

*Seascope Private School's online program
offers award-winning curricula for homeschooling families
nationwide and internationally!*



Our online curriculum is entirely digital, which means no printed books are mailed to you. Upon enrollment, you will gain quick access to your curriculum. Designed to be 'open and go', it will allow you to download and start using it on any computer, tablet, or mobile device immediately.

Our online program is a complete year course.

Included in the program is the following:

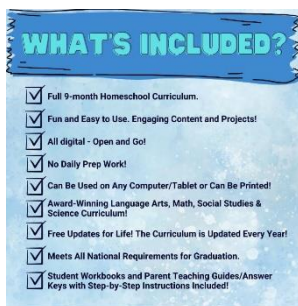
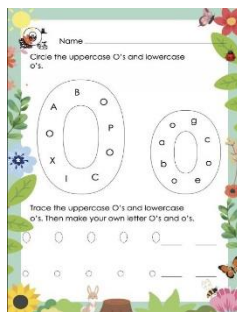
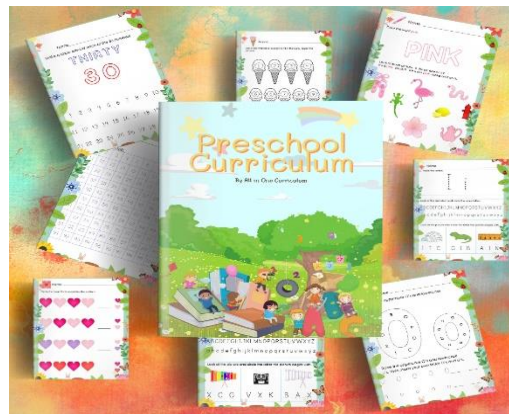
Online curriculum for the year

Teacher grading and assessment

Progress Reports throughout the program

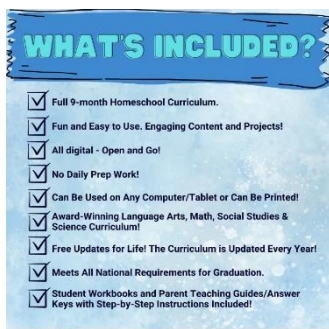
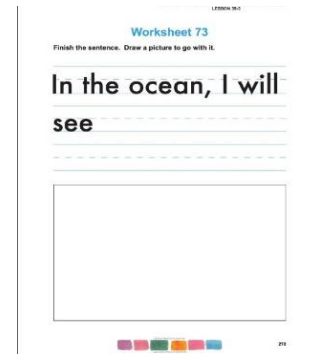
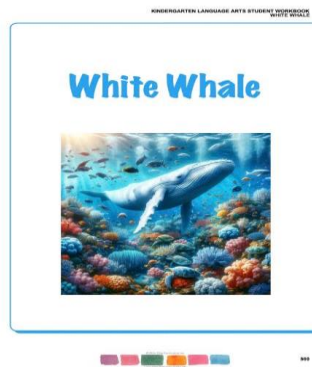
Enrollment in a regionally accredited private school, with record keeping in the student's permanent file which includes student course schedules, transcripts, final grades received, yearly/cumulative GPA, rank in class and dates of enrollment/withdrawal/graduation.

Grade PreK



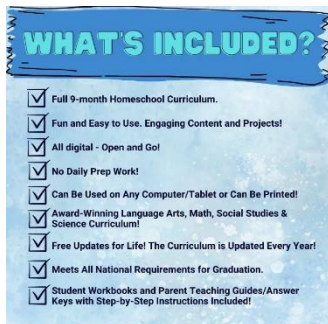
Unlock a world of learning and fun for your little ones with our comprehensive All in One Preschool Homeschool Curriculum. Designed specifically for preschoolers, this curriculum is **packed with engaging activities, colorful worksheets, and interactive lessons** to nurture young minds. Also included are our interactive programs: **Math World & Science World** – online fun learning journeys in which your child will acquire new math and science skills while learning more about the continents, countries, and cultures around the world.

