

Scope & Sequence

SCIENCE • Elementary School (Gr. 3–5)



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Earth Science

Earth's Spheres
How Do Fossil Fuels Form?
Interactions of Earth's Spheres
Minerals and Their Properties
Natural Hazards
Nonrenewable Energy Resources
Patterns of Daily Change
Patterns of Earth's Features
Protecting Earth
Recycling
Renewable Energy Resources
Seasonal Changes in Stars
Seasons and Weather
Soil and How It Is Formed
The Phases of the Moon
The Planets
The Sun
Understanding Earth's Changes
Understanding the Water Cycle
Weather Data in Tables and Graphs
Weather-Related Hazards
Weathering and Erosion
What Are Asteroids?
What Are Comets?
What Are Moons?
What Is Climate?
What Is Weather?
Where Is Earth's Water Found?

ETS (Engineering)

What Is the Design Process?

Life Science

Animal Habitats
Animal Responses
Animal Senses
Animal Structures
Changes in the Environment
Comparing Vertebrates and Invertebrates
Desert Habitats
Energy in Food
Extinct Plants and Animals
Flowering and Nonflowering Plants
Food Chains and Food Webs
Forest Habitats
Fossils and Evidence of Life
Freshwater Habitats
Grassland Habitats
Group Behavior
Hibernation and Migration
How Humans Change Environments
Life Cycles of Animals
Life Cycles of Flowering Plants
Marsh Habitats
Materials for Plant Growth
Ocean Habitats
Plant Responses
Plant Structures
Producers, Consumers, and Decomposers
Rainforest Habitats
Structure and Function of Flowers
Survival and Differences Among Organisms
The Brain
The Heart
The Lungs
The Skin
The Stomach
Traits and the Environment
Tundra Habitats

Types of Fossils and How They Form
What Are Adaptations?
What Are Amphibians?
What Are Arthropods?
What Are Birds?
What Are Fish?
What Are Mammals?
What Are Reptiles?
What Is a Trait?

Physical Science

Balanced and Unbalanced Forces
Conductors and Insulators
Conservation of Matter
Designing a Device That Converts Energy
Electric Currents and Circuits
Energy and Colliding Objects
Energy Conversions
Energy Transfer
Gravitational Force
Heat
Mass and Weight
Patterns of Motion
Patterns Transfer Information
Properties of Matter
Sound Energy
Speed and Energy
States of Matter
Using Magnets to Solve Problems
What Are Chemical Reactions?
What Are Electric and Magnetic Interactions?
What Are Forces?
What Are Mixtures and Solutions?
What Are Waves?
What Is Friction?
What Is Light?
What Is Matter?
What Is Mechanical Energy?



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Scope & Sequence

SCIENCE • Middle School (Gr. 6–8)



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Earth Science

Air Masses and Weather
Asteroids
Characteristics of the Sun
Climate Change
Comets
Comparing Stars
Desertification
Earth System and Subsystems
Earth's Atmosphere-Structure and Components
Eclipses
Historical Models of the Solar System
How Human Activity Influences Watersheds
Introduction to Climate
Introduction to Natural Hazards
Lunar Phases
Measuring Distances in Space
Monitoring and Minimizing Human Impact
Moons
Motion in Space
Natural Resources
Newton's Third Law
Organization of Ecosystems
Patterns in the Fossil Record
Plate Movements
Seasons
Technology for Observing and Exploring Space
The Geologic Time Scale
The Layers of Earth
The Rock Cycle
The Solar System
The Water Cycle
Volcanoes

Weathering and Other Changes to Earth's Surface
What Are Galaxies?
What Are Glaciers?
What Causes Tides?
What Conditions Allow Life on Earth?
What Is Radioactive Dating?

ETS (Engineering)

Engineering and the Design Process

Life Science

Animal Behaviors Affecting Reproduction
Biodiversity
Cells
Cellular Respiration
Classifying Living Things
Comparing Meiosis and Mitosis
Comparing Prokaryotes and Eukaryotes
Cycles of Matter: Carbon
Ecosystems: Impacts of Change
Genes, Chromosomes, and Traits
Growth of Organisms
Human Impacts on Earth's Systems
Humans Influence Inheritance of traits
Infectious Agents: Bacteria
Infectious Agents: Fungi
Infectious Agents: Parasites
Infectious Agents: Viruses

Materials in Food Are Used for Growth

Matter and Energy in Food Webs

Mutations

Natural Selection

Parts of a Cell

Patterns in Development

Plant Reproduction

Predators and Prey

Primary and Secondary Succession

Punnett Squares and Pedigrees

Reproduction

Resources in Ecosystems

Sensing Information

The Human Circulatory System

The Human Endocrine System

The Human Excretory System

The Human Immune System

The Human Muscular System

The Human Nervous System

The Human Respiratory System

Thermal Energy Transfer

Understanding Adaptation

Physical Science

Changes in Kinetic Energy

Chemical Changes Affect Properties

Chemical Reactions

Chemical Reactions and Energy

Chemical Symbols and Formulas

Comparing Mass and Weight

Comparing Properties of Matter

Conservation of Matter in Chemical Reactions

Digital and Analog Signals

Electric and Magnetic Forces

Elements and Compounds

Energy and Temperature Change

Energy Transformation

Fields and Forces

Forces and Motion

Graphing Motion (Distance versus Time Graphs)

Gravitational Interactions

Identifying Types of Elements

Inferring Evolutionary Relationships

Interactions in Ecosystems

Kinetic Energy

Light

Organization of the Human Body

Photosynthesis

Potential Energy

Structure of Matter

Substances, Heterogenous Mixtures, and Solutions

Synthetic Materials

The Electromagnetic Spectrum

The Properties of Water

The Structure of Atoms

Thermal Energy and States of Matter

Using the Periodic Table

Wave Properties

What Are Acids and Bases?



