

Science IDEAS Energy Unit Outline

3rd Grade

Energy (strand B)
Forms of Energy
Heat
Conduction
Convection
Radiation
Light
Transmission
Reflection
Refraction
Scattering
Color
Absorption
Conservation of Energy
Nature of Science (strand H)
What science is
How science helps us
What scientists are like
How scientists think and work
Scientific methods
Scientific attitudes
Scientific process skills and abilities
Tools of science
Scientific apparatus
Scientific vocabulary
Measurements and computation

4th Grade

Energy (strand B)
Forms of Energy
Heat (review)
Conduction
Convection
Radiation
Force and Motion
Gravity
Newton's Laws
Friction
Magnetism
Sound
Producing sound
Wave nature of sound
Transmission of waves
Characteristics of sound
Pitch
Intensity
Conservation of Energy
Nature of Science (strand H)
How scientists think and work
Scientific methods
Scientific attitudes
Scientific process skills and abilities
Tools of science
Scientific apparatus
Scientific vocabulary
Measurements and computation

5th Grade

Energy (Strand B)
Force and Motion
Position
Speed
Velocity
Acceleration
Newton's Laws
Work & Simple Machines
Forms of Energy
Kinetic vs Potential
Heat (review)
Conduction
Convection
Radiation
Conservation of Energy
Nature of Science (strand H)
What science is
How science helps us
What scientists are like
How scientists think and work
Scientific methods
Scientific attitudes
Scientific process skills and abilities
Tools of science
Scientific apparatus
Scientific vocabulary
Measurements and computation