

ELITE ACADEMIC ACADEMY

YEAR ROUND TRACK
ELITE COURSES 2020



INTRODUCTION TO SAILING

INTRODUCTION TO SURFING

INTRODUCTION TO PERFORMANCE NUTRITION

PHYSICAL EDUCATION

INTRODUCTION TO PROFESSIONAL THEATRE

ACTING TECHNIQUES

STRONG MIND VIRTUAL

MIDDLE SCHOOL COURSE WORK

MIDDLE SCHOOL OFFLINE COURSE WORK



Make the most of your education by learning how to surf, sail, perfect your acting techniques, learn about theatre, prevent summer learning loss, accelerate your core academics, change your athletic performance with physical education or performance nutrition all while earning high school credits/middle school grades! Our immersive, six-week courses teach the fundamentals and incorporate hands-on instruction, bringing virtual learning to reality. Students complete daily assignments online or in their workbooks, providing flexibility for busy schedules with the support of our Highly Qualified Elite Educators. Enroll now to secure your spot.

Check Out our Community Partnerships at EliteAcademic.com under the “Year-Round Programs”!

*Community Partner programs are offered various times and weeks throughout the Year-Round Track!

**On-line courses will require your child to have access to a computer and wifi connection. Due to COVID-19 and technology delays, Elite Academic Academy cannot provide technology this first learning period (smartphones and iPads are not recommended for accessing curriculum online).

INTRODUCTION TO SAILING

[Career Technical Education] Grades 9-12 : Online & Offline

1 Semester

Grades 9-12 can earn 5 elective credits

A-G Approved Course

Sailing is a fantastic topic for youth as it teaches natural awareness and roots itself in science; not to mention its fun! Introduction to Sailing is designed to immerse novice sailors in the principles and mechanics of sailing. While taking the course, students can participate in sailing lessons at LifeSail (LifeSail.org) in Marina Del Rey. Learn sailing terminology, related physics topics, weather prediction as well as the history and cultural contributions surrounding sailing.

INTRODUCTION TO SURFING

[Career Technical Education] Grades 6-12 : Online & Offline

1 Semester

Grades 9-12 can earn 5 elective credits

A-G Approved Course

Surf is up, and we are getting down to the details; from surfboard construction to the current condition of the oceans, learning how to surf is more than paddling! Introduction to Surfing provides a rounded understanding of surfing and hits on key topics such as wave forecasting and surf terminology. The history of surfing and the progression of surfboard design becomes very real when students shape their own micro-surfboard!



INTRODUCTION TO PERFORMANCE NUTRITION

[Career Technical Education] Grades 6-12 : Online & Offline

1 Semester

Grades 9-12 can earn 5 elective credits

A-G Approved Course

Students in this introductory course will learn the basics of Optimal nutrition and the critical elements/components needed to improve overall health and take a look into nutrition and athletic performance. Students will understand Food Science/dietician and how to customize nutrition based on body composition, athletic goals, and overall health and well-being.

Students who take this course are also able to attend one of our Community Partners for a hands-on sports/athletic training experience.

PHYSICAL EDUCATION

Grades 6-12 : Online & Offline

1 Semester

Grades 9-12 can earn 5 Physical Education credits

The Physical Education course is designed to not only serve student-athletes for Physical Education credits but to serve all students with the fundamentals of mind over matter. This course is designed for students to read and adopt the late Kobe Bryant's philosophy of hard work and self-reflection, along with students meeting the required logging of physical education requirements.

Students who take this course are also able to attend one of our Community Partners for a hands-on sports/athletic training experience.



INTRODUCTION TO PROFESSIONAL THEATRE

[Career Technical Education] Grades 9-12 : Online & Offline

1 Semester

Grades 9-12 can earn 5 elective credits

This High School CTE course has been designed to offer students the tools they need to enter the industry of theatre and other acting performance mediums with proficiency. Instructional videos, virtual group projects, journal entries, virtual resources, work logs, and in course assignments will guide students on a path that can potentially and eventually lead to a long-lasting acting career. The objective of this course is to instruct students on what is acceptable in the workforce, and how to navigate a professional acting career in theatre, musical theatre, film, television, and commercials.

