

## South Carolina State Science Standards

### 1<sup>st</sup> Grade

**Standard 1.S.1:** The student will use the science and engineering practices, including the processes and skills of scientific inquiry, to develop understandings of science content.

### 2nd Grade

**Standard 2.S.1:** The student will use the science and engineering practices, including the processes and skills of scientific inquiry, to develop understandings of science content.

**Standard 2.L.5:** The student will demonstrate an understanding of how the structures of animals help them survive and grow in their environments.

### 3<sup>rd</sup> Grade

**Standard 3.S.1:** The student will use the science and engineering practices, including the processes and skills of scientific inquiry, to develop understandings of science content.

**Standard 3.L.5:** The student will demonstrate an understanding of how the characteristics and changes in environments and habitats affect the diversity of organisms.

### 4<sup>th</sup> Grade

**Standard 4.S.1:** The student will use the science and engineering practices, including the processes and skills of scientific inquiry, to develop understandings of science content.

**Standard 4.L.5:** The student will demonstrate an understanding of how the structural characteristics and traits of plants and animals allow them to survive, grow, and reproduce.

### 5th Grade

**Standard 5.S.1:** The student will use the science and engineering practices, including the processes and skills of scientific inquiry, to develop understandings of science content.

**Standard 5.L.4:** The student will demonstrate an understanding of relationships among biotic and abiotic factors within terrestrial and aquatic ecosystems.

### 6th Grade

**Standard 6.S.1:** The student will use the science and engineering practices, including the processes and skills of scientific inquiry, to develop understandings of science content.

**Standard 6.L.4:** The student will demonstrate an understanding of how scientists classify organisms and how the structures, processes, behaviors, and adaptations of animals allow them to survive.

**Standard 6.L.5:** The student will demonstrate an understanding of the structures, processes, and responses that allow protists, fungi, and plants to survive and reproduce.

### **7<sup>th</sup> Grade**

**Standard 7.S.1:** The student will use the science and engineering practices, including the processes and skills of scientific inquiry, to develop understandings of science content.

**Standard 7.L.3:** The student will demonstrate an understanding of how the levels of organization within organisms support the essential functions of life.

**Standard 7.EC.5:** The student will demonstrate an understanding of how organisms interact with and respond to the biotic and abiotic components of their environments.

### **8<sup>th</sup> Grade**

**Standard 8.S.1:** The student will use the science and engineering practices, including the processes and skills of scientific inquiry, to develop understandings of science content.

### **High School (Biology)**

**Standard H.B.1:** The student will use the science and engineering practices, including the processes and skills of scientific inquiry, to develop understandings of science content.

**Standard H.B.6:** The student will demonstrate an understanding that ecosystems are complex, interactive systems that include both biological communities and physical components of the environment.

### **High School (Physics)**

**Standard H.P.1:** The student will use the science and engineering practices, including the processes and skills of scientific inquiry, to develop understandings of science content.

**Standard H.P.2:** The student will demonstrate an understanding of how the interactions among objects and their subsequent motion can be explained and predicted using the concept of forces.

### **High School (Environmental Science)**

**Standard H.E.1:** The student will use the science and engineering practices, including the processes and skills of scientific inquiry, to develop understandings of science content.

**Standard H.E.6:** The student will demonstrate an understanding of Earth's freshwater and ocean systems.