Kindergarten



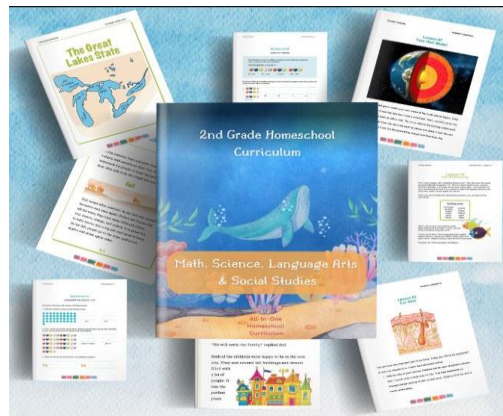
Our Kindergarten Homeschool Curriculum has everything you need for a successful and enjoyable learning experience. This Complete Kindergarten Homeschool Curriculum includes the **digital Student Course Books & Parent Teaching Guide**. Our curriculum covers all essential subjects, including **math, language arts, science, social studies, and more!** Your child will develop important skills while exploring a wide range of engaging topics. **NOTE: This curriculum must be printed. Kindergarten students learn very important fine motor skills at this age.* Also included are our interactive programs: **Math World & Science World – online fun learning journeys** in which your child will acquire new math and science skills while learning more about the continents, countries, and cultures around the world.

First Grade



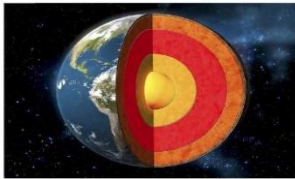
Math Made Fun: From numbers to basic operations, our curriculum will make math engaging and enjoyable for your little one. Say goodbye to math struggles! **Language Arts Adventures:** Watch your child's reading and writing skills soar as they explore captivating stories and develop strong literacy skills. **Exploring the World:** Social studies and science come to life with exciting lessons that will take your child on a journey of discovery around the globe. **Hands-on Science Experiments:** Spark curiosity and cultivate a passion for science with interactive experiments that will amaze and inspire your young scientist. Also included are our interactive programs: **Math World & Science World** – online fun learning journeys in which your child will acquire new math and science skills while learning more about the continents, countries, and cultures around the world.

Second Grade



STUDENT MANUAL SCIENCE / LESSON 67

Lesson 67 Your Own Model



Today you will get to make your own model of the Earth and its layers. First, take a piece of red clay and turn it into a small ball. Then, carefully cover the red ball with a layer of yellow clay. Try not to disturb the red clay underneath. It may be easier if you lay out a flat layer of yellow and place it over the red, and then spread it out. Do the same thing orange and then blue clay.

PROGRESSIVE READER THE GREAT LAKES STATE

The Great Lakes State



STUDENT MANUAL SCIENCE / LESSON 25

Lesson 25 Flowers



Your teacher has provided you with several different kinds of flowers. Using a magnifying glass to inspect each flower, can you identify each part of the flower? Choose two flowers that look different and draw and label each part of the flower. Use crayons to add details to your work.

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HOW DO ENVIRONMENTS AFFECT CLIMATE?

INTRODUCTION

WHAT DO YOU KNOW... PLANTS AND ANIMALS...

DIFFERENT CLIMATES... CLIMATE ZONES...

HOW ARE WE CHANGING... CERTIFICATE

Mastering Math: Watch your child’s math skills flourish as they explore numbers, operations, and problem-solving through interactive and engaging activities. **Language Arts Magic:** From reading comprehension to creative writing, our curriculum will ignite your child’s love for literature and language arts. **Exploring the World:** Dive into social studies and science lessons that will transport your child to fascinating places and uncover the wonders of the world. **Science Experiments Galore:** Spark curiosity and nurture their inner scientist with hands-on experiments that will leave them in awe of the natural world. Also included are our interactive programs: **Math World & Science World – online fun learning journeys** in which your child will acquire new math and science skills while learning more about the continents, countries, and cultures around the world.

Third Grade



Water Cycle
The water cycle shows how water moves from the Earth's surface to the air and back again. It's like a big circle. Water evaporates from the oceans, forms clouds, falls as rain, and eventually flows back into the oceans. This cycle is important because it provides fresh water for plants, animals, and people.

Importance of Water
Water is essential for all life on Earth. It's used for drinking, growing food, and keeping plants and animals alive. Clean water is also important for health. People use water for cooking, cleaning, and many other activities.

Activity: Water in Our Lives: Write a paragraph about how you use water every day.

Look at the picture and write a complete sentence about it.
Your Example Sentence:

Vocabulary Words for the Week:
Let's take a moment to practice our vocabulary words for the week. These words and definitions should be written in your Writing Notebook and you should study them every day. There will be a list on these words in a later lesson.