Students who take this course are also able to attend one of our Community Partners for a hands-on Visual & Performing Arts experience.

ACTING TECHNIQUES

Grades 9-12 : Offline

1 Semester

Grades 9-12 can earn 5 elective credits

This High School course has been designed to offer the theatre student a well-rounded education and background in the most influential theatre techniques studied by the serious actor. In this course, students will review a series of training videos that will inform them of various acting teachers, techniques, and theatrical practices. Students will study Theatre gurus: Constantin Stanislavski, Lee Strasberg, Stella Adler, Uta Hagen, and Sanford Meisner. Students will also receive a thorough understanding of the history of theatre. This history will include Greek Drama, Liturgical Drama, Mystery Plays, Processional Plays, Noh Theatre, Roman Revivals, Commedia Dell'arte, London's Theatres, Marlowe, William Shakespeare, Moliere, Kabuki from the 17th Century, and various forms of theatre into the early 1800s. Students will be asked to complete assignments based upon the instructional videos viewed during course time, as well as keep a log of their course time and in-class activities.

*This course should be taken concurrently with a Community Partner/internship and is suggested to take concurrently with the Introduction to Performance Theatre CTE Course. Students who take this course are also able to attend one of our Community Partners for a hands-on Visual & Performing Arts experience.



STRONG MIND VIRTUAL

(* indicator = A-G approved 5 credit High School Course)

HIGH SCHOOL LANGUAGE ARTS

English 9A* : Online

1 Semester, 5cr

This semester covers reading, writing, and analysis using both informational and literary texts. Students read the early fantasy novel *The Princess and the Goblin* by George MacDonald, among other texts. These reading selections demonstrate concepts such as textual evidence, themes, central ideas, inferences, word choice, and figurative and connotative language. Students also compare portrayals of both literary and informational content in different mediums and learn about grammar, usage, figures of speech, and reference materials. In addition, students write a personal narrative (memoir) and a literary analysis.

English 9B* : Online

1 Semester, 5cr

This semester covers reading, writing, and analysis using both informational and literary texts. Students read the dystopian novella *Anthem* by Ayn Rand, among other texts. These reading selections demonstrate concepts such as textual evidence, themes, central ideas, characters, inferences, rhetorical techniques, structure and style, and arguments and claims. In addition, students compare works from different time periods and learn about grammar, usage, punctuation, spelling, style manuals, phrases, and clauses. Students also write an informational essay and an argument essay.

English 10A* : Online

1 Semester, 5cr

This semester covers reading, writing, and analysis of informational texts, argument texts, and videos. These reading selections demonstrate concepts such as explicit and inferred meaning; textual evidence; central ideas; arguments and claims; organizational structures; figurative, connotative, technical, and rhetorical language; and the effect of word choice on tone. Students also learn about reference sources, spelling, grammar, usage, punctuation, domain-specific vocabulary, context clues, and affixes. In addition, students write an informational essay and an argument essay.

English 10B* : Online

1 Semester, 5cr

This semester covers reading, writing, and analysis of literary texts from around the world and across history. Students read the Greek tragedy *Antigone* by Sophocles, among other texts. These reading selections demonstrate concepts such as textual evidence, themes, inferences, characterization, figurative language, figures of speech, and literary devices. Students also learn more about context clues, word nuances, affixes, phrases, clauses, and parallel construction. In addition, students write a literary analysis essay and a personal narrative essay.



English 1 1A* : Online

1 Semester, 5cr

This semester covers reading, writing, and analysis using both informational and argument texts. Students read seminal US texts such as “What to the Slave Is the Fourth of July?” by Frederick Douglass, as well as presidential speeches, court documents, and scientific articles. These reading selections demonstrate concepts such as textual evidence, central ideas, inferences, word choice, and figurative language. Students also learn about context clues, spelling, hyphens, contested usage, figures of speech, and reference materials. In addition, students write a researched informational essay and a researched argument essay.

