



Science Skills Taught | Overview

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

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



Level One

Learning Objective		
Science Investigation	Birds	Fall
Sight	Fish	Winter
Hearing	Amphibians	Ecosystems Remediation
Touch	Reptiles	Deserts
Smell	Insects	Oceans
Taste	Spiders	Mountains
Living or Nonliving	Worms	Rainforests
Plant or Animal	Invertebrates	Pollution and
Plants	Moon	Recycling
Sun	Constellations	Materials
Water	Clouds	Solid and Liquid
Food from Plants	Spring	Push and Pull
Mammals	Summer	Magnets

Level Two

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



Level Two

Learning Objective		
Care of Earth	Rocks Unit Assessment	Germ
Care of Air	Solid, Liquid, Gas	Avoid Germs and Prevent Illness
Care of Water	States of Water	Exercise and Rest
Care of Earth Unit Assessment	Matter Unit	Teeth
Earth	Gravity	Healthy Food
Rocks	Physical Science Unit	Health Unit Assessment

Level Three

Learning Objective		
Sun, Moon, and Earth	Fossils Unit Assessment	Heat Movement
Moon Patterns	Natural Resources	Heat Unit Assessment
Astronomy Unit Assessment	Rock Cycle	Changes in Matter
Animal Life Cycle and Growth	Soil	Sound Waves
Traits of Living Things	Earth Science Unit Assessment	Pitch and Volume
Social Insects	Light Sources	Sound Unit Assessment
Plant Life Cycle and Growth	Light	Simple Machines
Life Science Unit Assessment	Electricity	Inventions
Water Cycle	Light and Electricity Unit Assessment	Physical Science Unit Assessment
Fossils		
Dinosaurs	Heat Sources and Uses	