

Premier Science (Frey Scientific)
 Correlated with
Reading Essentials in Science
 Perfection Learning Corporation

Premier Science Topics	Reading Essentials in Science Strands & Titles
<p align="center">Grades 5/6</p> <p>A. Earth / Space Science <u>Earth – The Water Planet</u></p> <ol style="list-style-type: none"> 1. Water Everywhere 2. Earth Atmosphere 3. Weather & Climate <p>B. Physical Science <u>Properties of matter</u></p> <ol style="list-style-type: none"> 1. Density 2. States of Matter 3. Mixtures & Solutions <p><u>Simple Machines</u> – (new unit, no description given)</p>	<p align="center">Grades 5/6</p> <p><u>Science in Social & Personal Perspectives - Global Issues</u></p> <ul style="list-style-type: none"> • Consumption and Waste • Energy Sources • Global Warming • Habitat Destruction • Keeping Our Food and Water Safe <p><u>Earth/Space Science – The Weather Report</u></p> <ul style="list-style-type: none"> • Erosion • Forecasting • Natural Disasters • Records and Oddities • Seasons and Patterns <p><u>Earth/Space Science – Down to Earth!</u></p> <ul style="list-style-type: none"> • Air and Wind • Earth Movements • Soil Science • Water, Water, Everywhere • What's Up with the Weather? A Look at Climate <p><u>Earth/Space Science – Forces of Nature</u></p> <ul style="list-style-type: none"> • Earthquakes • Floods • Hurricanes • Tornadoes • Volcanoes <p><u>Physical Science – The Material World</u></p> <ul style="list-style-type: none"> • Classifying/Grouping Materials • Measuring Matter • States of Matter <p><u>Physical Science – Science Works!</u></p> <ul style="list-style-type: none"> • Simple Machines <p><u>Physical Science – Chemistry Clues</u></p> <ul style="list-style-type: none"> • Mixtures and Solutions

C. Life Science

Diversity & Adaptation

1. Classification of Systems
2. Similarities & Differences
3. Common Ancestry
4. Biological Adaptation

Population & Ecosystems

1. Systems
2. Energy Transfer
3. Limiting Factors

Physical Science – How Things Are Made

- Glass: From Beads to Bottles to Windowpanes
- Metal: From Safety Pins to Statues
- Paper: From Books to Boxes
- Plastic: Bags, Boats, Bottles, and Brushes
- Textiles: Smooth as Silk or Bumpy as Burlap

Life Science – Living Wonders

- Adaptation and Survival
- Populations and Ecosystems
- Genetics
- Cells
- Staying Alive: Regulation and Behavior

Life Science – All About Animals

- Amphibians and Reptiles
- Birds
- Fish
- Insects
- Mammals

Life Science – Habitats

- At Home in the Ocean
- At Home in the Tropical Rain Forest
- A Home by the River
- At Hot Desert Home
- A Mountain Home

Life Science – Communities of Life

- Deserts
- Mountains
- Oceans
- Rivers
- Tropical Rain Forests

Science in Social & Personal Perspectives - Global Issues

- Consumption and Waste
- Energy Sources
- Global Warming
- Habitat Destruction
- Keeping Our Food and Water Safe

Grade 7

A. Earth / Space Science

Biography of the Earth

1. Scientific inquiry
2. Lithosphere
3. Rock cycle

B. Physical Science

Forces & Motion

1. Identifying Forces
2. Forces at Work
3. Objects in Motion

Sound

C. Life Science

Structure & Function

1. Cells, tissues & organs
2. Circulation & respiration
3. Digestion
4. Support & Movement

Behavior & Regulation

1. Regulations
2. Human Reproduction
3. Protection from Disease
4. Behavior

Grade 7

Earth/Space Science – Earth Explorations

- Fossils
- Geologic Time
- Rocks and Minerals
- Sedimentary Rocks
- The Water Cycle

Earth/Space Science – Amazing Space

- Are We Alone? The Case for Extraterrestrial Life
- Inside a Star
- Lights in the Sky
- Mysteries in Space: Cosmic Puzzles
- Telescopes: Exploring the Beyond

Physical Science – Energy Works!

- Electricity and Magnetism
- Heat
- Light
- Motion
- Sound

Life Science – The Human Body

- The Circulatory System
- The Digestive System
- The Nervous System
- The Respiratory System
- The Skeletal and Muscular Systems

Life Science – Living Wonders

- Adaptation and Survival
- Populations and Ecosystems
- Genetics
- Cells
- Staying Alive: Regulation and Behavior

Grade 8

A. Earth / Space Science

Earth in the Solar System

1. Objects in orbits
2. Gravity, moon, & tides
3. Stars & Galaxies

B. Physical Science

Transfer of Energy

1. Transfer of Heat Energy
2. Energy from the Sun
3. Electrical Energy

Structure & Changes of Matter

1. Atoms
2. Elements
3. Properties of Elements & Compounds
4. Characteristics of Chemical Reactions

C. Life Science

Genetics & Hereditary

1. Reproduction
2. Probability & Inheritance
3. Heredity

Grade 8

Earth/Space Science – Amazing Space

- Are We Alone? The Case for Extraterrestrial Life
- Inside a Star
- Lights in the Sky
- Mysteries in Space: Cosmic Puzzles
- Telescopes: Exploring the Beyond

Physical Science – Energy Works!

- Electricity and Magnetism
- Heat
- Light
- Motion
- Sound

Physical Science – Chemistry Clues

- Acids and Bases
- Atoms, Molecules, and Compounds
- Chemical Energy
- Chemical Reactions
- Mixtures and Solutions

Physical Science – How Things Are Made

- Glass: From Beads to Bottles to Windowpanes
- Metal: From Safety Pins to Statues
- Paper: From Books to Boxes
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Life Science – Living Wonders

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- Populations and Ecosystems
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- Staying Alive: Regulation and Behavior