English 1 1B* : Online

1 Semester, 5cr

This semester covers reading, writing, and analysis using both informational and literary texts. Students read *The Crucible* by Arthur Miller, among other texts. These reading selections demonstrate concepts such as the literary elements of plot, setting, and character; themes; central ideas; and characteristics of poetry and drama. Students also compare works from different time periods; review context and word nuances; and learn about punctuation, style manuals, phrases, clauses, and parallel structure. In addition, students write a fictional narrative and a literary analysis.

English 1 2A* : Online

1 Semester, 5cr

This semester covers reading, writing, and analysis using both informational and argument texts. Students read seminal US texts such as the Declaration of Independence, presidential speeches, court documents, and articles related to innovative technology. These reading selections demonstrate concepts such as rhetoric, figurative language, theme, purpose, specialized vocabulary, text structure, word nuances, inferences, research, evidence, and reference sources. In addition, students learn about context clues, word patterns as clues to meaning, contested usage, and syntax errors. Students also write researched informational and argument essays.

English 1 2B* : Online

1 Semester, 5cr

This semester covers in-depth literary analysis using narrative texts from British literature— from the Middle Ages through modern times. The course builds in complexity, covering topics such as explicit and implicit meanings, figurative language, literary devices, central ideas, themes, and narrative and structural elements. Students write a fictional narrative in the style of Gothic Romanticism and a literary analysis comparing or contrasting two texts from different eras of British literature. These short and extended forms of writing emphasize the writing process, from note-taking and outline-making to revising and editing for content and style.



HIGH SCHOOL MATHEMATICS

Algebra 1A* : Online

1 Semester

Students apply properties to simplify expressions with exponents and radicals, and they explore the relationships between rational and irrational numbers. Then students solve linear equations and inequalities and use their knowledge of linear equations and inequalities to solve and graph systems of linear equations and inequalities. Next, students apply operations on polynomials and explore factoring quadratic expressions. Finally, students solve quadratic equations by using different methods, including technology, and they work with systems that contain quadratic equations.

Algebra 1B* : Online

1 Semester, 5cr

Students focus mainly on learning and analyzing functions. They study with different types of functions presented as equations, graphs, tables, and verbal descriptions, and they identify their key features and apply them to real-world problems. Students also use key features to compare different types of functions to each other. Then they explore transformations of functions. The course concludes with a study of statistics, where students learn about interpreting and analyzing data sets, as well as causation and correlation.

Geometry A* : Online

1 Semester, 5 cr

Students build upon their understanding of geometric concepts by working through a variety of geometric problems, writing formal proofs, and constructing geometric figures. Transformations are used to explain the concepts of congruent and similar figures with a focus on the properties of congruent and similar triangles. These properties are proved as students become familiar with postulates, theorems, and formal proofs. The course wraps up with trigonometric ratios and their applications to real-world situations.

Geometry B* : Online

1 Semester, 5cr

Students build upon their understanding of geometric concepts by working through a variety of geometric problems, writing formal proofs, and constructing geometric figures. They learn about slopes, midpoints, and the distance formula, with a focus on their applications in coordinate proofs. Next, students work with theorems about circles, as well as concepts related to circles. Finally, the course wraps up with two- and three-dimensional figures and probability.

Algebra 2A* : Online

1 Semester, 5cr

Students learn about and perform operations with complex numbers. They solve quadratic equations with complex solutions, and work with polynomials. They perform operations on polynomials, use polynomial identities to solve problems, analyze polynomial functions using different representations, and solve polynomial equations graphically. Finally, they work with rational functions. They perform arithmetic operations on rational functions and graph them.



Algebra 2B* : Online

1 Semester, 5 cr

Students begin with solving rational equations. Then they work with radical equations. They learn how to rewrite expressions involving radicals and how to graph and solve radical equations. Next, students move on to concepts of trigonometry. They learn about trigonometric ratios and use the unit circle to understand them. They graph sine, cosine, and tangent functions and explore their key features. Finally, students prove and apply trigonometric identities.

HIGH SCHOOL SCIENCE

Biology A* : Online

1 Semester, 5 cr

This semester covers the basics of biochemistry and how it relates to life. Biology helps students understand the life all around them—as well as how they affect certain systems on Earth. It also helps students understand themselves on a biological level. In this course, students use logical thinking to identify relationships and draw conclusions. The course expands out from the building blocks of biochemistry to individual cells, and cell membranes. From there, the topic shifts to cell division and reproduction. Finally, the course describes cell energy and metabolism, and photosynthesis.

