

What will I learn in 4th Grade Science?



Module 1:

- Introduction to Creation
- The Third and Fourth Day of Creation
- The Fifth and Sixth of Creation
- Unique Animals
- Animals Assignment
- The Seventh Day of Creation and Review
- Creation Review Game
- Creation Project

Module 2:

- Welcome to the Solar System
- What Do You Know? Assignment
- The Earth
- Seasons
- Gravity
- Solar System
- Our Sun
- Lunar and Solar Eclipses
- The Sun, Lunar and Solar Eclipse
- Vocabulary
- Our Sun and Eclipses Review
- All About Our Moon
- Phases of the Moon
- Phases of the Moon Assignment
- Galaxies
- Stars
- Stars Assignment

Module 3:

- The Planets Introduction
- Daily Planet Project
- Planet Project, Mercury
- Planet, Project, Mercury Assignment
- Planet Project, Venus
- Planet Project, Earth
- Planet Project, Earth and Venus Assignment
- Planet Project, Mars
- Planet Project, Jupiter
- Planet Project, Mars and Jupiter Assignment
- Planet Project, Saturn
- Planet Project, Uranus
- Planet Project, Neptune
- Planet Project, Saturn, Uranus,
and Neptune Assignment
- Relative Size of Planets Assignment



Module 4:

Introduction to the Scientific Method
Observations and Scientific Questions
What I Wonder Assignment
Hypothesis
Experiment and Results/Conclusion
Weather Introduction
Tracking the Weather
The Water Cycle
Water Cycle Experiment
Types of Clouds
Continue Observing Clouds and Tracking
the Weather
Create the Clouds Project
Weather Instruments
Weather Instruments Notes Assignment
Warm Fronts and Cold Fronts
Weather Review
Cloud Observations and Create the Clouds
Project
Cloud Observation and Create the Clouds
Submission
High and Low Pressure
Weather Forecasting
Be a Meteorologist
Be a Meteorologist Assignment
Weather Tracker Submission

Module 5:

Welcome to Extreme Weather and Natural
Disasters
Hurricanes
Thunderstorms
Convection Currents
Tornadoes
Tornado in a Jar
Floods
Landslides
Winter Storms
Snowstorm in a Jar Assignment
Droughts
Earthquakes
Tsunamis
Wildfires
Volcanoes
Earthquakes, Tsunamis, Wildfires, and
Volcanoes Assignment
Build Your Own Volcano Assignment
Color Changing Milk
Instant Ice
Gumdrop Bridge Challenge
Color-Changing Milk or Instant Ice
Assignment
Hoop Gliders
Gumdrop Bridge or Hoop Gliders Assignment



Module 6:

Plants Introduction

Parts of a Plant

Parts of a Flower

Parts of a Flower Assignment

Unusual Plants

Photosynthesis

Photosynthesis Assignment

Plant Life Cycle

The Importance of Bees and Insects
Activity

The Importance of Bees and Insects
Assignment

Are All Bugs Insects?

Create an Insect or Arachnid

Insect or Arachnid Project

Complete and Incomplete
Metamorphosis

Module 7:

Ecosystems Introduction

World Biome Assignment

The Tundra Biome

The Taiga Forest Biome

The Temperate Forest Biome

Biome Research Assignment

The Tropical Rainforest Biome

The Grasslands Biome

The Savanna Biome

The Desert Biome

Terrestrial Biome Research Template

Terrestrial Biome Diorama Assignment

The Marine Biome

The Fresh Water Biome

The Wetlands Biome

Ecosystems Review

Aquatic Biome Research Template

Aquatic Biome Diorama Assignment



Module 8:

Physical Adaptations

Camouflage

Mimicry

Behavioral Adaptations

Animal Adaptation

Animal Adaptations Assignment

Design an Animal Activity

Design an Animal Activity Assignment

Producers, Consumers, and Decomposers

Herbivores, Omnivores, and Carnivores

Food Chains and Food Webs

Food Web Activity

Food Chain Assignment

Food Web Assignment

Review Paragraph Assignment

Module 9:

Introduction to Rocks

What About the Rock? Assignment

Layers of the Earth

The Rock Cycle

Rock Types

Review of Rocks

Rock Discovery Assignment

Erosion

How to Prevent Erosion Assignment

Mineral and Ores

Precious and Semiprecious

Natural Resources

Renewable Resources

Nonrenewable Resources

Design a Town That Uses Renewable Energy

Sources Assignment

Resources Conservation and Preservation

Introduction to Topography

Watersheds

Draw a Watershed Assignment

Water Resources

Above and Below Ground

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Module 10:

What is Friction?

Friction Experiment

Friction Experiment Assignment

Force and Motion

Speed and Velocity

Types of Energy

Potential Energy

Kinetic Energy

Mechanical Energy

Types of Energy Notes Assignment

Energy Presentation

Energy Presentation Assignment

What is Electricity?

What Uses Electricity? Assignment

Batteries and Power Sources

Static and Dynamic Energy

Electrical Circuits

Electricity, Light, and Heat

Electrical Pioneers

Electrical Pioneers Assignment

Electromagnets

Energy Presentation

Energy Presentation Assignment

Review Paragraph Assignment