

Simply Science Curriculum

Grade	Earth Science	Life Science	Physical Science
K	<p><u>Growing Up</u></p> <p>the basic needs of a plant: light, water, soil, air; how a plant grows when its needs are met; soil is different in different places</p>	<p><u>Fluttery Friends</u></p> <p>the characteristics of a butterfly; the habitat of a butterfly; the life cycle of a butterfly; the food chain of a butterfly; why butterflies can be in danger</p>	<p><u>Sense-ibility</u></p> <p>eyes see, ears hear, skin feels, noses smell, and tongues taste; describe objects according to their physical properties; communicate information, classify objects, record information</p>
1	<p><u>Wild About Weather</u></p> <p>daily and seasonal weather changes; tools that measure the weather; collecting and interpreting weather data over time; predicting weather; weather in other parts of the country</p>	<p><u>Froggy Friends</u></p> <p>the characteristics of an amphibian; the habitat of an amphibian; the life cycle of an amphibian; the food chain of an amphibian; why amphibians can be in danger</p>	<p><u>What's This Stuff?</u></p> <p>properties of solids, liquids and gases; freezing, melting, condensing, and evaporating; heating and cooling change matter; how to recognize simple changes in matter</p>
2	<p><u>Rock and Roll</u></p> <p>soil is different in different places; rocks have different properties (hardness, texture, color, etc.); rocks have different uses</p>	<p><u>Feathered Friends</u></p> <p>the characteristics of a bird; the habitat of a bird; the life cycle of a bird; the food chain of a bird; why birds can be in danger</p>	<p><u>Physics FUNdamentals</u></p> <p>light can be reflected, refracted, or absorbed; sound is vibration; pitch; heat and its movement; electricity and its circuits; magnets attract iron, cobalt, and nickel; the Earth is a magnet</p>
3	<p><u>Meteorology and More</u></p> <p>daily and seasonal weather changes; tools that measure the weather; collecting and interpreting weather data over time; predicting weather; weather in other parts of the country</p>	<p><u>Formidable Friends</u></p> <p>the characteristics of an insect; the habitat of an insect; the life cycle of an insect; the food chain of an insect; why insects can be in danger</p>	<p><u>On the Move</u></p> <p>how objects move based on mass and gravity; recording the motion of objects; acceleration of objects moving downhill; friction causes things to change speed</p>
4	<p><u>Earth Changes</u></p> <p>wind and running water cause the Earth to change; some Earth change is rapid (quakes, tornadoes, volcanoes, etc.); some Earth change is slow (erosion, waves, wind, etc.)</p>	<p><u>Flipped Friends</u></p> <p>the characteristics of a marine mammal; the habitat of a marine mammal; the life cycle of a marine mammal; the food chain of a marine mammal; why marine mammals can be in danger</p>	<p><u>It Matters!</u></p> <p>the properties and qualities of solids, liquids and gases; freezing, melting, condensing, and evaporating; heating and cooling change matter; how to recognize simple changes in matter</p>
5	<p><u>What's Up?</u></p> <p>the sun moves through the sky; the phases of the moon; the orbit of the moon; the orbit of the planets; the Earth's place in the solar system</p>	<p><u>Furry Friends</u></p> <p>the characteristics of a mammal; the habitat of a mammal; the life cycle of a mammal; the food chain of a mammal; why mammals can be in danger</p>	<p><u>It Works!</u></p> <p>light is reflected, refracted, or absorbed; sound is vibration; heat is conducted, convected, or radiated; current electricity; magnets attracts iron, cobalt, and nickel; the Earth acts like a magnet</p>