Biology B* : Online

1 Semester, 5 cr

This semester covers the basics of genetics and the technology used to better understand it. The first step is to explore genetics, DNA, and the genetic code. Students discover how organisms have evolved due to natural selection. They also explore ecology, and how matter and energy flow through ecosystems. These topics can help students see a bigger picture of the living world around them. Students apply ethical guidelines to biological research. This includes engaging in a discussion about the ethics and implications of new biotechnology. Students also model the flow of matter and energy in ecosystems. This investigation shows how changes to the flow affect organisms in their environment.

Physical Science A* : Online

1 Semester, 5 cr

This semester introduces students to the world of chemistry. Students start by looking at science as a whole. This means learning the methods and tools that scientists use to get meaningful results. Students then explore the structure and properties of matter—and how it changes in response to energy. Next, students practice reading and interpreting the periodic table. From there, students learn to use and interpret chemical names, formulas, equations, and models. Students also discover the types and properties of reactions, mixtures, solutions, acids, and bases. Finally, students examine nuclear reactions and their uses. Throughout the course, students also explore historical perspectives and the modern social impact of these topics.



Physical Science B* : Online

1 Semester, 5 cr

This semester introduces students to the world of physics. Students start by discovering what it means to be scientific. By looking at the ways scientists think, communicate, and do their jobs, students form a strong foundation for learning the sciences. Next, the course covers important aspects of motion and force, including the motion of fluids and Newton's laws. Building up from these beginnings, students explore thermodynamics, energy, work, and machines. Next is the nature and properties of waves, followed by electricity and magnetism. Alongside their exploration of the scientific method, students work on a course project that introduces them to the field of engineering.

Chemistry A* : Online

1 Semester, 5 cr

This semester covers the basic principles and properties of matter. These concepts enhance students' grasp of chemistry and its everyday uses. Chemistry opens the atomic world to students. Using the atomic model, students learn how chemical reactions can be predicted. Once scientists understand reactions, they can be engineered to provide people with energy and needed materials. Students start with the building blocks of chemistry, with atoms, bonding, and the periodic table. Next, students move to the next size up: molecules. After that, students build on these ideas with a look at reactions, stoichiometry, and the link between reactions and energy.

Chemistry B* : Online

1 Semester, 5 cr

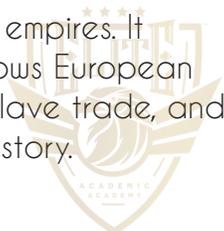
This semester expands upon the basic understanding of chemistry. The course begins with an overview of the properties of matter. These include the types of bonds and forces that hold atoms and molecules together. After that, the course explores the states of matter, phase changes, gas laws, and solutions. Then, the course moves into the thermodynamics and kinetics of chemical reactions. This explains why some reactions give off heat, while others consume it. The course also discusses chemical equilibrium and electrochemistry. Finally, the course explores radiation and the difference between nuclear fission and fusion. By the end of this course, students are able to evaluate the ethical and social implications of chemistry-related technologies.

HIGH SCHOOL HISTORY/SOCIAL STUDIES

World History A* : Online

1 Semester, 5 cr

This semester explores key events and historical developments from hunter-gatherer societies to the Industrial Revolution. It begins with analysis of prehistoric people from the Paleolithic era to the Agricultural Revolution. The course follows the rise and fall of early empires and the fall of the Roman Empire. The course analyzes the Crusades, feudalism, the plague, and Asian empires. It explores the effects of the Renaissance and Protestant Reformation. The course follows European explorers who sought new trade routes to Asia, the discovery of the Americas, the slave trade, and the emergence of the American colonies. It also analyzes important revolutions in history.



World History B* : Online

1 Semester, 5 cr

This semester traces the developments of the last 250 years. It begins by examining the origins of modern Western imperialism. This includes the influence of the Industrial Revolution. The course analyzes the cultural, economic, and political impacts that imperialism had on Africa and Asia, including the rise of Japan. It examines how imperialism and nationalism contributed to the outbreak of World War I. It considers how the Treaty of Versailles contributed to the rise of fascism in Europe and the start of World War II. The course also analyzes the destructive nature of 20th-century warfare and atrocities such as the Armenian Genocide and the Holocaust.

