

<b>Topic: Earth in Space and Time</b>	
<b>Included Standards: SC.3.E.5.1 SC.3.E.5.2 SC.3.E.5.3 SC.3.E.5.4 SC.3.E.5.5 SC.3.N.1.1, SC.3.N.1.2, SC.3.N.1.3, SC.3.N.1.6</b>	
<b>Grade: 3rd</b>	
<b>Score 4.0</b>	<b>In addition to Score 3.0, in-depth inferences and applications that go beyond what was taught.</b> <ul style="list-style-type: none"> <li>• Experiment with the scenarios involving the Law of Gravity.</li> </ul>
<b>Score 3.0</b>	<b>The student will understand that stars can be different and be able to demonstrate the law of gravity.</b> <ul style="list-style-type: none"> <li>• <b>Performs complex skills:</b> <ul style="list-style-type: none"> <li>○ Explain that stars can be different (some are smaller, some are larger and some appear brighter than others).</li> <li>○ Explain that all stars except the Sun are so far away they look like points of light.</li> <li>○ Explain that energy from the sun can be used to heat objects and that when sunlight is not present, heat may be lost.</li> <li>○ Identify different scenarios where gravity is a force that can be overcome.</li> <li>○ Investigate questions about stars and the Sun individually and in teams and generate explanations based on scientific exploration</li> <li>○ Investigate questions about gravity individually and in teams and generate explanations based on scientific exploration</li> <li>○ Compare observations made by different groups using the same tools and seek reasons to explain the differences across groups</li> <li>○ Infer based on observations</li> </ul> </li> </ul> <p><b>The student exhibits no major errors or omissions regarding the score 3.0 content.</b></p>

Score 2.0	<p>The student:</p> <ul style="list-style-type: none"> <li>• <b>Recognizes or recalls specific terminology:</b> stars, Earth, brightness, Sun, points of light, emits energy, size, appearance in relation to distance, visible light, gas, radiant energy, heat, law of gravity, force, telescope and unaided eye, proximity</li> <li>• <b>Performs basic skills:</b> <ul style="list-style-type: none"> <li>○ Identify the properties of stars (size, brightness, appearance in relation to distance, and that stars emit energy and are made of gases).</li> <li>○ Identify the Sun as a star that emits energy (some in the form of visible light).</li> <li>○ Recognize that the Sun appears large and bright because it is the closest star to Earth.</li> <li>○ Observe that the number of stars that can be seen through telescopes is dramatically greater than those seen by the unaided eye.</li> <li>○ Explain the Law of Gravity.</li> <li>○ Identify that gravity is a force that can be overcome.</li> <li>○ Keep appropriate records using data tables, charts, and graphs</li> </ul> </li> </ul> <p><b>No major errors or omissions regarding the score 2.0 content.</b></p>
Score 1.0	With help, I know some of 2.0 and 3.0.
Score 0.0	Even with help, I am unable to understand.