- never** - at no time in the past or future; not ever
- start** - to begin; to start something; the point at which something begins
- city** - a large town or urban area with a large population and many services
- earth** - the third planet from the sun; the planet we live on
- water** - a liquid that is essential for life
- alone** - by oneself; without other people
- follow** - to come after something or someone; to go or come after in the same direction
- break** - to stop or interrupt; to have spent all money and not having any left
- right** - the act of flying; the movement through the air
- allow** - to display or present something for people to see
- where** - a place or location; an outdoor space
- water** - a liquid that is essential for life
- above** - in a higher position; higher than something else
- where** - a place or location; an outdoor space
- where** - a place or location; an outdoor space
- where** - a place or location; an outdoor space

The Life Cycle of Amphibians:

- From Water to Land:** Amphibians, like frogs, have a unique life cycle. They hatch from eggs in water, living in water with gills and a tail.
- Transformation:** As they grow, they develop lungs and lose their tails, transitioning to live on land as frogs.

The Life Cycle of Reptiles:

- Egg Hatching:** Reptiles, such as lizards and snakes, hatch from eggs. They usually look like smaller versions of their parents.
- Growth:** Over time, they grow into adult reptiles, ready to lay their own eggs.

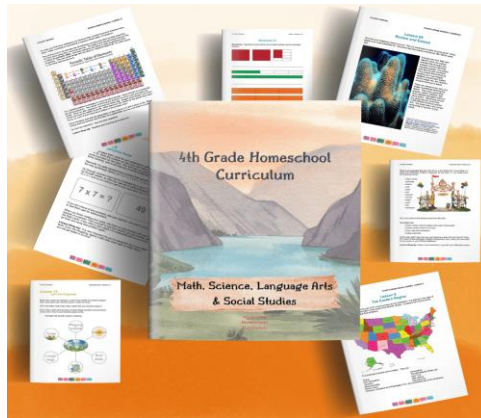
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Mathematical Marvels: Watch your child excel in math as they delve into concepts like multiplication, division, fractions, and problem-solving through exciting activities. **Language Arts Adventures:** Spark your child's imagination through captivating stories, expand their vocabulary, and enhance their reading comprehension skills. **Explore the World:** Ignite curiosity with captivating social studies and science lessons that will take your child on an incredible journey of exploration and understanding. **Hands-On Science:** Unleash their inner scientist with hands-on experiments and activities that will bring science to life right in your home. Also included are our interactive programs: **Math World & Science World – online fun learning journeys** in which your child will acquire new math and science skills while learning more about the continents, countries, and cultures around the world.

Fourth Grade



STUDENT MANUAL FOURTH GRADE SCIENCE / LESSON 52

Lesson 52 Introducing the Leaf and Stem!



Use your science notebook to fill in the definitions for your new vocabulary words. You will check their meanings when you read your lesson about leaves and stems.

In the study of biology, scientists have uncovered the secret to how plants survive.

First, they must observe plants. They must see what is alive about plants. They found they have leaves, stems and roots.

The stem of the plant could be like a straw-like stem and grow along the surface of the ground. The stem is in the back of the leaf. Plants' stems are usually growing straight up from the roots to the leaves. The stem supports the plant. There are two kinds of stems: woody stems and herbaceous stems.

The parts of the stem are: nodes in the center to carry the sugary nutrients to the plant, buds that carry water and extend to the plant and the center of the stem where food is stored.

Do you do leaves do? They use energy from sunlight to make food from water and a gas called carbon dioxide. How do you think water and carbon dioxide get into a leaf?

STUDENT MANUAL LANGUAGE ARTS / LESSON 8

Here is an example for you! My theme is the State Fair. If you filled in a State Fair Abbreviated Graphic Organizer for the letter "C", you might have the following words:



And, your poem's first stanza would look like this:

The State Fair
Cotton candy, caramel apples and cups of remonade
Colorful streamers drape out of cans
Cows, pigs and chickens
Create craziness

Pretty easy right? See how you can become a poet and not know it? Now, fill in each of the Abbreviated Graphic Organizers. Then, write your first draft of your poem in your Writing Notebook.

Lesson Wrap-up: Draw a nice illustration to go with your alliteration poem.

STUDENT MANUAL FOURTH GRADE SOCIAL STUDIES / LESSON 8

Lesson 8 The Eastern Region

Can you locate the part of the country known as the Northeast? It would be to the right of the Midwest and right on the coast of the Atlantic Ocean. It extends from Maine all the way down to the Gulf of Mexico.



