of drafting and design.

## Electronic Communication Skills (Genius)
1 semester, 0.50 credit

Electronic Communication Skills is a one-semester course that is based on Career and Technical Education (CTE) standards to help students prepare for entry into a wide range of careers and/or into postsecondary education. The course is designed to enable students at the high school level to develop electronic communication skills that they can use in their careers. Students will learn computer basics, keyboarding techniques, working with documents and presentations, and safe use of the internet.

## Essential Career Skills (Genius)
1 semester, 0.50 credit

Essential Career Skills is a one-semester course that teaches the skills required to achieve success in modern-day careers. Students will learn about personal qualities and people skills that are important in the workplace, such as work ethic, integrity, teamwork, and conflict resolution. Additionally, students will practice skills in communication, math, problem-solving, and critical thinking. The course then covers the structures and functions of business organizations, time, task, and resource management skills, and workplace safety laws and standards. Students will then explore career goals and job opportunities and become familiar with various technologies used to perform job-specific tasks in an organization.

## Food Handler and Food Manager Certifications (Genius)
1 semester, 0.50 credit

The Food Handler and Food Manager Certifications course helps students learn what they need to know to be successful in the National Restaurant Association (NRA) ServSafe® Food Handler and

Manager Certification exam. The five units of the course arm students with the knowledge and skills to provide safe food to customers as a food handler or a food manager. Key topics include the principles of food safety, hygiene practices, time and temperature control, food procedures from initial purchasing to final serving, procedures for cleaning and sanitizing, and food service inspection protocols.

## Foundations of Green Energy A (Genius) semester 1, 0.50 credit
## Foundations of Green Energy B (Genius) semester 2, 0.50 credit

This is a two-semester course for high school students who want to understand the rapidly growing and evolving energy field, with special emphasis on electrical energy and on new and emerging energy technologies. The course is designed to address state standards in the Energy and STEM domains as well as the Energy Industry Fundamentals Certificate Program (EIFCP) standards developed by the Center for Energy Workforce Development (CEWD). Unit topics include the energy industry; energy science and efficiency; electrical generation, transmission, and distribution; conventional, alternative, and emerging energy sources; health, safety, and security issues; and energy careers and pathways, from entry level to professional.

## Introduction to Criminology (Genius)
1 semester, 0.50 credit

Introduction to Criminology is a one-semester course that is designed to enable students to understand basic concepts related to criminology. The target audience for this course is high school students. This course allows students to analyze and compare various theories related to criminology. Additionally, students will explore topics such as punishing offenders, deterring criminal behavior, and eliminating injustice with peace.

## Introduction to Fashion Design (Genius)
1 semester, 0.50 credit

Introduction to Fashion Design focuses on the practical aspects of career preparation in the fashion design industry. The lessons in the course provide students with both breadth and depth, as they explore the full gamut of relevant topics in fashion design. This course provides students insight on the history of fashion and its place in the modern world and helps students understand terms and concepts related to fashion. Students explore fashion forecasting, predicting consumer demand, pricing, and other activities involved in the fashion process from the inspiration for a garment to creating sketches until the final product takes shape.

## Introduction to Military Careers (Genius)

1 semester, 0.50 credit

Introduction to Military Careers is a one-semester course that introduces the US military and describes each of its branches, which include the National Guard, Army, Navy, Marine Corps, Coast Guard, and Air Force. Students will learn about the relationship of the military reserve to the branches of the military. The course covers noncombat careers in the military, such as military intelligence, information technology, health care, legal services, logistics, aviation, and transportation, and other specialized careers. This course also covers enlistment and fitness requirements for military careers and personal traits that are essential for success in the military. The lessons in the course provide students with both breadth and depth, as they learn about the US Military. Online discussions and course activities require students to develop and apply critical thinking skills while appealing to a variety of learning styles and keep students engaged.

## Principles of Agriculture, Food, and Natural Resources A (Genius)

semester 1, 0.50 credit

## Principles of Agriculture, Food, and Natural Resources B (Genius)

semester 2, 0.50 credit

In the Principles of Agriculture, Food, and Natural Resources course, students will learn about various career options in the agriculture, food, and natural resources industries. They will learn about technology, safety, and regulatory issues in agricultural science. They will also learn about topics related to agriculture, such as international agriculture and world trade, sustainability, environmental management, research, development, and future trends in the industry. The course helps students understand how the rising demand for sustainable food sources can be met while also meeting the challenge of producing higher yields to feed a growing world.

## Principles of Architecture and Construction A (Genius)

semester 1, 0.50 credit

## Principles of Architecture and Construction B (Genius)

semester 2, 0.50 credit

In the Principles of Architecture and Construction course, students will learn about various career options in the field. The course covers foundational concepts of architecture and construction such as architectural drawings, structure and loads, materials, and equipment used in architecture and construction. Students then learn the key concepts of urban design and its relationship with city

government and about construction documents and standards. The course also covers workplace skills and ethics and basic computing skills.

## Principles of Education and Training A (Genius) semester 1, 0.50 credit
## Principles of Education and Training B (Genius) semester 2, 0.50 credit

Principles of Education and Training is designed to enable students at the high school level to learn the basics of education and training. Students will learn about various trends and factors that influence the education industry. This course introduces various career opportunities in the field of education. The course topics include personal and professional skills needed in various education careers, child growth and development, child health, delivering instruction, and technology in education. The course is based on Career Technical Education (CTE) standards designed to help students develop technical knowledge and skills needed for success in the education industry.