US History A* : Online

1 Semester, 5 cr

This semester begins with European exploration and the impact Europeans had on the lives of those native to North America. The course traces the development of the English colonies in North America, the causes and effects of the American Revolution, and the ratification of the Constitution. The course then examines the causes of the War of 1812. Throughout the course, the topic of sectionalism is analyzed through the study of various events, including westward expansion, the Civil War, and Reconstruction. This semester also examines the Indian Wars, immigration, and the Second Industrial Revolution.

US History B* : Online

1 Semester, 5 cr

This semester continues the story of the United States. It begins with the Gilded Age and Progressive Era. This is followed by World War I and the economic boom known as the "Roaring Twenties." After studying the Great Depression and the New Deal, the course then traces America's involvement in World War II, the Cold War, and proxy conflicts like the Vietnam War and Korean War. Students learn about pivotal events in the presidential administrations of the second half of the 20th century. This semester examines events as the United States emerges into the 21st century, including technology innovations, global communications, and the rise of terrorism.

Economics* : Online

1 Semester, 5 cr

Economics explores principles that allow students to make informed decisions about personal finance. In this course, students develop a broader understanding of national and international economic decisions and policies. These principles will help students understand why economics impacts history, the distribution of wealth, and the quality of life for all members of society.

Civics & Government* : Online

1 Semester, 5 cr

US Government provides students with basic knowledge of the history and philosophy of the United States government and its principles, which guide our democracy. Students examine the United States Constitution in order to answer questions and determine the facts of government. The course focuses on the functions and duties of the three branches of government. Special attention is given to political participation, the rights and responsibilities of citizens, and government systems of the world. It also covers the roles of political parties, interest groups, and the media in shaping the government. The Supreme Court is presented as the "voice of reason" in the balance of powers.



HIGH SCHOOL FOREIGN LANGUAGE

Spanish 1A* : Online

1 Semester, 5 cr

Students are introduced to the basics of the Spanish language through reading, writing, listening, and speaking. Students learn how to introduce themselves and others, talk about interests and hobbies, ask for directions, and more! Students also learn about the cultures of some Spanish-speaking countries. They learn about daily life in Mexico, the history of Spain, cultural traditions in Argentina, and more!

Spanish 1B* : Online

1 Semester, 5 cr

Students continue with the introduction to the basics of Spanish language through reading, writing, listening, and speaking. Students learn how to discuss school subjects, various professions, daily routines, and likes and dislikes. In addition to learning the language, students also learn about the cultures of Venezuela, Chile, Ecuador, Guatemala, and Cuba. Students learn about the history, traditions, and practices of each of these countries.

Spanish 2A* : Online

1 Semester, 5 cr

Students continue to build on their understanding by reading, writing, listening, and speaking. Students learn how to start and end conversations, ask questions, and discuss topics like social relationships, climate, animals, fables, holiday customs, and outdoor activities. Students even get the chance to write their own fable in Spanish. In addition to learning the language, students also learn about the cultures of Paraguay, Puerto Rico, El Salvador, Costa Rica, and Bolivia. Students learn about the history, products, traditions, practices, and perspectives of each of these countries.

Spanish 2B* : Online

1 Semester, 5 cr

Students continue to acquire the Spanish language through reading, writing, listening, and speaking. Students learn how to discuss transportation, extracurricular interests, professions, cuisine, clothing, health, and technology. Students are able to discuss these topics in the present, past, future, and conditional tenses, as well as the present subjunctive mood. In addition to learning the language, students also learn about the cultures of the Dominican Republic, Equatorial Guinea, Honduras, Uruguay, and Panama. Students learn about the historical figures, cultural products, traditions, practices, and perspectives of each of these countries.