The Northeast includes eleven states. They are:

Maine,	Connecticut,
New Hampshire,	The Mid-Atlantic States are:
Vermont,	New York
Massachusetts,	New Jersey
Rhode Island,	Pennsylvania
Delaware,	Maryland and Washington, D.C. are considered part of the Northeast.

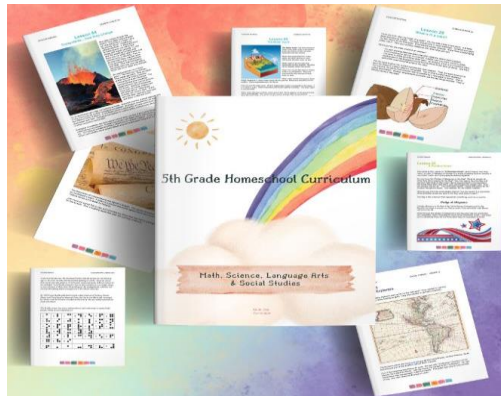
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Fifth Grade



STUDENT MANUAL

SOCIAL STUDIES LESSON 52



The Declaration of Independence was signed in August. The signers knew that they could be considered a traitor. A traitor is a person who works against his or her country. Traitors can be put to death by hanging.

John Hancock signed first to sign and reminded the others that they had to pull together for this to work. Now everything depended upon the outcome of the war.

STUDENT MANUAL

SOCIAL STUDIES LESSON 53

Lesson 15 Spanish Explorers

What do you think explorers want to find in this new land? They wanted to become wealthy. They were looking for gold. They also wanted to spread Christianity.

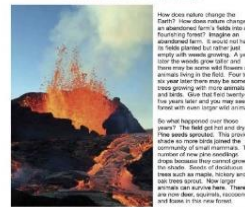


The landmass where the Spanish Explorers landed were Mexico, Central America, South America and part of the western part of North America. One of the explorers was Ponce de Leon. He was with Christopher Columbus on his second trip to the New World. Like the others, he wanted to find his treasure. He had heard there was exotic water in the New World. This water was said to keep people young. This was called the fountain of youth.

STUDENT MANUAL

SCIENCE LESSON 64

Lesson 64 Ecosystems...how they change



How does nature change the Earth? How does nature change an abandoned farm? How does a Raining Forest? Imagine an abandoned farm. It would not have to be fully planted but rather just empty with some growing. At first there are weeds growing and then there may be some wild flowers and weeds here in the field. Four to six years later there may be some trees growing with some shrubs and grass. Over the first twenty five years later and you may see a forest with some large trees and animals.

So what happened over those years? The land got not and dry. The weeds died. This allowed there to be more to grow the community of small organisms. The number of those organisms grew because they could grow in the shade. The shade was created by the trees that were growing. There were also some insects and birds. How long would it take to see a forest? There are now trees, shrubs, flowers and birds in the new forest.

So an abandoned farm field can become a forest! Scientists call this gradual replacement of one community by another ecological succession. Ecological succession can happen in two different kinds of places. It can begin where a community already exists such as in an abandoned farm field. Ecological succession in a place where a community already exists is called secondary succession.

Biological succession can also happen where there are no living things. This is called primary succession. Primary succession can begin where communities were wiped out. Such places include land that is covered by a volcanic eruption. It can also begin where communities never existed before such as sanddunes rising from the sea.

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Math World interface showing a math problem: "Exercise 6 - How full is the truck?" The problem asks to determine if a truck on the left is less full, the same as, or more full compared to a truck on the right. The truck on the left is 2/2 full, and the truck on the right is 3/4 full. The solution shows that 2/2 is less than 3/4, so the truck on the left is less full.

Science World interface showing a lesson menu for "Lesson 64 Ecosystems...how they change". The menu includes various interactive elements like a video, a game, and a worksheet.

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Sixth Grade



Lesson 35

Commensalism

When one organism benefits from living with another, and the other is not affected, the relationship is called commensalism. The organism benefiting from the host often calls the "host" or "benefit host." Many commensal relationships exist in the ocean. For example, the remora attaches itself to the shark. The shark benefits from the remora's cleaning services, while the remora benefits from the shark's food. The shark benefits from the remora's cleaning services, while the remora benefits from the shark's food.



Lesson 37

Food Chains and Food Webs



The energy that animals feed on other plants and animals is a food chain. Food chains are part of a larger food web. A food web shows how energy flows from one organism to another. These interconnected food chains form a food web. A food chain shows how energy flows from one organism to another. These interconnected food chains form a food web.

