



Falcon International School

Course Description

Third Grade

Science

This year students will begin to understand how living things grow and change in the world around them. Through pictures and hands on activities the children will gain knowledge about how ecosystems thrive and how weather patterns form. They will experiment with energy, light, force and motion.

After successfully completing this course students will be able to...

- Understand how living things are different
- Understand the differences between the various ecosystems
- Understand how rocks are formed
- Understand weather patterns and how the seasons affect the earth
- Understand energy, light, sound and motion

Course Content

Unit A- Living Things in Our World

- Lesson 1: What are some types of living things?
- Lesson 2: How do Living Things Grow and Change?
- Lesson 3: What do Plants Need to Live?
- Lesson 4: What are Some Types of Plants?
- Lesson 5: How do Plants Make Food?
- Lesson 6: What do Animals Need to Live?
- Lesson 7: What are Vertebrates?
- Lesson 8: What are Invertebrates?

Unit B- Living Things Interact

- Lesson 1: What are Ecosystems?
- Lesson 2: What are some Types of Ecosystems?
- Lesson 3: How do Living things Survive in Ecosystems?
- Lesson 4: How do Ecosystems Change?
- Lesson 5: How do Plants and Animals Interact?
- Lesson 6: What are Food Chains?
- Lesson 7: What are Food Webs?

Unit C- Minerals and Rocks

- Lesson 1: What are Minerals and Rocks?
- Lesson 2: What are the Types of Rocks?
- Lesson 3: What are Fossils?
- Lesson 4: What are Landforms?
- Lesson 5: How do Landforms Change Slowly?

Lesson 6: How do Landforms Change Quickly?
Lesson 7: What are Some Types of Resources?
Lesson 8: What are some Types of Soil?
Lesson 9: How do People Use the Environment?
Lesson 10: How can resources be Used Wisely

Unit D- Weather and Space

Lesson 1: Where is Water Found on Earth?
Lesson 2: What is the Water Cycle?
Lesson 3: What is weather?
Lesson 4: What Causes Earth's Seasons?
Lesson 5: How do Earth and the Moon Interact?
Lesson 6: What is the Solar System?

Unit E- Exploring Matter

Lesson 1: What is Matter?
Lesson 2: What are the States of Matter?
Lesson 3: How Does Matter Change?
Lesson 4: What is Energy?
Lesson 5: How Can Energy be Used?
Lesson 6: Why is Energy Important?
Lesson 7: What is Electricity?
Lesson 8: What are Magnets?
Lesson 9: How are Electricity and Magnets Related?
Lesson 10: What is Heat?
Lesson 11: What is Light?
Lesson 12: How are Light and Color Related?
Lesson 13: What is Sound?

Unit F- Energy in Motion

Lesson 1: What is Motion?
Lesson 2: How Can Energy be Used?
Lesson 3: Why is Energy Important?
Lesson 4: What is Work?
Lesson 5: What are Some Simple Machines?
Lesson 6: What are Some Other Simple Machines?