

Grade: TK		Subject: Science	Theme: Solar Systems
<b>Essential Question:</b>  What is in our solar system?	<b>Suggested Resources:</b> <ul style="list-style-type: none"><li>▪ <u>The Moon Seems to Change</u> (<i>Let's Read and Find Out Science Series: Stage 2</i>) by Franklyn M. Branley</li><li>▪ <u>The Planets in Our Solar System</u> (<i>Let's Read and Find Out Science Series: Stage 2</i>) by Franklyn M. Branley</li><li>▪ Visual prompts (photos, drawings, or icons) of objects in the solar system: sun, earth, moon</li><li>▪ Songs about the solar system:<ul style="list-style-type: none"><li>○ Online resource: <a href="http://www.canteach.ca/elementary/songspoems34.html">http://www.canteach.ca/elementary/songspoems34.html</a></li></ul></li><li>▪ Copies of objects in the solar system for each student (used for Summative Assessment)<ul style="list-style-type: none"><li>○ Online resources:<ul style="list-style-type: none"><li>▪ <a href="http://www.learningpage.com/free_pages/galleries/space.html">http://www.learningpage.com/free_pages/galleries/space.html</a></li><li>▪ <a href="http://printables.atozteacherstuff.com/download/space/solar-system-book.pdf">http://printables.atozteacherstuff.com/download/space/solar-system-book.pdf</a></li></ul></li></ul></li></ul>		<b>Integration of Catholic Values:</b>  The Story of Creation: The concepts of earth (planet), the sun, stars, and the moon can be introduced through days one through four in the “The Story of Creation” (Gen 1:1-18).
<b>Enduring Understanding:</b>  The solar system has stars and planets.  The sun is a star.  The moon is not a star and it orbits the earth.  All planets orbit the sun.			<b>SLE(s):</b>  * Please refer to your school SLE’s.
<b>Standards:</b> SC-3c Explore objects in the solar system			
<b>Concepts:</b> SC-3c <ul style="list-style-type: none"><li>▪ solar system</li><li>▪ galaxy</li><li>▪ planet</li><li>▪ star</li><li>▪ revolve</li><li>▪ orbit</li><li>▪ sun</li><li>▪ earth</li></ul>	<b>Skills:</b> SC-3c <ul style="list-style-type: none"><li>▪ Define solar system.</li><li>▪ Identify and describe the sun.</li><li>▪ Identify and describe the earth.</li><li>▪ Identify and describe the moon.</li></ul>	<b>Social-Emotional Development Connection:</b> SE-3b Follow social and classroom rules SE-3c Respond positively to redirection from adults SE-3g Complete a task SE-3h Keep personal space and classroom areas orderly SE-4a Communicate preferences SE-4b Make choices SE-5a Ask for help when needed	

<ul style="list-style-type: none"><li>moon</li></ul>		SE-5b Use verbal and nonverbal communication effectively SE-5c Develop age-appropriate attention span SE-5d Follow one and two-step directions SE-6a Participate positively and cooperatively in group activities SE-6b Share and take turns SE-6c Use polite words SE-6d Help others		
<b>Summative Assessment:</b> One-on-one oral assessment <ul style="list-style-type: none"><li>Students will create a picture of objects in the solar system. Students may draw, cut out pictures of objects, or color a coloring page of the objects in the solar system. Objects include: sun, earth, moon. (SC-3a)</li><li>Students will identify (name) and orally describe each object of the solar system with one fact. The teacher begins by asking the student to point to an object. The teacher asks, “What did you point to? Tell me about the (object).” The teacher repeats the assessment for the objects. Objects include: sun, earth, moon. Students’ descriptions of each object correspond with the recommended descriptions in the days 2-4 objectives. (SC-3a)</li></ul>				
Instructional Sequence				
<b>Day 1:</b>  <b>O</b> Students define the solar system.	<b>Day 2:</b>  <b>O</b> Students identify and describe the sun.  Recommended description: The sun is a star at the center of the solar system.	<b>Day 3:</b>  <b>O</b> Students identify and describe the earth.  Recommended description: The earth is the planet we live on. It orbits the sun.	<b>Day 4:</b>  <b>O</b> Students will identify and describe the moon.  Recommended description: The moon is a space object (not a star) that reflects the light off of the sun. It orbits the earth.	<b>Day 5:</b>  <b>O</b> Students demonstrate mastery of all skills taught in the unit. (See Summative Assessment)