

What will I learn in 5th Grade Science?



Module 1:

Introduction to Creation

Creation Day 1

Creation Day 2

Chateration Day 3

Picture God's Beginning Assignment

Creation Day 4

Creation Day 5

Creation Day 6

All God's Creations Assignment

Creation Day 6 and 7

Module 2:

Introduction to the Scientific Method

Asking Questions

Background Research and Hypothesis

Background Research Journal Entry

Variables

Designing an Experiment

Testing a Hypothesis and Recording

Observations

Experiment Questions and Hypothesis

Analysis of Data and Conclusion

Communicating Results

Mini Science Experiment

Experiment Design

Test and Observe

Mid-Point Science Notebook Report

Assignment

Module 2 (continued):

Data Analysis and Conclusion

Design a Lab Report

Introduction to the Engineering Process

Engineering Design Problems

Exploring

Brainstorming

Research Practice Assignment

Planning and Designing

Creating a Prototype

Creating a Prototype Assignment

Testing and Redesigning the Prototype

Improve the Design and Retest

Sharing Results

Sharing Results Assignment

Engineering Designing Project (Problem and Explore)

Engineering Design Project (Brainstorm, Plan, and Design)

Engineering Designing Project (Build, Test and Improve)

Engineering Designing Project (Retest and Sharing Results)

Engineering Designing Project Assignment

Engineering Designing Reflection

What You Know Assignment



Module 3:

Introduction to Matter
Properties of Matter
Chemical and Physical Properties
Chemical and Physical Changes
Create a Mixture Assignment
Atom Elements and Molecules
States of Matter
Matter Lab
Oobleck Matter Lab Assignment

Module 4:

Introduction to Energy
Forms of Energy
Mechanical Energy
Mechanical Energy Project
Mechanical Energy Poster Assignment
Energy from the Sun
Thermal Energy
Transfer of Energy
Transfer of Energy Tree Assignment
Conductors and Insulators
Conservation of Energy
Rube Goldberg
Rube Goldberg Facts Assignment
Rube Goldberg Activity
Rube Goldberg Plan
Rube Goldberg Activity Continued
Rube Goldberg Summary Assignment

Module 5:

Introduction to Force and Motion
Forces in Nature
Balanced and Unbalanced
Forces in Fluid
Buoyancy Assignment
Simple Machines
Motion
Speed vs Acceleration Assignment
Force, Mass, and Motion
Motion, Mass and Gravity Poster Assignment
First Law of Motion
Second of Motion
Second Law of Motion Assignment
Third Law of Motion
Third Law of Motion Assignment
Laws of Motion Project
Letter to Sir Isaac Newton Assignment
Lesson Review Assignment

Module 6:

Introduction to Electricity

Static Electricity

Static Electricity and Electric Discharge
Assignment

Current Electricity

Conductors and Insulators of Electricity

Conductors vs Insulators Assignment

Electric Circuits

Circuit Lab

Circuit Lab Assignment

Open and Closed Circuits

Series vs. Parallel Circuits

Magnetism

Compass Activity

Electromagnetism

Electromagnets around the House
Assignment

Magnets Board Game

Module 7:

Introduction to Sound

Sound Waves

Sound Wave Model

Amplitude and Loudness

Amplitude Assignment

Sound Wave Model Assignment

Frequency and Pitch

The Doppler Effect

Doppler Effect Comic Strip Assignment

Frequency and Pitch

The Doppler Effect Comic Strip
Assignment

Transmission of Sound

Sound Magazine



Module 8:

Introduction to Light

Transverse Waves

Electromagnetic Spectrum

Visible Spectrum of Light

Mnemonic Assignment

Properties of Light

Reflection of Light

Reflection Activity

Reflection Assignment

Absorption of Light

Reflection of White and Black Assignment

Transmission of Light

Transmission of Light Activity

Transmission of Light Assignment

Lenses and Refraction

Light Presentation

Light Presentation Assignment

Sound Magazine Assignment

Magnets Board Game Assignment



Module 9:

Introduction to Geology

Assignment KWL

Earth's Structure

Earth's Size and Shape

Minerals

Rocks

Rock Cycle

Rock Cycle Assignment

Plate Tectonics

Plate Tectonic Activity

Boundaries Assignment

Earthquakes

Earthquake Book

Earthquake Book Assignment

Volcanoes

Volcano Models

Weathering Soil

Erosion and Deposition

Comic Strip

Comic Strip Assignment

Module 10:

Introduction to Earth's Resources

Natural Resources

Poster Assignment

Renewable Resources

Nonrenewable Resources

Energy Resources

If/Then Statements Assignment

Fossil Fuels

Geothermal Energy

Nuclear Energy

Student-Made Quiz Assignment

Renewable Energy

Public Service Announcement Assignment

Renewable Material Resources

Nonrenewable Material Resources

Postcard From the Future Assignment

Conservation of Energy Resources

Poem Assignment

Conservation of Material Resources

Conservation of Wildlife

Poster Project

Conservation Poster Assignment