## Principles of Engineering and Technology A (Genius) semester 1, 0.50 credit
## Principles of Engineering and Technology B (Genius) semester 2, 0.50 credit

The Principles of Engineering and Technology course provides students with essential STEM knowledge and an effective overview of STEM careers. Students will become familiar with engineering systems and technologies, the process of engineering design, and manufacturing technologies and processes. Additionally, the course covers communication skills and team and resource management.

## Principles of Government and Public Administration A (Genius) semester 1, 0.50 credit
## Principles of Government and Public Administration B (Genius) semester 2, 0.50 credit

Principles of Government and Public Administration is designed to enable students at the high school level to explore career opportunities in the field of government and public administration and the career-related skills they need to possess as professionals in this field. Students will learn about the history and development of the US Constitution, the functions of government and public administration in the United States and working conditions necessary for safety in the field of government and public administration. This course covers topics such as: the influence of geography and technology, and networking and communication as they relate to government and public administration. The course is based on Career and Technical Education (CTE) standards designed to

help students prepare for entry into a wide range of careers in government and public administration industry.

## Principles of Hospitality and Tourism A (Genius) semester 1, 0.50 credit
## Principles of Hospitality and Tourism B (Genius) semester 2, 0.50 credit

The hospitality and tourism industry offers a dynamic career path that will pique the interest of many of your students. This course emphasizes learning the practical aspects of the industry and promotes the development of critical-thinking skills required in real-world situations. The 14-lesson course will introduce your students to the basics of hospitality and tourism and will help them evaluate their skills and prepare for a career in this growing and exciting industry.

## Principles of Human Services A (Genius) semester 1, 0.50 credit
## Principles of Human Services B (Genius) semester 2, 0.50 credit

The Principles of Human Services course is designed to enable students at the high school level to develop the critical skills and knowledge necessary in the human services industry in careers such as childcare, family services, and personal care services. Students will learn about various personal characteristics that they need to demonstrate in the workplace, such as integrity, and positive work ethics. This course covers topics such as employability skills, counseling and mental health services, and consumer services. The course is based on Career Technical Education (CTE) standards designed to help students prepare for entry into a wide range of careers in the human services field.

## Principles of Law, Public Safety, Corrections, and Security A (Genius) semester 1, 0.50 credit
## Principles of Law, Public Safety, Corrections, and Security B (Genius) semester 2, 0.50 credit

The Principles of Law, Public Safety, Corrections, and Security course is intended as a practical, hands-on guide to help students understand the functioning of law enforcement agencies, courts, the correctional system, and security and emergency agencies. This course covers the history and development of criminal law in the United States, court procedures, the role of law enforcement agencies and private security in public safety, and the role of fire fighters and emergency responders. It also covers the ethical and legal responsibilities and working conditions in law enforcement and security. Through this course, students will understand the personal, professional, and technological skills required by professionals working in the fields of law, public safety, corrections, and security.

## Principles of Manufacturing A (Genius) semester 1, 0.50 credit
## Principles of Manufacturing B (Genius) semester 2, 0.50 credit

Principles of Manufacturing is a course designed to help your students understand various manufacturing processes, concepts, and systems, and to introduce them to the various career paths available to them in manufacturing. This course emphasizes STEM principles while also covering practical aspects of manufacturing such as marketing and regulatory issues, as well as issues related to launching and managing a manufacturing business.

## Principles of Transportation, Distribution, and Logistics A (Genius)
semester 1, 0.50 credit
## Principles of Transportation, Distribution, and Logistics B (Genius)
semester 2, 0.50 credit

Principles of Transportation, Distribution, and Logistics will introduce your students to an industry that delivers what people want, when and how they want it. The TDL industry is essential to creating global economic growth through increasingly more efficient delivery of goods and services. This course will help to develop both the quantitative and qualitative skills and knowledge required for students to prepare themselves for a successful TDL career. The course also addresses the relevant logistical and geopolitical issues that impact global trade.

## Professional Communications (Genius)
1 semester, 0.50 credit
This course fulfills Clonlara's speech requirement.

The Professional Communications course is designed to enable all students at the high school level to develop communication skills they will need to be successful in a profession. Students learn about the key aspects of the communication process. They learn to apply communication protocol and appropriate language skills in professional and social communication. Students also explore effective strategies to address diversity in communication. Finally, students familiarize themselves with reading, writing, speaking, and listening skills. This course covers topics such as communication in business organizations and technology for communication. The course is based on Career Technical Education (CTE) standards designed to help students prepare for communication in a wide range of professions.

## Rehabilitation Careers A (Genius) semester 1, 0.50 credit
## Rehabilitation Careers B (Genius) semester 2, 0.50 credit

Rehabilitation Careers focuses on the skills and knowledge needed by professionals in rehabilitation therapy. Students are introduced to various careers in rehabilitation and learn about employment opportunities in this field. They learn about the anatomy and structure of the human body and common medical terminology. They also learn about the musculoskeletal system, cardiovascular system, respiratory system, nervous system, immune system, endocrine system, integumentary system, sensory system, urinary system, and digestive system. The lesson activities, unit activities, course assignment, and course project help students develop and apply critical thinking skills. The videos included in the lessons keep students engaged. The practice test at the end of the course helps students reinforce their understanding of key concepts.




# online courses

**CLONLARA SCHOOL**
1289 Jewett, Ann Arbor, MI 48104
734-769-4511 | info@clonlara.org | clonlara.org