



FTA ELEMENTARY SCHOOL COURSE CATALOG



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Language Arts

Language Arts

Kindergarten

Following the Common Core State Standards for kindergarten English, this class demonstrates grammatically correct speaking and writing, along with correct capitalization, spelling, and punctuation while writing.

Students' vocabulary is improved upon by clarifying words with multiple meanings and how words in a sentence relate to each other. The students will learn phonics to sound out words while reading. The students will be exposed to emergent-reader books and asked to answer questions about the plot, key ideas, and details of story. Students will be able to explain relationships between text and the illustrations, compare and contrast two different books on the same topic, and participate in group reading activities.

By the end of the class, students should be comfortable holding collaborative discussions about age-appropriate topics, be able to answer questions about a story read aloud to them, be comfortable asking for help or clarification on a topic, and be able to tell a story through a combination of text, drawings, and spoken words.

See more:

<https://www.foresttrailacademy.com/kindergarten-english.html>

Language Arts

Second Grade

The second grade forms the second layer of the foundation of a child's primary education. In the second grade, children are usually 7 to 8 years old. Students are taught subjects such as Math, Science, Geography and Social Studies.

In Math, they are introduced to larger numbers (building up on what was taught to them in the first grade) and fundamental operations such as addition and subtraction. They are also taught measurement of time, length, distance, weight and temperature along with additional basic concepts of geometry.

In terms of reading skills, they are introduced to basic grammar skills and cursive writing. The focus on developing reading skills lays emphasis on reading for better comprehension. The subject of Science helps them explore basic earth and space sciences along with planets and the weather system.

In Social Studies, children are provided with a basic understanding of the government and current events. They are also given a basic understanding of American history and are taught about some noteworthy American Presidents. The subject of Geography includes learning about the different continents, oceans and countries across the world.

Forest Trail Academy offers the hallmark of truly effective traditional education programs.

See more: <https://www.foresttrailacademy.com/online-elementary-school-courses-grade-2.html>

Language Arts

First Grade

Following the Common Core Standards for 1st grade English, this class builds on the reading, writing, speaking, and listening skills for students. Students will practice retelling stories, answering questions about stories, and describing the major events within a story.

Students will develop skills to identify words that suggest feelings, explain the differences between books that tell stories and those that give information, and identify who is telling a story at different times in a book. The students will demonstrate an understanding of words that are spoke, syllables within a word, and sounds.

Through the application of appropriate phonics and the analysis of words, students will be able to read grade-level material well enough to understand the meaning.

By the end of the course students should be able to write opinion, informative, or narrative works. They should also feel comfortable conducting

collaborative writing projects that involve some research.

See more: <https://www.foresttrailacademy.com/first-grade-english.html>

Language Arts

Third Grade

This course follows the Common Core State Standards for 3rd grade English.

For reading skills, the student will be able to tell the difference between literal and nonliteral language. Students will be able to talk about the chapters, scenes, and stanzas of written work and how these pieces fit together to produce a whole story. A student's writing skills will be developed by teaching them to use linking words and phrases, words and phrases that show event order, and be able to conduct short research projects to build knowledge. Students will be able to follow social rules for discussions, such as staying on topic, being respectful of other's turn to talk and point of view, and linking their comments to others.

While reading informational texts, students will be able to describe the main idea, determine the meaning of academic words and phrases, and use maps and photographs to understand the text. The students will then learn about rules and laws, why we need them in our world, and the leaders who make these laws. The students will learn what it means to be a citizen and what symbols we use to represent America. Finally, they will learn about how people solve problems and celebrate holidays together.

See more: <https://www.foresttrailacademy.com/third-grade-english.html>

Language Arts

Fourth Grade

This class follows the Common Core State Standards for 4th grade English.

Students in this class are required to read at least 20 minutes every day and to turn in a reading log to show their time spent reading. They are also required to write 10 different book reports in an effort to encourage reading and writing about stories. In each of the 18 chapters students will receive two vocabulary lessons, learn about grammar, practice reading different types of literature, and learn skills to be a good writer.

