

## Week Of: 1/5 - 1/9

**Essential Questions:** How do scientists contribute/impact our everyday life?  
 How do scientists collect, interpret, and apply the data they gather?  
 How have the forces on Earth changed its surface as we know it today?

**Content Question(s):** How do stress forces affect rock?  
 Why do faults form and where do they occur?  
 How does movement along faults change Earth's surface?

**Standard(s):** 5. Describe how the movement of the earth's crustal plates causes both slow changes in the earth's surface (e.g., formation of mountains and ocean basins) and rapid ones (e.g., volcanic eruptions and earthquakes).

Day	In Class	Homework
<b>Monday</b> <div style="border: 1px solid black; padding: 2px; width: 20px; margin: 0 auto;">5</div>	<ul style="list-style-type: none"> <li>• Clean out binders (PDF)</li> <li>• Discuss:               <ul style="list-style-type: none"> <li>○ Explain the process of convection currents in Earth's mantle</li> </ul> </li> <li>• Pre-Assessment Earthquakes &amp; Volcanoes</li> </ul>	<ul style="list-style-type: none"> <li>• None</li> </ul>
<b>Tuesday</b> <div style="border: 1px solid black; padding: 2px; width: 20px; margin: 0 auto;">6</div>	<ul style="list-style-type: none"> <li>• Preview Section 1: Earth's Crust in Motion</li> <li>• In pairs, read pages 54-57 and complete 2 column notes (<a href="#">Word</a>) (<a href="#">PDF</a>)</li> <li>• Discuss:               <ul style="list-style-type: none"> <li>○ How do stress forces affect rock?</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• None</li> </ul>
<b>Wednesday</b> <div style="border: 1px solid black; padding: 2px; width: 20px; margin: 0 auto;">7</div>	<ul style="list-style-type: none"> <li>• Review the question: How do stress forces affect rock?</li> <li>• Discuss: Why do faults form and where do they occur?</li> <li>• In pairs, read pages 55-57 and complete 2 column notes (<a href="#">Word</a>) (<a href="#">PDF</a>)</li> <li>• Review &amp; Reinforce 2-1 (<a href="#">PDF</a>)</li> </ul>	<ul style="list-style-type: none"> <li>• Review &amp; Reinforce 2-1</li> </ul>
<b>Thursday</b> <div style="border: 1px solid black; padding: 2px; width: 20px; margin: 0 auto;">8</div>	<ul style="list-style-type: none"> <li>• Review               <ul style="list-style-type: none"> <li>○ How do stress forces affect rock?</li> <li>○ How do stress forces affect rock?</li> </ul> </li> <li>• <a href="#">IRIS: Fault Motion</a> <ul style="list-style-type: none"> <li>○ Read descriptions &amp; discuss the animations</li> <li>○ <a href="#">Show NOAA slide show</a></li> </ul> </li> <li>• Discuss:               <ul style="list-style-type: none"> <li>○ How does movement along faults change Earth's surface?</li> </ul> </li> <li>• Discuss Review &amp; Reinforce 2-1 (<a href="#">PDF</a>)</li> <li>• Enrich 2-1: Evidence of Movement Along Faults (<a href="#">Word</a>) (<a href="#">PDF</a>)</li> </ul>	<ul style="list-style-type: none"> <li>• Complete Enrich 2-1</li> </ul>
<b>Friday</b> <div style="border: 1px solid black; padding: 2px; width: 20px; margin: 0 auto;">9</div>	<ul style="list-style-type: none"> <li>• Try This: It's a Stretch (pg. 55)</li> <li>• Discuss Enrich 2-1: Evidence of Movement Along Faults (<a href="#">Word</a>) (<a href="#">PDF</a>)</li> <li>• In Groups:               <ul style="list-style-type: none"> <li>○ Study for Monday's Quiz</li> </ul> </li> </ul>	

## Week Of: 1/12 - 1/16

**Essential Questions:** How do scientists contribute/impact our everyday life?  
 How do scientists collect, interpret, and apply the data they gather?  
 How have the forces on Earth changed its surface as we know it today?

**Content Question(s):** How does the energy of an earthquake travel through Earth?  
 What are the different kinds of seismic waves?  
 What are the scales used to measure the strength of an earthquake?

**Standard(s):** 5. Describe how the movement of the earth's crustal plates causes both slow changes in the earth's surface (e.g., formation of mountains and ocean basins) and rapid ones (e.g., volcanic eruptions and earthquakes).