Lesson 11

Point of View: Part 3

Write in your journal. How can a picture mean different things to different people? How does the artist's point of view affect the viewer's interpretation of the artwork? When looking at the image below, the Statue of Liberty, write about what you see. What details do you notice? What is your overall interpretation of the artwork? Do you have any emotions or feelings about the artwork? The photographer of these photos is sure to tell the story of the Statue of Liberty. Understand that each image of the Statue of Liberty represents a different point of view that is unique to the artist's point of view.

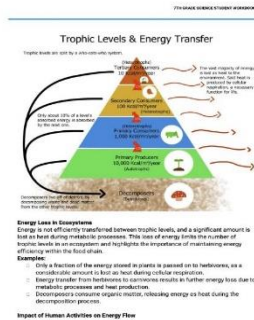
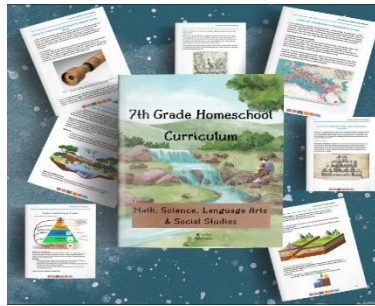


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Seventh Grade



Another influential figure from England was Francis Bacon. He championed the importance of empirical evidence, meaning evidence based on observation and experience. Bacon believed that to try to understand the world, one must observe, experiment, and draw conclusions based on evidence. This approach was fundamental in preparing the scientific method, which values systematic observation and experimentation.

While many of the most famous names from the Scientific Revolution are men, women also played vital roles. For instance, Maria Merz, a German-born naturalist, made significant contributions to botany and zoology. Another example is Lavinia Lloyd Dock, a British naturalist and geologist, who is known for her studies of human health. Both faced challenges because of their gender but still managed to leave their mark on the scientific community.

Maria Merz

Lavinia Lloyd Dock

In reflecting on the Scientific Revolution, it is evident that the women and girls of these major figures have had a lasting impact. Their work has shaped modern science and continues to influence our understanding of the world. These scientists are pioneers, and their contributions serve as a foundation upon which our current knowledge is built.

Lesson 15: Introduction to Ecosystems

Welcome to the fascinating world of ecosystems! In this lesson, we will embark on an exciting journey to uncover the secrets of nature's intricate web. The components of the living communities where living organisms interact with each other and their physical surroundings. By the end of this lesson, you will have a clear understanding of the fundamental components of an ecosystem and how they work together in harmony.

What is an Ecosystem? An ecosystem refers to a community of living organisms, such as plants, animals, and microorganisms, interacting with each other and their physical environment. It includes both biotic (living) and abiotic (non-living) components. Imagine it as a complex network, where each organism plays a vital role in maintaining the balance of nature.

Example:

- A forest ecosystem with trees, animals, insects, and various microorganisms.
- A pond ecosystem with fish, algae, aquatic plants, and bacteria.
- A desert ecosystem with cacti, snakes, snakes, and sand dunes.

Biotic and Abiotic Factors

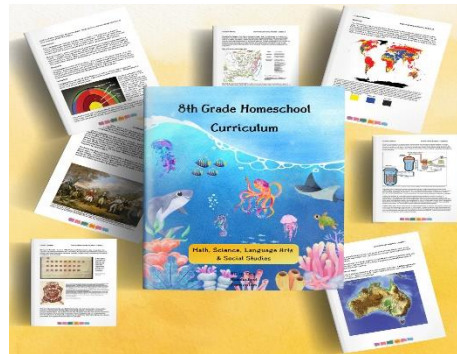
Biotic factors encompass all living organisms within an ecosystem, including plants, animals, fungi, and bacteria. Abiotic factors, on the other hand, refer to non-living elements.

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Technology Integration: Equip your child with essential digital skills through our technology-focused lessons, preparing them for the digital age. Also included in the program is online **foreign language** courses (choice of Arabic, Spanish, French, German, Italian, Portuguese, Dutch, and many more). Using gamification to make lessons fun, learning programs adapt and are personalized to a student's learning style to help them advance understanding quickly. For additional science activities, students will engage in a variety of **virtual museum activities** designed by and featuring an all-star team of scientists and educators. The investigations will not only challenge your child with a real-world, phenomenon-based scientific mystery, they will also model how research scientists search for evidence and how they use critical thinking to answer scientific questions. Next, your child will explore **digitized museum collections** and data to gather their own evidence for the research question at-hand. Depending on the investigation, your child might observe the nooks and crannies of a 3D image scan of a dinosaur jaw or examine aerial photos of pine trees to research the impacts of change in a montane environment.

