

Scope and Sequence

Level 3 Year 1

Weather and Climate	
3.5A	Measure, test, and record physical properties of matter, including temperature, mass, magnetism, and the ability to sink or float.
3.8A	Observe, measure, record, and compare day-to-day weather changes in different locations at the same time that include air temperature, wind direction, and precipitation.
3.9C	Describe environmental changes such as floods and droughts where some organisms thrive and others perish or move to new locations.
Survival and Change	
3.9A	Observe and describe the physical characteristics of environments and how they support populations and communities of plants and animals within an ecosystem.
3.9C	Describe environmental changes such as floods and droughts where some organisms thrive and others perish or move to new locations.
3.10A	Explore how structures and functions of plants and animals allow them to survive in a particular environment.
3.10B	Investigate and compare how animals and plants undergo a series of orderly changes in their diverse life cycles such as tomato plants, frogs, and lady beetles.
Changing Earth	
3.7A	Explore and record how soils are formed by weathering of rock and the decomposition of plant and animal remains.
3.7B	Investigate rapid changes in Earth's surface such as volcanic eruptions, earthquakes, and landslides.
3.5C	Predict, observe, and record changes in the state of matter caused by heating or cooling such as ice becoming liquid water, condensation forming on the outside of a glass of ice water, or liquid water being heated to the point of becoming water vapor.
3.5D	Explore and recognize that a mixture is created when two materials are combined such as gravel and sand or metal and plastic paper clips.
Forces and Motion	
3.5A	Measure, test, and record physical properties of matter, including temperature, mass, magnetism, and the ability to sink or float.
3.6B	Demonstrate and observe how position and motion can be changed by pushing and pulling objects such as swings, balls, and wagons.
3.6C	Observe forces such as magnetism and gravity acting on objects.

Selected Topics**Food chains**

3.9B Identify and describe the flow of energy in a food chain and predict how changes in a food chain affect the ecosystem such as removal of frogs from a pond or bees from a field.

Matter

3.5A Measure, test, and record physical properties of matter, including temperature, *mass*, magnetism, *and the ability to sink or float*.

3.5B Describe and classify samples of matter as solids, liquids, and gases and demonstrate that solids have a definite shape and that liquids and gases take the shape of their container.

3.5C Predict, observe, and record changes in the state of matter caused by heating or cooling such as ice becoming liquid water, condensation forming on the outside of a glass of ice water, or liquid water being heated to the point of becoming water vapor.

3.5D Explore and recognize that a mixture is created when two materials are combined such as gravel and sand or metal and plastic paper clips.

Energy

3.6A Explore different forms of energy, including mechanical, light, sound, and thermal in everyday life.

3.8B* Describe and illustrate the Sun as a star composed of gases that provides light and thermal energy.

Solar System

3.8B* Describe and illustrate the Sun as a star composed of gases that provides light and thermal energy.

3.8C Construct models that demonstrate the relationship of the Sun, Earth, and Moon, including orbits and positions.

3.8D Identify the planets in Earth's solar system and their position in relation to the Sun.

Natural resources

3.7C Explore the characteristics of natural resources that make them useful in products and materials such as clothing and furniture and how resources may be conserved.

* 3.8.B will be addressed in Energy, Solar System, or both.