To improve their reading skills students will learn how to link prior knowledge to what they are reading, how to determine if information is a first or second hand account, will practice reading nonfiction, and will learn how to make predictions about what will happen next in a story. Through writing practice students will improve their abilities to paraphrase, write essays, construct a story from idea to finished product, write a play, and write a persuasive essay. Students will be encouraged to visualize what they are reading and writing about, to make connections between stories, and to ask questions about what they read.

See more: <https://www.foresttrailacademy.com/fourth-grade-english.html>

Language Arts

Fifth Grade

This class follows the Common Core State Standards for 5th grade English.

Students in this class are required to read at least 30 minutes every day and to turn in a reading log to show their time spent reading. They are also required to write 10 different book reports in an effort to encourage reading and writing about stories. In each of the 18 chapters students will receive two vocabulary lessons, learn about grammar, practice reading different types of literature, and learn skills to be a good writer. Students will learn how to make inferences, read context clues, and read to learn information. To improve their writing skills students will learn how to express opinions, write letters, use literary devices, and use word relationships in poetry. Students will practice comparing and contrasting similar texts.

The goal of this class is to make each student a better reader and a better writer.

See more: <https://www.foresttrailacademy.com/fifth-grade-english.html>

Mathematics

Mathematics Kindergarten

This course is aligned with the Common Core Standards for Kindergarten mathematics. The math course for this grade focuses on two main ideas.

First, showing, relating, and using whole numbers. Second, describing shapes and spaces. In order to accomplish these two main goals students will learn to know number names, count objects, and compare numbers. They will focus on using the numbers 11-19 to build an understanding of place value.

The students will understand that addition means putting together and subtraction means taking from or apart. The students will practice describing and comparing measurable attributes such as height and weight. The students will also practice identifying, analyzing, comparing, and creating shapes. They will also use appropriate terms like below, and in front of to describe the relative location of an object.

See more:

<https://www.foresttrailacademy.com/kindergarten-mathematics.html>

Mathematics Second Grade

This class is aligned to the Common Core Standards for 2nd grade mathematics. The course focuses on four critical areas. First, the students will extend their understanding of base-ten notation. This includes the idea of counting in fives and tens. Students should understand multi-digit numbers by understanding that the digits in each place represent amounts of thousands, hundreds, tens, or ones. Second, the students will become proficient in addition and subtraction. They will now be able to add and subtract numbers up to 1000 by applying their understanding of addition and subtraction.

See more: <https://www.foresttrailacademy.com/second-grade-mathematics.html>

Mathematics First Grade

This course is aligned with the Common Core Standards for 1st grade mathematics.

The course focuses on 4 critical areas. First, the students will work to understand addition and subtraction, and be able to perform addition and subtraction within 20. They will work with addition and subtraction equations and understand the relationship between addition and subtraction. Second, the students will begin to understand how numbers relate to each other, including grouping in tens and ones.

Third, the students will develop an understanding of linear measurements and length units. They will also learn how to tell and write time.

Fourth, the students will begin to understand the attributes of shapes and how to create them. They will understand how to put some shapes together to create a new shape, or how to recognize shapes at different orientations.

See more: <https://www.foresttrailacademy.com/first-grade-mathematics.html>

Mathematics Third Grade

This class follows the Common Core Standards for 3rd-grade mathematics. The course focuses on four critical areas.

First, the students will begin to develop an understanding of multiplication and division. They will learn these skills through activities and problems of equal-sized groups where multiplication finds an unknown product and division finds an unknown factor. The students will learn to solve multiplication and division problems involving single-digit numbers.

Second, the students will begin to understand fractions, especially fractions with numerator 1. They will begin to see that fractions represent parts of a whole and that the fractional part is relative to the size of the whole.

Third, the students will begin to understand area as a property used to describe two-dimensional shapes. They will learn to measure the area of a shape by counting how many identical smaller shapes can fit inside of it.

Fourth, students learn to describe and compare two-dimensional shapes. They connect their knowledge of shapes to their work with fractions by describing the area of part of a shape as a fraction of the whole shape.

See more: <https://www.foresttrailacademy.com/third-grade-mathematics.html>

Mathematics

Fourth Grade

This course follows the Common Core Standards for 4th grade mathematics with a focus on three critical areas.

First, students will develop an understanding of multi-digit multiplication and dividing to find multi-digit dividends. In addition, students will expand their understanding of place value to 1,000,000 and the relative sizes of each place. They learn how to apply the correct methods to estimate or mentally calculate products or dividends.

