

Subject	Example: Grade Six- Science
Nine Week	Example: First
Standard	<p>0607.Inq.1: Design a simple experimental procedure with an identified control and appropriate variables.</p> <p>0607.Inq.1: Select tools and procedures needed to conduct a moderately complex experiment.</p> <p>0607.2.1: Classify organisms as producers, consumers, scavengers, or decomposers according to their role in a food chain or food web.</p> <p>0607.2.2: Interpret how materials and energy are transferred through an ecosystem.</p> <p>0607.2.3: Identify the biotic and abiotic elements of the major biomes.</p> <p>0607.2.4: Identify the environmental conditions and interdependencies among organisms found in the major biomes.</p> <p>0607.8.1: Analyze data to identify events associated with heat convection in the atmosphere.</p> <p>0607.8.2: Recognize the connection between the sun’s energy and the wind.</p>
Objectives	<p>Inq. 1 & 2: I can conduct an experiment using the correct tools and procedures and identify the variables with 85% accuracy by the end of the experiment.</p> <p>2.1 – 2.4: I can draw and label the producers, consumers, scavengers, and decomposers within a specific biome and explain how energy is transferred and the interdependencies among the organisms with 85% accuracy by the end of the unit.</p> <p>8.1: I can analyze data from observing the transfer of heat through convection currents with 95% accuracy by the end of the experiment.</p> <p>8.2: I can explain the connection between the sun’s energy and the wind with 85% accuracy by the end of the lesson.</p>
Topics	<p>Scientific Method</p> <p>Ecosystems</p> <p>Atmosphere</p>
Major Assignment/s	<p>6th Grade Science Pretest (TCAP format)</p> <p>Inq. 1 & 2: Labs (observing how raisins react in different solutions & how to keep water cold)</p> <p>2.1 – 2.4: Create Biome postcard</p> <p>8.1: Convection lab (using water, ice and food coloring to show how heat rises)</p>

Instructional Materials	<p>Clips from the movie <i>Lion King Ecology</i> (studyjams.com) <i>Biomes</i> (studyjams.com) <i>Food Chains</i> (studyjams.com) <i>Food Webs</i> (studyjams.com) Index cards Colored pencils Projector w/laptop Powerpoint (Atmospheric Heat Convection, The Sun & Wind) <i>Convection Currents</i> (k12reader.com) Lab materials: ice, hot & cold water, food coloring, clear container Powerpoint (Land & Sea Breezes) Full length video, Bill Nye Heat Convection, conduction and radiation <i>Air pressure & Wind</i> (studyjams.com)</p>
Field Trip/s	<p>NONE</p>