

South Carolina State Standards Science Fourth Grade	Stickybear Science Fair: Light
INQUIRY	✓
Observe	✓
Classify	✓
Measure	
Communicate	✓
Infer	✓
Predict	✓
Plan and conduct a simple investigation	✓
LIFE SCIENCE	
Unit of Study: Organisms and Their Environment	✓
Characteristics of Organisms	✓
Organisms have basic needs and can survive only in environments in which their needs can be met. The world has many different environments, and distinct environments support the life of different types of organisms	
Organisms have senses that help them detect internal and external cues	✓
Life Cycles of Organisms	
Many characteristics of an organism are inherited from the parents of organism, but other characteristics result from an individual's interactions with the environment	
Organisms and Their Environments	
An organism's patterns of behavior are related to the nature of that organism's environment, including the kinds and the numbers of other organisms present, the availability of food and resources, and the physical characteristics of the environment	

South Carolina State Standards Science Fourth Grade	Stickybear Science Fair: Light
LIFE SCIENCE	
Unit of Study: Organisms and Their Environment	✓
All organisms cause changes in the environment where they live	
Humans change environments in ways that can be either beneficial or detrimental for themselves and other organisms	
EARTH SCIENCE	
Unit of Study: Sky Patterns Weather and Climate	✓
Objects in the sky	✓
The sun, moon, and stars and planets, asteroids and comets all have properties, locations and movements that can be observed and described	✓
Objects in the sky have patterns of movement. The sun, appears to move across the sky in the same way every day, but its path changes slowly over the seasons	✓
Changes in the Earth and Sky	
Weather changes from day to day and over the seasons	
Weather can be described by measurable quantities, such as temperature, wind direction, speed, and precipitation	
PHYSICAL SCIENCE	
Unit of Study: Electricity and Magnetism - Light and Sound	✓
Light and Sound	✓
Sound is produced by vibrating objects	✓
The pitch of the sound can be varied by changing the rate of vibration	
Light travels in a straight line until it strikes an object	✓

<p>South Carolina State Standards Science Fourth Grade</p>	<p>Stickybear Science Fair: Light</p>
<p>PHYSICAL SCIENCE</p>	
<p>Unit of Study: Electricity and Magnetism - Light and Sound</p>	<p>◀</p>
<p>Electricity and Magnetism</p>	
<p>Electricity in circuits can produce light, heat, sound, and magnetic effect</p>	
<p>Magnets attract and repel each other and certain kinds of other materials</p>	