

Scope and Sequence

Truth in Science - Science Criteria for Content (Breakdown by Grade Level and Unit)

Grades 3-4		Grades 5-6
Life	Science as a human endeavor Science as inquiry The characteristics of organisms Life cycles of organisms Types of resources Organisms and environments Changes in environments Characteristics and changes in populations	Science as a human endeavor Nature of science Science as inquiry Structure and function in living systems Reproduction and heredity Regulation and behavior Populations and ecosystems Diversity and adaptations of organisms Populations, resources, and environments
	Types of resources Changes in environments Changes in earth and sky Properties of earth materials Objects in the sky	Populations, resources, and environments Natural hazards Structure of the earth's system Earth's history Earth in the solar system
	Understanding about science and technology Abilities of technological design Distinguish between natural and man-made objects Science and technology in local challenges	Abilities of technological design Understanding about science and technology Science and technology in society

Grade 4 - Science Standards for Content (Breakdown by Chapter)

Chapter 1 - Worldview		Science Criteria Content
<ul style="list-style-type: none"> Introduce Worldview What is Viewpoint? What is Worldview? What is Evolution 	<ul style="list-style-type: none"> Contrasting Worldviews—Creation and Evolution Non-Biblical Creation Models What is the Scientific Method? Dinosaur Exhibit 	Science as a human endeavor Science as inquiry
Chapter 2 - Classification		
<ul style="list-style-type: none"> Introduce Classification What is Classification? Building Blocks of Life Grouping Living Things 	<ul style="list-style-type: none"> Plants Classified Animals Classified How Can I Classify Beans? A Day in the Life of a Critter 	Science as a human endeavor Science as inquiry The characteristics of organisms
Chapter 3 - Plants		
<ul style="list-style-type: none"> Introduce Plants New Life Plant's Energy Features Plant Parts 	<ul style="list-style-type: none"> Plant Reproduction Plant Life Cycle How Does a Seed Germinate? How Does a Tree Grow? 	The characteristics of organisms Life cycles of organisms Organisms and environments
Chapter 4 - Animals and Humans		
<ul style="list-style-type: none"> Introduce Animals and Humans Silkworm Growth Frog, Bird, Turtle: Growth and Change Over Time Grasshopper, Butterfly: Metamorphosis 	<ul style="list-style-type: none"> Fish, Mammal, Man: Growth and Change Over Time Evolution or Creative Design? How Do Animals Adapt? Animal Life Cycle 	Science as a human endeavor The characteristics of organisms Life cycles of organisms Organisms and environments Characteristics and changes in populations



Chapter 5 - Ecology

- Introduce Ecology
- What is an Ecosystem?
- Parts of an Ecosystem
- Energy and Matter Flow

- Balance and Interaction
- Changing Environments and People
- How Can I Clean Polluted Water?
- Save the Wetlands

Science as a human endeavor
Changes in earth and sky
Changes in environments

Chapter 6 - Meteorology

- Introduce Meteorology
- Growing Balloon
- Earth's Water
- Water, Air and the Weather

- Air Masses
- Measure and Predict Weather
- How Hot Are You?
- Weather Around the World

Changes in earth and sky
Changes in environments
Properties of earth materials
Types of resources

Chapter 7 - Geology

- Introduce Geology
- Growing Fireworks
- Minerals
- Rocks and Fossils

- Slow Changes to the Earth's Surface
- Rapid Changes to the Earth's Surface
- How Hard are Minerals?
- Weathering Effects

Science as a human endeavor
Types of resources
Properties of earth materials
Changes in environments
Changes in earth and sky

Chapter 8 - Earth's Resources

- Introduce Earth's Resources
- Collecting Sunlight
- Natural Resources
- Resources for Energy

- Technology
- Technology in Communications and Transportation
- Does Mining Affect the Land?
- Resources in Your House

Science as a human endeavor
Types of resources
Organisms and environments
Changes in environments
Characteristics and changes in populations
Distinguish between natural and man-made objects
Science and technology in local challenges

Chapter 9 - Astronomy

- Introduce Astronomy
- Eclipse of the Sun
- The Universe
- The Solar System

- Patterns in the Sky
- Earth's Movements
- How Far Apart are Planets?
- Life of an Astronaut

Objects in the sky
Changes in earth and sky

Chapter 10 - Matter

- Introduce Matter
- What Powder is it?
- Matter
- Measuring Matter

- Changes in Matter
- Mixing Substances
- Kool-Aid
- pH and Chemical Reactions

Distinguish between natural and man-made objects
Science and technology in local challenges
Properties of earth materials

Chapter 11 - Forces and Energy

- Introduce Forces & Energy
- Vibrations
- Describing Motion
- Force and Motion

- Work and Simple Machines
- Energy
- Does Electricit Travel in a Circuit?
- The Electromagnetic Spectrum

Science as a human endeavor
Understanding about science and technology
Abilities of technological design
Distinguish between natural and man-made objects
Science and technology in local challenges