Day	In Class	Homework
<b>Monday</b> 12	<ul style="list-style-type: none"> <li>• Study Groups (10 minutes)</li> <li>• Chapter 2 Section 1 Quiz: Earth's Crust in Motion</li> <li>• Discover Activity page 64 (<a href="#">Word</a>) (<a href="#">PDF</a>)</li> </ul>	<ul style="list-style-type: none"> <li>• None</li> </ul>
<b>Tuesday</b> 13	<ul style="list-style-type: none"> <li>• Review: Discover Activity page 64 (<a href="#">Word</a>) (<a href="#">PDF</a>)</li> <li>• In groups:               <ul style="list-style-type: none"> <li>○ Read pages 64 - 69</li> <li>○ Complete two-column notes                   <ul style="list-style-type: none"> <li>▪ Blank grid (<a href="#">Word</a>) (<a href="#">PDF</a>)</li> <li>▪ Completed grid (<a href="#">Word</a>) (<a href="#">PDF</a>)</li> </ul> </li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Finish               <ul style="list-style-type: none"> <li>○ reading pgs. 64-69</li> <li>○ two column notes</li> </ul> </li> </ul>
<b>Wednesday</b> 14	<ul style="list-style-type: none"> <li>• Science Question of the Day (<a href="#">PDF</a>)</li> <li>• Vocabulary Review Game: Seismic Waves</li> <li>• Discuss:               <ul style="list-style-type: none"> <li>○ What are the different kinds of seismic waves?</li> <li>○ How does the energy of an earthquake travel through Earth?</li> </ul> </li> <li>• Review &amp; Reinforce 2-2 (<a href="#">PDF</a>)</li> </ul>	<ul style="list-style-type: none"> <li>• Review &amp; Reinforce 2-2 (<a href="#">PDF</a>)</li> <li>• <b>Make up quiz tomorrow!</b> <ul style="list-style-type: none"> <li>○ 69 or lower</li> <li>○ 8:00 AM</li> </ul> </li> </ul>
<b>Thursday</b> 15	<ul style="list-style-type: none"> <li>• Science Question of the Day (<a href="#">PDF</a>)</li> <li>• Vocabulary Review (Game)</li> <li>• Discuss the Three Earthquake Measuring Scales</li> <li>• Discuss Review &amp; Reinforce 2-2</li> <li>• Enrich 2-2: Comparing the Richter and Moment Magnitude Scales (<a href="#">PDF</a>)</li> </ul>	<ul style="list-style-type: none"> <li>• None</li> </ul>
<b>Friday</b> 16  <b>Class Notes</b> ( <a href="#">PDF</a> )	<ul style="list-style-type: none"> <li>• Science Question of the Day (<a href="#">PDF</a>)</li> <li>• Discuss Enrich 2-2: Comparing the Richter and Moment Magnitude Scales (<a href="#">PDF</a>)</li> <li>• Discuss               <ul style="list-style-type: none"> <li>○ How do scientists calculate how far a location is from the epicenter of an earthquake?</li> </ul> </li> <li>• Brain Pop: Earthquakes</li> </ul>	<ul style="list-style-type: none"> <li>• None</li> </ul>

## Week Of: 1/19 - 1/23

**Essential Questions:** How do scientists contribute/impact our everyday life?  
 How do scientists collect, interpret, and apply the data they gather?  
 How have the forces on Earth changed its surface as we know it today?

**Content Question(s):** How does the energy of an earthquake travel through Earth?  
 What are the different kinds of seismic waves?  
 What are the scales used to measure the strength of an earthquake?

**Standard(s):** 5. Describe how the movement of the earth's crustal plates causes both slow changes in the earth's surface (e.g., formation of mountains and ocean basins) and rapid ones (e.g., volcanic eruptions and earthquakes).