Spanish 3A* : Online

1 Semester, 5 cr

Students continue with their acquisition of the Spanish language through reading, writing, listening, and speaking. Students explore the topic of writing in Spanish by learning about informative, argumentative, and descriptive texts, as well as the creative writing process. The course also covers significant historical events in Spanish-speaking countries, as well as cultural products, practices, philosophies, and public spaces. Students are able to discuss these topics in the indicative and subjunctive moods as well as the imperative.

Spanish 3B* : Online

1 Semester, 5 cr

Students will continue acquiring the Spanish language through reading, writing, listening, and speaking. Students explore Spanish-language literature by learning about notable authors and by reading and analyzing selected poems and short stories. They will also learn about behavioral norms in different Spanish-speaking cultures in a variety of social contexts. Students will be able to discuss these topics in the indicative and subjunctive moods in a variety of tenses.

HIGH SCHOOL ELECTIVES

Art History - Modern* : Online

1 Semester, 5 cr

In this course, students journey into art history, beginning in the late 1700s. After studying Western movements, artworks, and architecture, students shift to a global perspective. The course includes travels to China, Japan, Africa, Oceania, Southeast Asia, India, and back to the Americas. Along the way, students have chances to respond personally to the art and share their insights with their peers.

Art History - Origins* : Online

1 Semester, 5 cr

In this course, students journey through time, learning about prehistoric and ancient art, Mediterranean and medieval art, all the way to the Renaissance and through to Rococo. Students also learn how to read art and interpret it on a basic level. Since art is best learned through experience and expression, students have the chance to see pieces of art and share their reactions. The goal of this course is to show how art relates to everyday life.

Given the subject matter, the course is extensively visual. Please also be aware that this course includes depictions of nudity, as many art movements celebrated the human form. Many important and influential works of art include nudity, and it would be nearly impossible to teach art history without including them.



Study Skills : Online

1 Semester, 5 cr (or Middle School Option)

In this course, students will learn how to build the skills needed to maximize your success as a student. Each week's lessons will involve reading, writing, and some activities to practice what you're learning. By the end, you'll have a toolbox full of strategies and resources that will not only help you as a student but should also provide you with the skills needed to support whatever college and/or career you pursue!

Principles of Marketing : Online

1 Semester, 5 cr

In Principles of Marketing, students explore the principles and career paths in marketing. The course describes the interactions between businesses, consumers, and the economy. After covering the economic basics, students move on to the role of marketing specifically. Next is a look at how marketers get their information. Then, students go over the process of creating a marketing plan, and the different careers in the field of marketing.

Fashion Design* : Online

1 Semester, 5 cr

Students learn about the tools and principles of fashion design. Students explore the use of color as they start to put together their own inspiration board. Next, students investigate the fabrics and materials that form the foundation of real-world fashion projects. Finally, students discover the tools and machines that fashion designers can use to bring their projects to life.

Health 101 : Online & Offline

1 Semester

This course provides an overview of how behavior affects health. Students learn about nutrition and physical activity; growth, development, and sexual health; injury and safety prevention; alcohol, tobacco, and other drugs; mental, emotional, and social health; and personal and community health. Students also explore how the choices they make about their bodies affect both their present and future. They are given tools to make informed decisions to better their health.



MIDDLE SCHOOL COURSE OPTIONS

Please Choose Two Options Below

MIDDLE SCHOOL ONLINE COURSES

Reading Acceleration : Online

1 Semester

This course provides foundational reading skills for middle-school students to remediate gaps in reading skills and to support learning of reading. This course provides instruction that enables students to further develop and strengthen their skills in reading and responding to texts.

The instruction emphasizes reading fluency and comprehension, vocabulary and vocabulary skills, grammar skills, and writing fluency through responses to text. The skills in the course are taught through a variety of literary and informational texts. The readings have different text structures, different genres, and varying levels of complexity, while focusing on a wide range of topics.

English 6 : Online

1 Semester

Students read literary texts from various genres, including novels, short stories, poems, and plays. Students read the entire novel *The Wonderful Wizard of Oz* by L. Frank Baum and excerpts from *Little Women* and *The Adventures of Tom Sawyer*. Students also read poetry by Robert Louis Stevenson, Robert Frost, and Carl Sandburg and watch several videos of famous poems being read aloud. These reading selections demonstrate concepts such as explicit and implicit information, theme, characters, plot, poetic techniques, and figurative language.

