

The Sustainability Series and the South Carolina Science Standards

First Grade

Standard 1-2: The student will demonstrate an understanding of the special characteristics and needs of plants that allow them to survive in their own distinct environments.

(All)

Standard 1-3: The student will demonstrate an understanding of the features of the sky and the patterns of the Sun and the Moon.

(All)

Standard 1-4: The student will demonstrate an understanding of the properties of Earth materials.

(All)

Second Grade

Standard 2-2: The student will demonstrate an understanding of the needs and characteristics of animals as they interact in their own distinct environments.

(All)

Standard 2-3: The student will demonstrate an understanding of daily and seasonal weather conditions.

(Energy Conservation, Habitats, Water Cycle)

Standard 2-4: The student will demonstrate an understanding of the properties of matter and the changes that matter undergoes.

(Water Cycle)

Third Grade

Standard 3-2: The student will demonstrate an understanding of the structures, characteristics, and adaptations of organisms that allow them to function and survive within their habitats.
(Animal Adaptations, Habitats, Water Cycle)

Standard 3-4: The student will demonstrate an understanding of the changes in matter that are caused by heat.
(Energy Conservation, Water Cycle)

Fourth Grade

Standard 4-2: The student will demonstrate an understanding of the characteristics and patterns of behavior that allow organisms to survive in their own distinct environments.
(Animal Adaptations, Habitats, Pollution/Waste)

Standard 4-4: The student will demonstrate an understanding of weather patterns and phenomena.
(Water Cycle)

Standard 4-5: The student will demonstrate an understanding of the properties of light and electricity.
(Energy Conservation)

Fifth Grade

Standard 5-2: The student will demonstrate an understanding of relationships among biotic and abiotic factors within terrestrial and aquatic ecosystems.
(All)

Standard 5-3: The student will demonstrate an understanding of features, processes, and changes in Earth's land and oceans.
(Habitats, Pollution/Waste, Water Cycle)

Sixth Grade

Standard 6-2: The student will demonstrate an understanding of structures, processes, and responses of plants that allow them to survive and reproduce.

(All)

Standard 6-3: The student will demonstrate an understanding of structures, processes, and responses of animals that allow them to survive and reproduce.

(All)

Standard 6-4: The student will demonstrate an understanding of the relationship between Earth's atmospheric properties and processes and its weather and climate.

(Habitats, Water Cycle)

Standard 6-5: The student will demonstrate an understanding of the law of conservation of energy and the properties of energy and work.

(Energy Conservation, Water Cycle)

Seventh Grade

Standard 7-4: The student will demonstrate an understanding of how organisms interact with and respond to the biotic and abiotic components of their environment.

(All)

Eighth Grade

Standard 8-2: The student will demonstrate an understanding of Earth's biological diversity over time.

(All)