Day	In Class	Homework
<b>Monday</b> 19	No School: Martin Luther King Jr. Day	• None
<b>Tuesday</b> 20	No Classes: Inauguration Activities	• None
<b>Wednesday</b> 21	<ul style="list-style-type: none"> <li>• Science Question of the Day (PDF)</li> <li>• Locating An Epicenter Lab (PDF)</li> </ul>	• None
<b>Thursday</b> 22  Class Notes (PDF)	<ul style="list-style-type: none"> <li>• Science Question of the Day (PDF)</li> <li>• Prentice Hall - Earth Science Video               <ul style="list-style-type: none"> <li>○ Why Worry? (1:11)</li> <li>○ Waves in the Earth (3:27)</li> </ul> </li> <li>• Locating An Epicenter Lab (PDF)</li> </ul>	• Quiz Tomorrow!
<b>Friday</b> 23	<ul style="list-style-type: none"> <li>• Science Question of the Day (PDF)</li> <li>• Discuss Locating An Epicenter Lab (PDF)</li> <li>• Chapter 2 Section 2 Quiz: Measuring Earthquakes               <ul style="list-style-type: none"> <li>○ Vocabulary                   <ul style="list-style-type: none"> <li>▪ focus, P waves, S waves, Mercalli scale, Richter scale, moment magnitude scale, seismograph, aftershock</li> </ul> </li> <li>○ Difference in Arrival Times &amp; Distance from the Epicenter graph</li> <li>○ Locate an Epicenter</li> <li>○ Short Answer                   <ul style="list-style-type: none"> <li>▪ Why is the moment magnitude scale a more accurate measure of an earthquake's magnitude than the Richter scale?</li> <li>▪ When you are trying to locate an epicenter, why is it necessary to know the distance from the epicenter for at least three recording stations?</li> </ul> </li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Binder Check Monday!</li> <li>• Table of Contents (PDF)</li> </ul>

## Week Of: 1/26 - 1/30

**Essential Questions:** How do scientists contribute/impact our everyday life?  
 How do scientists collect, interpret, and apply the data they gather?  
 How have the forces on Earth changed its surface as we know it today?

**Content Question(s):** What kinds of damage does an earthquake cause?  
 What can be done to reduce earthquake hazards?  
 How do geologists monitor faults?  
 How do geologists determine earthquake risk?

**Standard(s):** 5. Describe how the movement of the earth's crustal plates causes both slow changes in the earth's surface (e.g., formation of mountains and ocean basins) and rapid ones (e.g., volcanic eruptions and earthquakes).

Day	In Class	Homework
<b>Monday</b> <div style="border: 1px solid black; padding: 2px; width: 30px; margin: 0 auto;">26</div>	<ul style="list-style-type: none"> <li>• Science Question of the Day (<a href="#">PDF</a>)</li> <li>• Binder Check (<a href="#">PDF</a>)</li> <li>• Read pages 72-77: Earthquake Hazards &amp; Safety               <ul style="list-style-type: none"> <li>○ Complete study guide (<a href="#">Word</a>) (<a href="#">PDF</a>)</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• None</li> <li>• Make up quiz on <b>Wednesday! (2-2)</b> <ul style="list-style-type: none"> <li>○ Correct all answers</li> <li>○ Page 3 #s included</li> </ul> </li> </ul>
<b>Tuesday</b> <div style="border: 1px solid black; padding: 2px; width: 30px; margin: 0 auto;">27</div>	<ul style="list-style-type: none"> <li>• Science Question of the Day (<a href="#">PDF</a>)</li> <li>• Bill Nye the Science Guy: Earthquakes</li> <li>• Complete study guide 2-3(<a href="#">Word</a>) (<a href="#">PDF</a>)</li> </ul>	<ul style="list-style-type: none"> <li>• Complete study guide 2-3 pages 72-77</li> </ul>
<b>Wednesday</b> <div style="border: 1px solid black; padding: 2px; width: 30px; margin: 0 auto;">28</div>	NO SCHOOL: SNOW DAY!	<ul style="list-style-type: none"> <li>• Complete study guide 2-3 pages 72-77</li> </ul>
<b>Thursday</b> <div style="border: 1px solid black; padding: 2px; width: 30px; margin: 0 auto;">29</div>	TWO HOUR DELAY	<ul style="list-style-type: none"> <li>• Complete study guide 2-4 pages 78-81</li> </ul>
<b>Friday</b> <div style="border: 1px solid black; padding: 2px; width: 30px; margin: 0 auto;">30</div>	<ul style="list-style-type: none"> <li>• Science Question of the Day- Thursday &amp; Friday (<a href="#">PDF</a>)</li> <li>• Discuss:               <ul style="list-style-type: none"> <li>○ How do geologists monitor faults?</li> <li>○ How do geologists determine earthquake risk?</li> </ul> </li> <li>• Earthquake assessment</li> </ul>	<ul style="list-style-type: none"> <li>• None</li> </ul>