

Science Skills Taught

	Science as Inquiry	Physical Science	Life Science	Earth and Space Science	Personal and Social Perspectives
	<i>Provides context and hands-on experiences using the scientific method.</i>	<i>Develops understanding of matter and materials, force, and energy.</i>	<i>Develops understanding of living things: plants, animals, and ecosystems.</i>	<i>Develops understanding of astronomy, meteorology, seasons, air, hydrology and geology.</i>	<i>Develops understanding of environment, conservation, health, safety, observation, and inventions.</i>
Level One*	<ul style="list-style-type: none"> ✓ Scientist biographies ✓ Observe a simple system over time 	<ul style="list-style-type: none"> ✓ Materials, solids, and liquids ✓ Push/Pull and magnets 	<ul style="list-style-type: none"> ✓ Living and nonliving ✓ Plant or animal ✓ Labeling plants ✓ Categorizing animals ✓ Ecosystems: desert, ocean, mountain, and rainforest 	<ul style="list-style-type: none"> ✓ Sun, moon, constellations ✓ Seasons ✓ Water and clouds 	<ul style="list-style-type: none"> ✓ Pollution and recycling ✓ Five senses
Level Two*	<ul style="list-style-type: none"> ✓ Scientist biographies ✓ Science tools ✓ Science experiments 	<ul style="list-style-type: none"> ✓ Solid liquid gas ✓ States of water ✓ Properties of gravity 	<ul style="list-style-type: none"> ✓ Food chains ✓ Respiration ✓ How plants function ✓ Classify animals by structure and what they eat ✓ Additional ecosystems 	<ul style="list-style-type: none"> ✓ Earth ✓ Weather, weather tools and patterns ✓ Properties of air ✓ Properties and sources of water ✓ Rocks 	<ul style="list-style-type: none"> ✓ Uses of water ✓ Care of earth, air, and water ✓ Lightning safety ✓ Health: germs, exercise, rest, teeth, and food
Level Three*	<ul style="list-style-type: none"> ✓ Scientist biographies ✓ Science experiments 	<ul style="list-style-type: none"> ✓ Changes in matter ✓ Simple machines ✓ Sources and properties of light ✓ Electricity ✓ Heat sources, uses, and movement ✓ Sound waves, pitch, and volume 	<ul style="list-style-type: none"> ✓ Traits of living things ✓ Plant lifecycle and growth ✓ Animal lifecycle and growth ✓ Social insects 	<ul style="list-style-type: none"> ✓ Sun, moon, earth ✓ Moon patterns ✓ Water cycle ✓ Fossils ✓ Dinosaurs ✓ Rock cycle ✓ Soil 	<ul style="list-style-type: none"> ✓ Natural resources ✓ Inventions

* Children are placed in science based on age and grade in school.

Science – Level One

Learning Objective

Science Investigation

Sight

Hearing

Touch

Smell

Taste

Living or Nonliving

Plant or Animal

Plants

Sun

Water

Food from Plants

Mammals

Birds

Fish

Amphibians

Reptiles

Insects

Spiders

Worms

Invertebrates

Moon

Constellations

Clouds

Spring

Summer

Fall

Winter

Ecosystems Remediation

Deserts

Oceans

Mountains

Rainforests
Pollution and Recycling
Materials
Solid and Liquid
Push and Pull
Magnets

Science – Level Two

Learning Objective

Science Tools
Science Investigation Unit Assessment
Animal Bodies
Plants and Animals
Animal Groups
Herbivores, Carnivores, and Omnivores
Food Chains
Animals Unit Assessment
Polar Lands
Wetlands
Prairies
Backyards
Ecosystems
Ecosystems Unit Assessment
Functions of Plant Parts
Edible Plant Parts
Healthy Plants' Needs
Plant Uses
Plants Unit Assessment
Weather
Weather Tools
Weather Patterns
Lightning Safety
Weather Affects People and Animals
Weather Unit Assessment

Learning Objective

Air

Plants and Animals Need Air

Air Unit Assessment

Water

Animals Need Water

Plants Need Water

Water Uses

Water Sources

Water Unit Assessment

Care of Earth

Care of Air

Care of Water

Care of Earth Unit Assessment

Earth

Rocks

Rocks Unit Assessment

Solid, Liquid, Gas

States of Water

Matter Unit

Gravity

Physical Science Unit

Germs

Avoid Germs and Prevent Illness

Exercise and Rest

Teeth

Healthy Food

Health Unit Assessment

Science – Level Three

Learning Objective

Sun, Moon, and Earth

Moon Patterns

Astronomy Unit Assessment

Animal Life Cycle and Growth

Traits of Living Things

Social Insects

Plant Life Cycle and Growth

Life Science Unit Assessment

Water Cycle

Fossils

Dinosaurs

Fossils Unit Assessment

Natural Resources

Rock Cycle

Soil

Earth Science Unit Assessment

Light Sources

Light

Electricity

Light and Electricity Unit Assessment

Heat Sources and Uses

Heat Movement

Heat Unit Assessment

Changes in Matter

Sound Waves

Pitch and Volume

Sound Unit Assessment

Simple Machines

Inventions

Physical Science Unit Assessment