

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
Earth	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
Physical	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 3 - Science Standards for Content (Breakdown by Chapter)

Chapter 1 - Worldview		Science Criteria Content
<ul style="list-style-type: none"> Introduce Worldview What is Viewpoint? Two Models of How the World Began Bridge of Bible History 	<ul style="list-style-type: none"> What is Evolution? What Happened to the Dinosaurs? What is the Scientific Method? Dinosaurs: Fact or Belief? 	Science as a human endeavor Science as inquiry
Chapter 2 - Classification		
<ul style="list-style-type: none"> Introduce Classification How are living things grouped? Living and Non-Living Things Grouping Plants 	<ul style="list-style-type: none"> Grouping Animals with Backbones Grouping Animals without Backbones What Makes Thing Unique? What Makes Animals Different? 	Science as a human endeavor Science as inquiry The characteristics of organisms
Chapter 3 - Plants		
<ul style="list-style-type: none"> Introduce Plants How are Seeds Different? Main Parts of Plants Roots and Stems 	<ul style="list-style-type: none"> New plants Comparing Plants from the Past What Makes a Seed? What Makes a Leaf? 	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 Butterfly Growth Life cycle of a Butterfly Life cycles: Mammals and Humans 	<ul style="list-style-type: none"> Evolution or Creative Design? Animals from the Past Camouflage Animal Baby-sitter 	Science as a human endeavor The characteristics of organisms Life cycles of organisms Organisms and environments Characteristics and changes in populations



Chapter 5 - Meteorology		
<ul style="list-style-type: none"> • Introduce Meteorology • How do Clouds Form? • Earth's Water • Changing Forms of Water 	<ul style="list-style-type: none"> • Weather • Weather's Effect on People • How Many Breaths? • What's the Weather Like In...? 	Science as a human endeavor Changes in earth and sky Changes in environments
Chapter 6 - Geology		
<ul style="list-style-type: none"> • Introduce Geology • Fossils • Rocks and Minerals • Soil and Earth's layers 	<ul style="list-style-type: none"> • Volcanoes and Earthquakes • Weathering and Erosion • How Does Water Change Land? • What's Inside the Earth? 	Changes in earth and sky Changes in environments Properties of earth materials Types of resources
Chapter 7 - Earth's Resources		
<ul style="list-style-type: none"> • Introduce Earth's Resources • Got Paper? • Material Resources • Protecting and Reusing 	<ul style="list-style-type: none"> • Technology • Technology Helps Us Get Energy • Bird Hop, Skip and Jump • Junk Mail 	Science as a human endeavor Types of resources Properties of earth materials Changes in environments Changes in earth and sky
Chapter 8 - Ecology		
<ul style="list-style-type: none"> • Introduce Ecology • Food-Water-Shelter game • Ecosystems • Ecosystem Basics 	<ul style="list-style-type: none"> • Living Together and Energy • Environments Change • Ecosystem for a Pill Bug • My Favorite Ecosystem 	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		
<ul style="list-style-type: none"> • Introduce Astronomy • Planets Coloring Book • Earth's Movements • Moon's Movements and Shapes 	<ul style="list-style-type: none"> • The Sun • The Eight Planets • Spin and Shadows • What do Astronauts Eat? 	Objects in the sky Changes in earth and sky
Chapter 10 - Matter		
<ul style="list-style-type: none"> • Introduce Matter • What is It? • Describing Matter • Measuring Matter 	<ul style="list-style-type: none"> • Physical Changes • Chemical Changes • Properties of a Cookie • Cook at Home 	Distinguish between natural and man-made objects Science and technology in local challenges Properties of earth materials
Chapter 11 - Forces and Energy		
<ul style="list-style-type: none"> • Introduce Forces and Energy • A Ball in Motion • Describing Motion • Forces and Motion 	<ul style="list-style-type: none"> • Work and Simple Machines • Energy • Car Race • Levers in the Body 	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