

ATOMS AND MOLECULES

All About Atoms and Molecules
Looking at Atoms and Molecules
Structure of Atoms

Reactions, Mixtures, and Compounds

Atoms and Chemical Reactions
Mixtures and Compounds

Matter

All About Matter
Gases
Liquids
Solids

ELEMENTS AND PERIODIC TABLE

All About the Periodic Table
Carbon Cycle
Elements in Living Organisms
Metals
Nitrogen Cycle
Radioactivity and the Curies
Salts

ENERGY AND MATTER

All About Atoms and Molecules
All About Matter
Energy Crisis
Energy with Graphic Organizers
Forms of Energy

Electricity

Alexander Graham Bell and the Telephone
All About Electricity
Electricity In Our World
Thomas Alva Edison and the Light Bulb

Green Energy

Fossil Fuels
Geothermal Energy
Hydropower
Nuclear Energy
Solar Energy
Wind Energy

Heat

Heat
Heat and Temperature with Graphic Organizers

Light and Sound

All About Light
Rainbows
Solar Energy
Sound Waves

States of Matter

Gases
Liquids
Solids

FORCE AND MOTION

All About Force and Motion
Force and Motion with Graphic Organizers
Isaac Newton and Laws of Motion

Simple Machines

All About Simple Machines
Gears
Inclined Planes
Levers
Pulleys
Screws
Simple Machines with Graphic Organizers
Wedges
Wheels and Axles

Motion In Our World

- Airplanes
- Bicycles
- Boats
- Cars
- Motorcycles
- Spacecraft
- Trains

Gravity

- Gravity
- Gravity in Action: Roller Coasters
- Isaac Newton and Gravity

PHYSICAL SCIENCE AND OUR PLANET

Impact on the Environment

- Chemical Spills
- Global Warming
- Losing Our Ozone Layer
- Nuclear Disasters
- Oil Spills
- Pollution
- Rainforest Destruction

Green Energy

- Fossil Fuels
- Geothermal Energy
- Hydropower
- Nuclear Energy
- Solar Energy
- Wind Energy

SCIENTIFIC METHOD

- Forming Hypotheses
- Planning Investigations
- Collecting Information
- Evaluating Data
- Constructing Explanations
- Reporting Conclusions

TEMPERATURE AND MEASUREMENT

Measurement

- All About the Metric System
- Measuring Time

Understanding Temperature

- Fahrenheit, Celsius, and Their Temperature Scales
- Heat
- Heat and Temperature with Graphic Organizers

Weather and Temperature

- All About Climate Change
- Exploring the Sun
- Four Seasons
- Global Warming
- Rising Temperatures of the Past and Future
- Weather with Graphic Organizers