English 7 : Online

1 Semester

Students read literary texts from various genres, including novels, short stories, fairy tales, poems, and plays. Students read the entire novel *Alice's Adventures in Wonderland* by Lewis Carroll and excerpts from *Black Beauty*. Students also read poetry by Emily Dickinson, Robert Frost, William Wordsworth, and others. These reading selections demonstrate concepts such as comparing how written texts are portrayed in film or audio and ways to understand explicit and implicit information, theme, characters, plot, poetic and dramatic techniques, and figurative language.



English 8 : Online

1 Semester

Students read literary and informational texts, including novels, short stories, poems, articles, and political speeches. Students read excerpts from the novels Fahrenheit 451, Hatchet, and Black Beauty as well as informational texts about topics such as global warming, fast food, the widespread presence of corn in food, and how sleep affects learning ability. These reading selections, along with infographics and videos, demonstrate concepts such as explicit and implicit information; theme; central idea; figurative language; the basics of grammar, usage, and punctuation; and informational and argument writing.

Mathematics 6 : Online

1 Semester

Students build on concepts such as positive and negative integers and fractions to learn about rational numbers and how to compare them. They find the distance between points on the number line and in the coordinate plane, and then they solve geometry problems involving these concepts. They study the relationships between variables and how to represent them. They also learn about ratios and unit rates, and then use them to solve real-world problems. Finally, students work with data and discover different ways to display and mathematically describe data.

Mathematics 7 : Online

1 Semester

Students subtract and divide rational numbers by using different methods, and they apply strategies to perform four operations. They study and interpret proportional relationships and equivalent expressions, and they write and solve linear equations and inequalities to solve real-world problems. Next, they compare two data sets of random samples by using their center values and variability measures, and they make conclusions about their populations. Finally, students work on geometry topics and solve problems that involve the area, surface area, volume, and cross-sections of two- or three-dimensional objects.

Mathematics 8 : Online

1 Semester

Students solve multi-step equations and proportions. They apply their knowledge of proportional relationships to geometry, where they perform transformations on figures and prove similarity of figures through a series of transformations. Next, students analyze linear relationships and functions. Students also learn how to solve systems of linear equations using different methods. Then they build upon their algebraic skills by applying them to statistics, where they analyze and interpret patterns in bivariate data. Finally, students work with circular three-dimensional objects to find their volumes.



Intro to Spanish : Online

1 Semester

Students are introduced to the basics of the Spanish language by learning to introduce themselves! Through reading, writing, listening, and speaking, students learn to talk about interests and hobbies, ask for directions, and more. Students also learn about the cultures of some Spanish-speaking countries, including daily life in Mexico and the history of Colombia.

Character Education : Online

1 Semester

In this course, students learn about important values: truthfulness and trustworthiness. Responsibility, diligence, and integrity. Respect, caring, and fairness. The course offers specific, real-world situations that students can interpret and connect to these traits. Next, students practice spotting cases of bullying—including cyberbullying. The course describes how bullying can hurt everyone involved, and helps students develop a bullying-prevention mindset. This includes offering safe and appropriate ways to respond in real time. Finally, as members of their community and their country, students learn about their rights and duties as citizens.

Physical Education : Online & Offline

1 Semester

*Description Above

Study Skills Course : Online & Offline

1 Semester

*Online Description Above & Offline Description Below

— MIDDLE SCHOOL OFFLINE COURSE WORK —

GRADE 6

English Grammar and Mechanics 6 : Offline

This workbook is for students who are entering grade 7 in the Fall. Students should be able to demonstrate command of English grammar and usage, use correct capitalization, punctuation, and spelling, vary sentence patterns in writing, understand figurative language, and acquire grade-appropriate academic vocabulary. Additional skills in the workbook include recognizing and using Greek and Latin roots to increase vocabulary, solving analogies, identifying cause and effect, distinguishing fact from opinion, and using charts and tables. The workbook also weaves in all of the other skills from the previous levels. By completing just one lesson six days a week, students enter grade 7 ready to begin learning new material right away



Mathematics 6 : Offline

This workbook is for students who are entering 7th grade. The Common Core State Standards require children leaving 6th grade to calculate ratio and unit rate; divide fractions by fractions; perform all operations with multi-digit decimals; use positive and negative numbers in real-world contexts; work with ordered pairs in all four quadrants of a coordinate plane; interpret inequalities; write and evaluate expressions with whole number exponents; find the area of polygons; represent three-dimensional figures with nets; and summarize numerical data sets in a variety of ways. By completing just one lesson six days per week, students enter 7th grade ready to learn new material right away.

