

Name: Reynolds, Moon		Grading Quarter: 2	Week Beginning: Week 1 10/7/24-10/11/24
School Year: 2024-2025		Subject: Science	
Monday	Notes: No School	Objective: <ul style="list-style-type: none"> No School Lesson Overview: <ul style="list-style-type: none"> No School 	Academic Standards: No School
Tuesday	Notes: Grade 5 Unit 4: Earth and Space Patterns Lesson 1: The Role of Gravity Essential Question: What pulls objects down?	Objective: <ul style="list-style-type: none"> Students will support an argument that gravity causes objects to be pulled toward the center of Earth. Lesson Overview: <ul style="list-style-type: none"> Assess Prior Knowledge <ul style="list-style-type: none"> Page 5- Page Keeley Science Probe: <i>Earth's Gravity</i> Engage <ul style="list-style-type: none"> Academic Vocabulary: <ul style="list-style-type: none"> <u>Interaction</u>- cause-and-effect relationships that can be observed. Page 6-7- Encounter the Phenomenon: What caused this crater to form? Video: <i>Barringer Crater</i> Sample Questions: <ul style="list-style-type: none"> How did the crater get there? What causes things to fall to Earth from space? 	Academic Standards: 5. P1U1.3 Construct an explanation using evidence to demonstrate that objects can affect other objects even when they are not touching. 5. E2U1.8 Obtain, analyze, and communicate evidence to support an explanation that the gravitational force of Earth on objects is directed toward the planet's center.

Wednesday	<p>Notes:</p> <p>Grade 5</p> <p>Unit 4:</p> <p>Earth and Space Patterns</p> <p>Lesson 1:</p> <p>The Role of Gravity</p> <p>Essential Question:</p> <p>What pulls objects down?</p>	<p>Objective:</p> <ul style="list-style-type: none"> Students will support an argument that gravity causes objects to be pulled toward the center of Earth. Students will understand that the size of an object affects the size of the crater that it forms. <p>Lesson Overview:</p> <ul style="list-style-type: none"> Explore <ul style="list-style-type: none"> Pages 8-10- Inquiry Activity: <i>Crater Model</i> <ul style="list-style-type: none"> Materials: <ul style="list-style-type: none"> Safety goggles Newspaper Shallow pan Flour Ruler Pan balance Modeling clay Make a Prediction: How does the size of an object affect the size of the crater that it forms? Carry Out an Investigation <ul style="list-style-type: none"> Record Data on chart Communicate Information Page 11- Make Your Claim: What factors affect how objects fall to Earth's surface? <ul style="list-style-type: none"> Students use their inquiry activity as a reference to make their claim and support it. 	<p>Academic Standards:</p> <p>5. P1U1.3</p> <p>Construct an explanation using evidence to demonstrate that objects can affect other objects even when they are not touching.</p> <p>5. E2U1.8</p> <p>Obtain, analyze, and communicate evidence to support an explanation that the gravitational force of Earth on objects is directed toward the planet's center.</p>
Thursday	<p>Notes:</p> <p>Grade 5</p> <p>Unit 4:</p> <p>Earth and Space Patterns</p> <p>Lesson 1:</p> <p>The Role of Gravity</p> <p>Essential Question:</p> <p>What pulls objects down?</p>	<p>Objective:</p> <ul style="list-style-type: none"> Students will support an argument that gravity causes objects to be pulled toward the center of Earth. <p>Lesson Overview:</p> <ul style="list-style-type: none"> Explain <ul style="list-style-type: none"> Academic Vocabulary: <ul style="list-style-type: none"> <u>Gravity</u>- a force of attraction, or pull, between any two objects. <u>Tides</u>- the regular rise and fall of water along the shore. Pages 12-13- Gravity on Earth <ul style="list-style-type: none"> Read About: The Pull of Earth's Gravity Video: <i>Tides</i> 	<p>Academic Standards:</p> <p>5. P1U1.3</p> <p>Construct an explanation using evidence to demonstrate that objects can affect other objects even when they are not touching.</p> <p>5. E2U1.8</p> <p>Obtain, analyze, and communicate evidence to support an explanation that the gravitational force of Earth on objects is directed toward the planet's center.</p>

<p>Friday</p>	<p>Notes:</p> <p>Grade 5</p> <p>Unit 4:</p> <p>Earth and Space Patterns</p> <p>Lesson 1:</p> <p>The Role of Gravity</p> <p>Essential Question:</p> <p>What pulls objects down?</p>	<p>Objective:</p> <ul style="list-style-type: none"> Students will support an argument that gravity causes objects to be pulled toward the center of Earth. <p>Lesson Overview:</p> <ul style="list-style-type: none"> Explain <ul style="list-style-type: none"> Academic Vocabulary: <ul style="list-style-type: none"> <u>Meteor</u>- a space rock that enters Earth's atmosphere. <u>Meteorite</u>- a meteor that strikes Earth's surface. Page 14- Meteors and Meteorites <ul style="list-style-type: none"> Read About: Meteors and Meteorites Page 15- Writing Connection <ul style="list-style-type: none"> Investigator: <i>Gravitational Waves</i> <ul style="list-style-type: none"> Read the Investigator article. On a separate sheet of paper, write a paragraph about how the findings of Einstein and other scientists have been important in understanding how gravity works. How have the ideas of scientists in the past affected our use of technology in the study of gravitational waves? Use the Cause-and-Effect graphic organizer to help. <ul style="list-style-type: none"> Example of Causes: <ul style="list-style-type: none"> Sir Isaac Newton explains that every object has a gravitational pull. Einstein created a theory about gravitational waves. Example of Effects: <ul style="list-style-type: none"> Researchers use special technology to listen for gravitational waves. 	<p>Academic Standards:</p> <p>5. P1U1.3</p> <p>Construct an explanation using evidence to demonstrate that objects can affect other objects even when they are not touching.</p> <p>5. E2U1.8</p> <p>Obtain, analyze, and communicate evidence to support an explanation that the gravitational force of Earth on objects is directed toward the planet's center.</p>
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