Second, the students will learn to add and subtract fractions with the same denominator and the multiplication of fractions by whole numbers. They also learn that two different fractions can be equal, how to recognize, and how to create them.

Third, the students will understand that geometric figures can be analyzed and classified based on their properties. The students learn how to understand the properties of two-dimensional objects and use them to solve problems about symmetry.

See more: <https://www.foresttrailacademy.com/fourth-grade-mathematics.html>

Mathematics

Fifth Grade

This course is aligned with the Common Core Standards for 5th grade mathematics and focuses on three critical areas.

First, the students will become skilled at the addition and subtraction of fractions. They will continue to develop understanding of the multiplication of fractions and learn to do some simple division of fractions. The students use the meaning of fractions, of multiplication and division to understand why the processes for multiplying and dividing fractions make sense.

Second, the students will expand their knowledge of division to include 2-digit divisors and decimal operations. The students will have mastered multi-digit addition, subtraction, multiplication, and division. The students will learn how to add and subtract numbers with decimals to the hundredths. They also develop and understanding of the relationship between fractions and decimals.

Third, the students will develop an understanding of volume as a property of three-dimensional space. They will learn how to approach and solve problems regarding the estimation and measurement of volume.

See more: <https://www.foresttrailacademy.com/fifth-grade-mathematics.html>

Science

Science

Kindergarten

This course is aligned with Florida's Next Generation Sunshine State Standards for Kindergarten science. The class provides an overview of the senses, including describing the textures of different substances. The students will explore the Earth and space by learning what gravity is and its effect on objects. Students identify the moon, Sun, and stars, and they learn the differences between day and night. The students are taught how to describe and explain the differences between different objects using the properties of an object. Students practice using categories to organize different objects and learn that objects change in many different ways over time. Pushes and pulls are discussed as a way to introduce the idea of force to the students. Sound and the movements that cause it are also explained. Finally, the students will explore biology by determining if a living being is a plant or an animal. They will describe the parts of a plant and what plants and animals require to live. *See more:*

<https://www.foresttrailacademy.com/kindergarten-science.html>

Science

Second Grade

This class is aligned to Florida's Next Generation Sunshine State Standards for 2nd grade science. While it covers many of the same topics covered in the previous science classes, it expands on these ideas, adding a greater depth of knowledge. Students will learn the basics of force, will explore gravity, and will learn about magnets. They will review the states of matter, while adding an explanation of how a substance changes from one state to another. The students will learn new things about plant and animals, including how they move, how they get food, and what keeps them safe from harm. Students will review the function of key organs in the human body, such as the brain, heart, muscles, and digestive system. In addition, students will learn about how to keep their body healthy through proper food, exercise, and avoiding germs when possible. Students will review the function and motion of the Earth, Moon, and stars. They will also learn about slow and fast land changes and fossils. Finally, the students will learn about weather, including the water cycle, the four seasons, and the types of severe weather they may experience.

See more: <https://www.foresttrailacademy.com/second-grade-science.html>

Science

First Grade

This course follows Florida's Next Generation Sunshine State Standards for 1st grade science. The students are provided an overview of many different types and aspects of science, including scientific inquiry, biology, physical science, and geology. The students will practice using their five senses to make observations of the world around, the basis of science. The students learn the difference between living and nonliving things based off of their properties. Plants are discussed, including different types of plants, their parts, and how they develop. Next, the students learn about animals, what they eat, where they live, and how they are different from plants. The students study the functions of the organs in their body, including the brain, heart, lungs, skeleton, skin, and stomach. Students explore the Earth, from the inside out, and study how the Earth changes through weathering, erosion, and earthquakes. Students will learn why day and night occur, and will learn about constellations in the night sky. The students will learn about what is matter, how to describe its properties, and the three states of matter.