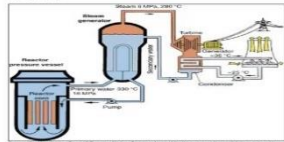
Eighth Grade



STUDENT MANUAL

EIGHTH GRADE SCIENCE / LESSON 42

Fission is contained in a nuclear power plant to limit the amount of energy released as a safe heat. Most rods that absorb neutrons are placed in the core of the nuclear reactor to control the amount of energy in the core. The result is a controlled nuclear chain reaction that releases great amounts of energy.



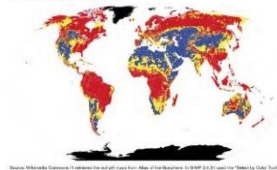
Nuclear waste is a concern because of the long half-life of the fission products. Unfortunately, several obstacles stand in the way. Building safe nuclear facilities is very expensive and the waste disposal for a reactor is still a major problem for the industry. In 1979, an accident at Three Mile Island in Pennsylvania made this concern a reality. A malfunction in the emergency cooling system caused the water level to drop in the reactor. In order to keep the water level up, there was not enough water. This malfunction caused the operators to think there was a problem with the reactor and they shut it down. The malfunction caused the operators to think there was a problem with the reactor and they shut it down. The malfunction caused the operators to think there was a problem with the reactor and they shut it down.

STUDENT MANUAL

EIGHTH GRADE SCIENCE / LESSON 23

Chemistry

The chemistry of a soil is very important. Plants must be able to absorb nutrients from the soil to grow. As you have learned, these nutrients come from the inorganic and organic matter in the soil. If the plants are able to absorb these nutrients, they will be able to grow. The pH level of a soil determines how well nutrients can be absorbed by the plants. A pH level is a measure of the acidity or alkalinity of a solution. Farmers look at the pH level to decide if they need to add lime to make the soil less acidic or add sulfur to make it more acidic.



Soil pH levels are a measure of the acidity or alkalinity of a solution. Farmers look at the pH level to decide if they need to add lime to make the soil less acidic or add sulfur to make it more acidic.

STUDENT MANUAL

EIGHTH GRADE SOCIAL STUDIES / LESSON 7

Stamp Act Protests - Later in 1765, Parliament further tried to raise money from the colonies by passing the Stamp Act. The Stamp Act required a government stamp to be affixed to all legal documents, licenses, licenses, playing cards, commercial documents, newspapers and contracts.



If the Stamp Act was not passed by the government, the colonies would have been able to continue their trade and economic growth.



This law outraged colonists, who felt that Congress was only out to make money off the colonies. They felt their political rights were being violated. The protest 'No taxation without representation' arose in response with the notion that only the colonial assemblies had the consent of the colonies to tax them. Since Parliament had no representation from the colonies in it, they had no right to tax the colonies. Before the Stamp Act, colonial assemblies and legislatures had no voice.

Advanced Math Skills: Watch your child excel in algebra, geometry, and problem-solving with our comprehensive and interactive math curriculum. **Language Arts Mastery:** Enhance their reading comprehension, writing, and critical thinking skills through captivating literature and language arts activities. **Explore the World:** Dive into fascinating social studies lessons that delve into history, geography, and cultures, fostering a deeper understanding of the world we live in. **Science Enrichment:** Nurture their curiosity with engaging science experiments and activities that promote critical thinking and a deeper understanding of scientific principles. **Critical Thinking:** Develop their analytical and problem-solving skills with thought-provoking activities that encourage independent thinking. Also included in the program is online **foreign language courses** (choice of Arabic, Spanish, French, German, Italian, Portuguese, Dutch, and many more). Using gamification to make lessons fun, learning programs adapt and are personalized to a student's learning style to help them advance understanding quickly. For additional science activities, students will engage in a variety of **virtual museum activities** designed by and featuring an all-star team of scientists and educators. The investigations will not only challenge your child with a real-world, phenomenon-based scientific mystery, they will also model how research scientists search for evidence and how they use critical thinking to answer scientific questions. Next, your child will explore **digitized museum collections** and data to gather their own evidence for the research question at-hand. Depending on the investigation, your child might observe the nooks and crannies of a 3D image scan of a dinosaur jaw or examine aerial photos of pine trees to research the impacts of change in a montane environment.