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SOCIAL STUDIES • Elementary School
(Gr. 3–5)



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Civics & Government

Citizens Take Action
How Laws Are Made
Pollution
State and Federal Governments
The Purpose and Role of Governments
The Three Branches of Government
The U.S. National Anthem
Voting and Elections
What Are Taxes?
What Is Citizenship?

Economics

Earning, Saving, and Spending Money
Saving and Investing Money
Trade in Our Economy
What is an Economy?
What is the Stock Market?

Geography

Climate and Natural Resources in the United States
Communities and Cultures Around the World
Continents and Oceans
Cultures and People in North America
Geography and Human Settlements
Landforms and People
Latitude and Longitude
Maps and Globes
Regions of the United States
Regions of the United States: The Northeast
Regions of the United States: The Southeast

Regions of the United States: The Southwest
Regions of the United States: The West
States and Capitals
Using a Globe
What is Culture?

US History

American Indian Nations of California
American Indian Nations of the Arctic
American Indian Nations of the Great Basin
American Indian Nations of the Northeast
American Indian Nations of the Northwest Coast
American Indian Nations of the Plains
American Indian Nations of the Plateau
American Indian Nations of the Southeast
American Indian Nations of the Southwest
American Indian Nations of the Subarctic
American Revolution: Battles and Outcomes
Causes of the American Revolution
Daily Life in the American Colonies
First and Second Continental Congress
Founders and Patriots
Frederick Douglass and Abraham Lincoln
Harriet Tubman and the Underground Railroad
Historical Documents of the American Revolution
Immigration to the United States (1789–1800)
Indigenous Culture
Leaders and Founders of North American Colonies
Martin Luther King, Jr.
Moving People and Goods in the 19th Century

Primary and Secondary Sources
Reconstruction After the Civil War
The Constitution of the United States: What Does it Say?
The Founding of St. Augustine, Florida
The Middle Passage and the North American Colonies
The Thirteen Colonies
Timelines
Two Cultures Meet: The Fur Trade in North America
United States Holidays
Westward Expansion and American Indian Nations
Westward Expansion of the United States
What Are the Articles of Confederation?
What is the Constitution of the United States?
What Is the Declaration of Independence?
What Was the American Revolution?
What Was the Civil War?
What was the Great Depression?
What Was the War of 1812?
Women and the American Revolution

World History

Explorers During the Age of Exploration
Inventions that Shaped European Exploration
The Aztec and Maya Civilizations
The First Human Migration 25,000 Years Ago
The Inca and Olmec Civilizations
The Triangular Trade



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SOCIAL STUDIES • Middle School (Gr. 6–8)



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Civics & Government

Rights and Responsibilities of Citizens

Economics

Economic Systems
Supply and Demand

Geography

Geographic Features
Humans and the Environment
Latitude and Longitude
Mountain Ranges and Rivers
Regions of the World

US History

13th, 14th and 15th Amendments
A Nation Separates
Abraham Lincoln
Articles of Confederation
Black Wall Street
Booker T. Washington
Child Labor and Unions
Chinese Workers on the Transcontinental Railroad
Civil Rights Movement
Civil War: The War Shifts at Gettysburg
Civil War: Union Victory (1865)
Crash of 1929 and the Beginning of the Depression
Declaration of Independence
Early Battles of the Civil War
Early Reconstruction
Ellis Island
FDR and the New Deal

Forms of Government
Frederick Douglass
Ida B. Wells
Industrialization of the United States
Inventors and Their Inventions
Life as an Immigrant - Angel and Ellis Island
Mexican Americans and the Growth of the Southwest
Plessy v. Ferguson
Presidential Elections
Prohibition and the 18th Amendment
Radical Reconstruction
Reconstruction: Aftermath
Shared Powers Under the United States Constitution
The 1920s
The American Revolution
The Bill of Rights
The Black Press and the Progressive Movement
The California Gold Rush
The Civil Rights Movement After Reconstruction
The Civil War Begins (1861)
The Compromise of 1850
The Constitution of the United States
The Dust Bowl and Effects of the Depression
The Emancipation Proclamation
The First Industrial Revolution
The Great Migration
The Harlem Renaissance
The Louisiana Purchase
The Louisiana Purchase: The Expedition
The Middle Passage
The Missouri Compromise
The Muckrakers and the Progressive Movement
The North and The South
The Progressive Era
The Reconstruction Era
The Spanish American War

The Steel and Oil Industries
The Transcontinental Railroad
The War of 1812: Battles and Outcomes
The War of 1812: Causes
Theodore Roosevelt: The Progressive President
Urbanization: The Growth of Cities
W.E.B. Dubois
Westward Expansion of the United States
Westward Expansion of the United States and American Indian Nations
Women Get the Vote
WWI: Battles
WWI: Causes
WWI: The War Ends

World History

Age of Exploration: Technology
Age of Exploration: Why Explorers Set Sail
Ancient China
Ancient Civilizations
Ancient Egypt
Ancient Greece
Aztec and Inca Civilizations
Early European Explorers: 1400s and 1500s
Early European Explorers: 1500s and 1600s
Hunter-Gatherers to Farmers
Olmec and Maya Civilizations
Silk Road
The Triangular Trade



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