See more: <https://www.foresttrailacademy.com/first-grade-science.html>

Science

Third Grade

In accordance with Florida's Next Generation Sunshine State Standards Grade-3 science course covers many types of science including physical science, biology, and earth science. The students start by reviewing the parts of plants and how they grow and change. Then they learn some new information about cells, how materials move through plants, and how plants reproduce. The students then move onto studying animals, including how they are grouped, how they use life-supporting substances, and how animals grow and change. The students learn about their senses and how their eyes, ears, nose, and taste buds work. Students will then learn about ecosystems; what they are, how they function, and how to protect them. Next the students expand on previous knowledge gained about how the Earth's surface changes and the major parts of our solar system. They are introduced to new information about comets, asteroids, meteoroids, and the contributions of Galileo Galilei to astronomy. The students will then explore different types of energy such as light, sound, heat, and electricity. Finally, the students learn about the scientific method and use their knowledge to design and conduct an experiment.

See more: <https://www.foresttrailacademy.com/third-grade-science.html>

Science

Fourth Grade

This class is aligned with Florida's Next Generation Sunshine State Standards for 4th grade science. It covers a variety of scientific topics, some of which have been covered in previous classes and some of which is new material. The students will review matter and its states, atoms and elements, and properties of matter. Students will learn about the special properties of metals, acids, and bases. They will also learn the differences between molecules, compounds, and mixtures. The students will review the solar system, the movement of the Earth, and the contributions of Galileo Galilei to our knowledge of astronomy. The students will learn about minerals and the different types of rocks, as well as investigate the rock cycle. They will learn the differences between renewable and nonrenewable resources. The students will review the life cycles and characteristics of both plants and animals. The students will learn about energy and the energy that we can harvest from the world around us like solar, heat, wind, and water. The students will explore how you hear, talk, and see, including a study of colors and why we see them. The students will learn about electricity and magnetism, including how they are used and the relationship between the two. They will explore the differences between speed, velocity, and acceleration. They will also learn about the laws of motion and how they apply to the world around us. The purpose of, and types of, machines will be studied so that students can understand that compound machines they see in lives. The students will also explore the application of scientific knowledge, technology. Finally, the students will review the scientific method and design and conduct their own scientific investigation.

See more: <https://www.foresttrailacademy.com/fourth-grade-science.html>

Science

Fifth Grade

This course follows Florida's Next Generation Sunshine State Standards for 5th grade science. The students will receive a broad overview of many different types of science in order to better understand the world around them. They will begin by reviewing the scientific method and the steps to designing a good experiment. The students will learn about galaxies and will review information about our solar system and the planets within it. They will learn about the water cycle and the causes of the weather we see around us. The students will learn that environmental changes can cause evolution in both plants and animals. They will review the major systems in the human body and then will learn about similarities between those system and the parts of a plant. The students will learn about how the atomic theory has developed over time and will review the states of matter and the changes that matter can undergo. The law of conservation of energy will be learned, along with the types of energy transformations that commonly occur. The students will review electricity and will learn about its properties and uses in our lives. Finally, the students will review forces and Newton's laws of motion.

See more: <https://www.foresttrailacademy.com/fifth-grade-science.html>

Social Studies

Social Studies

Kindergarten

Following Florida's Next Generation Sunshine State Standards for Kindergarten social studies, this class focuses on several big ideas. The students will learn what it means to be a part of a family and why they are different from other family members. They will learn about why we celebrate holidays and what they mean. The students will learn how to be a good citizen and will learn about how different groups might have different rules. Money will be explained as well as the concept of work and the types of work that people might do. The students will learn about the concepts of time, today, yesterday, and tomorrow in order to describe events. They will start learning how to read maps, along with the common symbols and directions found on one. Finally, the students will learn about landforms, water, and weather.

See more:

<https://www.foresttrailacademy.com/kindergarten-social-studies.html>

Social Studies

Second Grade

This class follows Florida's Next Generation Sunshine State Standards for 2nd grade social studies. It uses the ideas of neighborhoods to introduce and expand upon many different subjects. The class begins by describing what a neighborhood is and how maps and globes are used to describe an area. Next, the way neighborhoods change is used to explain inventions, and how people move via immigration. This leads to a discussion about the first Americans, American Indians, including their homes, food, and culture. The students then learn about the pilgrims and the first Thanksgiving. The class then focuses on the people within a neighborhood and how they work together and live. The students will learn about needs and wants and how different goods and services are provided. Next the students learn about why people work and different types of jobs. The students will learn about money, how to manage it and how to save it. They will also learn about how money is produced and about taxes.

