

OVERVIEW

Science IDEAS Curriculum Plan

GRADE 3

MATTER (strand A)

Properties of Matter
 Observing/measuring Matter
 States of Matter
 Changes of Matter
 Physical & Chemical

Nature of Science (strand H)

GRADE 4

REVIEW MATTER

Properties, phases & changes

REVIEW ENERGY

Forms & conservation of energy
 Thermal energy and Light

ADDITIONAL ENERGY

Sound

FORCE & MOTION (Strand C)

Newton's Laws
 Gravity

Nature of Science (strand H)

GRADE 5

REVIEW MATTER

Properties, phases & changes

ADDITIONAL MATTER

Atomic Structure
 Elements & Compounds
 Solutions & Mixtures

REVIEW ENERGY

Forms & conservation of energy
 Thermal, light and sound

Nature of Science (strand H)

ENERGY (strand B)

Forms of Energy
 Conservation of Energy
 Thermal Energy
 Light

Nature of Science (strand H)

PROCESSES THAT SHAPE

THE EARTH (strand D)

Water Cycle
 Rocks & Minerals
 Rock Cycle/Plate Tectonics
 Classification/Formation
 Forces that shape the land
 Erosion
 Earthquakes
 Land Structures
 Fossils

Nature of Science (strand H)

FORCE & MOTION (strand C)

Describing Motion
 Speed, velocity, acceleration
 Newton's Laws
 Types of Forces
 Gravity
 Friction
 Work & Power
 Potential vs Kinetic Energy
 Simple Machines

Nature of Science (strand H)

PROCESSES OF LIFE (strand F)

Living vs Nonliving
 Basic requirements for life
 Classification of living organisms
 Plants
 Characteristics
 Needs
 Structure
 Reproduction
 Animals
 Characteristics
 Needs
 Structure
 Classification

Nature of Science (strand H)

EARTH & SPACE (strand E)

The Sun (stars)
 Universe
 Earth/Moon/Sun System
 Phases of the Moon
 Tides
 Seasons
 Solar System

Nature of Science (strand H)

PROCESSES THAT SHAPE

THE EARTH (strand D)

REVIEW Water Cycle
 REVIEW Seasons
 Climates

LIVINGS INTERACT W/ THEIR ENVIRONMENT (strand G)

Biomes
 REVIEW Needs of plants & Animals
 Ecosystems
 Adaptations of plants & animals
 Conservation of resources

Nature of Science (strand H)

LIVINGS INTERACT W/ THEIR ENVIRONMENT (strand G)

Living things depend on one another
 Food Chains & Webs

Nature of Science (strand H)

PROCESSES OF LIFE (strand F)

REVIEW Animal structures & animal needs
 Body Systems of Mammals
 Digestive
 Respiratory
 Circulatory
 Nervous
 Muscular
 Skeletal

Nature of Science (strand H)

CUMULATIVE REVIEW

Weather
 Ocean Currents
 Atmospheric Currents
 Hurricanes & Tornadoes
 Pressure Systems
 Electricity
 Light & Color

APPLICATION PROJECTS

Nature of Science (strand H)