Study Skills 6 : Offline

This workbook is for students who are entering 7th grade. These students should be able to read and comprehend nonfiction passages at grade level, determine and summarize main ideas, select important supporting details, and use context clues to determine the meaning of unfamiliar words. Additional skills in the workbook include using graphic organizers, memory devices, test-taking strategies, solving analogies, interpreting visual information in charts, graphs, and timelines, note-taking, outlining, and writing a report. By completing just one lesson three days a week, students enter grade 7 ready to begin learning new material right away.

GRADE 7

English Grammar and Mechanics 7 : Offline

This workbook is for students who are entering grade 8. The Common Core State Standards require that these students know the function of phrases and clauses and to use them correctly; to eliminate dangling modifiers; to demonstrate command of the conventions of standard English capitalization, punctuation, and spelling; and to use various strategies to master unknown vocabulary. By completing a lesson six times per week, students enter grade 8 ready to begin learning new material right away.

Mathematics 7 : Offline

This workbook is for students who are entering 8th grade. The Common Core State Standards require children leaving 7th grade to compute unit rates; solve percent problems using proportional relationships; apply the properties of operations when adding and subtracting rational numbers; convert rational numbers to decimals; work with linear expressions; solve multi-step problems with both positive and negative numbers; solve equations and inequalities; find area and circumference of a circle; find volume, area, and surface area of figures; and work with simple and compound probability. By completing just one lesson six days per week, students enter 8th grade ready to learn new material right away.



Study Skills 7 : Offline

This workbook is for students who are entering 8th grade. These students should be able to read and comprehend nonfiction passages at grade level, write objective summaries of nonfiction text, and use context clues to determine the meaning of unfamiliar words. Additional skills in the workbook include using graphic organizers and test-taking strategies, developing organizational skills, interpreting visual information in charts, graphs, and timelines, solving analogies, recognizing cause/effect, note-taking, outlining, and writing a report. By completing just one lesson six days a week, students enter grade 8 ready to begin learning new material right away.

GRADE 8

English Grammar and Mechanics 8 : Offline

This workbook is for students who are entering high school. The Common Core State Standards require that these students know the function of gerunds, participles, and infinitives and to use them correctly; to understand verb voice and mood; to form and use verbs in active and passive tense; to demonstrate command of the conventions of standard English capitalization, punctuation, and spelling; and to use various strategies to master unknown vocabulary. By completing a lesson six times per week, students enter high school ready to begin learning new material right away.

Mathematics 8 : Offline

This workbook is for students who are entering high school. The Common Core State Standards require children leaving 8th grade to apply properties of integer exponents to generate equivalent fractions; work with powers of ten; perform operations with numbers expressed in scientific notation; compute linear equations with one, infinite, or no solution; work with functions; determine congruence and/or similarity between figures using rotation, reflection, or translation; apply the Pythagorean Theorem to determine unknown side lengths or find the distance between two points; and know the formulas for finding the volume of cones, cylinders, and spheres. By completing just one lesson six days per week, students enter high school ready to learn new material right away.

Study Skills 8 : Offline

This workbook is for students who are entering high school. These students should be able to comprehend and determine central ideas of nonfiction passages, write objective summaries of nonfiction text, and use context clues to determine the meaning of unfamiliar words. This ongoing practice shores up literacy and study skills covered in grade 8. Additional skills in the workbook include developing organizational skills, decision-making, goal setting and time management, interpreting visual information in charts, graphs, and timelines, using graphic organizers, test-taking strategies, citing sources, note-taking, outlining, and writing a report. By completing just one lesson six days a week, students enter high school ready to begin learning new material right away.

