**Science Course Description**

Grades 1-8

**Weather & Water-**

From thrilling storms and calming rains to heat waves and cold snaps, explore all the ways God keeps things growing and changing on our Earth in this engaging science unit. Students will create a Tornado in a Bottle, solve a Misty Mystery, locate clouds with a Cloud Viewer, and conduct many other exciting weather-related experiments throughout this unit! Students will do hands-on activities, fun experiments, watch captivating videos, and view beautiful illustrations and images as they gain an appreciation for the weather and water in our world.

Lesson 1: Introduction to Weather  
Lesson 2: Weather, Climate, and Seasons  
Lesson 3: Water and Our World  
Lesson 4: The Atmosphere  
Lesson 5: Air  
Lesson 6: Wind  
Lesson 7: The Water Cycle  
Lesson 8: Clouds and Weather Fronts  
Lesson 9: Rain and Rainbows  
Lesson 10: Snow, Sleet, Hail, and Freezing Rain  
Lesson 11: Thunder and Lightning  
Lesson 12: Severe Weather: Tornadoes and Tropical Cyclones  
Lesson 13: Weather Forecasting  
Lesson 14: The Beauty and Power of Water

**Mammals-**

Students will be immersed in the wonderful world of Mammals as they explore the anatomy, characteristics, and habitats of these unique animals. Explore this fun scientific subject through engaging videos, beautiful images, and hands-on activities. Students will learn about fascinating felines, the mysterious world of bats, and much more.

Lesson 1 – Introduction to Mammals  
Lesson 2 – Live Birth & Lactation  
Lesson 3 – Odd-Toed Ungulates  
Lesson 4 – Even-Toed Ungulates  
Lesson 5 – Elephants  
Lesson 6 – Primates  
Lesson 7 – Felines  
Lesson 8 – Canines  
Lesson 9 – Monotremes  
Lesson 10 – Marsupials  
Lesson 11 – Bats  
Lesson 12 – Rodents  
Lesson 13 – Bears  
Lesson 14 – Endangered Animals

**Ecosystems-**

Students will explore the wonders of the vast world that surrounds us, from the amazing creations found in your own backyard to the most extreme biomes on Earth, in the updated Ecosystems science unit. Every little part of the earth, from the drops of water in the ocean to lumbering elephants to each unique person, is an important part of our world!

Lesson 1 – Introduction to Ecology  
Lesson 2 – Biotic and Abiotic Factors  
Lesson 3 – Levels of Organization  
Lesson 4 – The Interconnection of Producers and Consumers  
Lesson 5 – Energy Pyramids and Trophic Levels  
Lesson 6 – Interactions of Living Things  
Lesson 7 – Terrestrial Biomes  
Lesson 8 – Aquatic Biomes  
Lesson 9 – Ecological Succession

**Reptiles, Amphibians & Fish-**

Students will travel the globe while you explore the amazing world of scaly, slithering, and swimming creatures! The Reptiles, Amphibians, and Fish science unit features easy-to-teach lessons, captivating videos, and exciting activities to immerse children in the lives, characteristics, and ecosystems of these unusual animals.

Lesson 1 – Reptiles, Amphibians, and Fish  
Lesson 2 – Turtles  
Lesson 3 – Snakes  
Lesson 4 – Lizards  
Lesson 5 – Crocodilians  
Lesson 6 – Tuataras  
Lesson 7 – Frogs and Toads, Part 1  
Lesson 8 – Frogs and Toads, Part 2  
Lesson 9 – Newts and Salamanders  
Lesson 10 – Caecilians  
Lesson 11 – Fish Features  
Lesson 12 – Saltwater Fish  
Lesson 13 – Freshwater Fish