See more: <https://www.foresttrailacademy.com/second-grade-social-studies.html>

Social Studies

First Grade

This course follows Florida's Next Generation Sunshine State Standards for 1st grade social studies. It continues to build on the big ideas taught in kindergarten social studies, and brings new ideas forward as well, most in the context of a family. First, the students learn more about families, how they can be similar and how they can be different. The students also learn about how families interact and the rules families follow. The students then hear about how learning happens, both at school and at home. Next the students learn about how both children and parents work, where they work, and how money is used in our culture. The differences between a want and a need is explained, along with how people get what they want and how needs and wants have changed over time. The class then focuses on choices that are made by people, how to make good choices, and important choices made in history. The students will then learn how to read maps and will discuss the different places that families can live in the USA and in other countries. The students will learn about our natural resources and how we must take care of our resources in order to keep them around. The first American families are discussed, particularly Native American families and their stories. Finally the students learn about the holidays we celebrate and remember.

See more: <https://www.foresttrailacademy.com/first-grade-social-studies.html>

Social Studies

Third Grade

This class is aligned with Florida's Next Generation Sunshine State Standards for 3rd grade social studies. It focuses on the United States, its geography and its people. The students will first learn how to read a globe and a map in order to understand the maps shown throughout the course. Next the students will learn about North America as a whole, including the countries of Mexico, Canada, and the Caribbean. The students then learn about Native Americans and the first European settlers. They will then learn about the US constitution and how the nation is run. The rest of the course will be spent focusing on each region of the United States: the Northeast, Southeast, North Central, Rocky Mountain, Southwest, and Pacific Regions. The students will first learn about the geography of these regions, including the climate and any important landforms. Next, the students will learn about the people of these regions, including any important historical facts, where most of the people live in these regions, and what the people in these regions do for work.

See more: <https://www.foresttrailacademy.com/third-grade-social-studies.html>

Social Studies

Fourth Grade

This course follows Florida's Next Generation Sunshine State Standards for 4th grade Social Studies. It offers students their first in depth look at the history of the United States and our country's place in global events. The students will learn about Native Americans by region, learning about the customs of tribes in those areas. Next, they will learn about European exploration into America, and why they first found the continent. The students will study the first colonies in America and learn how freedom of religion was a strong principle. They will also learn about what life was like in the 13 original colonies. Students will study the events, such as the Boston Tea Party, that led up to revolution. The major battles of the American revolution are also covered. The students will then learn about the new system of government set up by the United States and the problem the young nation faced. The course then covers some important events in the early years of the country, including the Louisiana Purchase, the War of 1812, and the Trail of Tears. Next the student will learn about the westward expansion of the United States and the new challenges this created. The Civil War is discussed, including the reasons and some of the major battles. The students will also learn about the growth of industry in the country and about the rush of immigrants. The students will learn about America's role in the first World War and about the Great Depression that followed. World War II will be discussed, including the major parties involved, the Holocaust, what events brought America into the war, and how the war was concluded. The students will learn next about the Civil Right Movement and the Space Race. Finally, Florida will be spotlighted and the local and state government explained.

See more: <https://www.foresttrailacademy.com/fourth-grade-social-studies.html>

Social Studies

Fifth Grade

This course is aligned with Florida's Next Generation Sunshine State Standards for 5th grade social studies. The students will first review the needed map skills to successfully complete the source. The class focuses on the history of early America. It also provides a chance for students to practice reading about and discussing current events. The students will learn about native American civilizations, including early ones such as the Maya, Inca, and Aztec civilizations. They will then learn about European explorers, including Vasco da Gama and Christopher Columbus. Next the students will learn about the 13 original colonies and the steps that the colonies took towards revolution. They will review the major battles of the revolutionary war, and will learn about the Treaty of Paris, and the impact the war had on the country. The students will learn about how the government of the United States was formed and how the constitution was written. Next, they will learn about how the nation grew through things such as the Louisiana Purchase and the idea of manifest destiny. The students will learn about the growth of industry in the young country and the impact of slavery. Finally, the students will learn about how government is set up in the United States today, with the three branches of government and the system of checks and balances. They will also learn about their rights and responsibilities as a citizen of a country.

See more: <https://www.foresttrailacademy.com/fifth-grade-social-studies.html>

