



Falcon International School

Course Description

Fourth and Fifth Grade

Science

This year students will begin to understand how living things grow and change in the world around them. Using games and hands on activities students will gain knowledge about the digestive system and the rest of the human body. The children will work with rock cycles and landforms. They will study weather patterns, laws of motion and the solar system.

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

- Understand how cells function in the body
- Understand how living organisms work and how plants grow
- Understand how energy affects people and ecosystems
- Understand what a rock cycle is and how landforms are created
- Understand what causes weather patterns
- Understand the solar system
- Understand the laws of motion

Course Content

Cells to Body Systems

- Cells
- How do cells work together
- Body systems
 - Digestive system

Classify Living things

- Grouping living things
- Vertebrates and Invertebrates

Plant Growth and Reproduction

- Plant Growth
- Plant Reproduction

Animal Growth and Heredity

- Cell division and growth
- Inherited characteristics
- Factors that affect characteristics

Energy and Ecosystems

- Plants Produce food
- Energy and Ecosystems

Ecosystems and Change

- Organisms compete and survive
- Change of ecosystems over time
- People and Ecosystems

The Rock Cycle

- Minerals
- Rock Formation
- Rocks Change

Fossils

- Fossils and Earth
- Fossils and living things today

Changes to Earth's Surface

- Earth's landforms
- Changes to Earth's landforms
- Movement and Changes

Using Resources

- Soil and water resources

Conserving resources

Weather and the Water Cycle

- Causes of weather
- Conditions that affect the water cycle
- Observable patterns

Earth's Oceans

- Oceans
- Water movement
- Forces shape shorelines

Earth Moon and Beyond

- Earth's orbit and seasons
- Earth and the Moon

Solar System

Properties of matter

- Structure of matter
- Physical properties and changes
- Chemical properties and changes

Energy

- Kinetic and potential energy
- Forms of energy
- Transfer of heat
- Using energy resources

Electricity

- Electricity and Magnetism
- Static and current electricity
- Electric circuits

Forces and Motion

- Forces and objects on Earth
- Balanced and unbalanced forces
- Work and measurement

Motions

- Factors that affect motion

Laws of motion