

# Earth Science

10/19 - 10/23

## This Week's Learning Targets:

**LT 3 - Describe** how the sedimentary process and associated rocks, metamorphic processes and associated rocks, structures in rocks that can be used to interpret environments and changes in the past.

**LT 4 - Differentiate** between relative dating and absolute dating of crustal materials.

**LT 5 - Use** a stratigraphic model to **determine** the sequence of change to Earth's surface.

**LT 6 - Construct** an explanation of how the Earth has been altered over time due to changes within and between the spheres based on scientific evidence.

## This Week's Learning Guide

Agenda				Helpful Resources
Period 1: Zoom link		Period 2: Zoom link		
<b>Monday, 10/19</b>  1 - 9:30-10:07 2 - 10:14-10:51	<b>Explore</b>	Introduction to Stratigraphy  Create Your Own Stratigraph Activity		Oct 19 Summary Video
<b>Flip</b> <b>(Do this before class)</b>		<b>Watch:</b> Video Lesson about Relative Dating Principles <b>Do:</b> Define each relative dating principle and draw a rock layer example for each.		<a href="#">Relative Dating Reading</a>
<b>Tuesday 10/20</b>  1 - 8:00-9:15 2 - 9:22-10:37	<b>Apply</b>	<b>Synchronous</b>  Attendance & Questions from Video?  Relative Dating Challenge (in-class version)	<b>Asynchronous</b>  Attendance & Questions from Video?  Relative Dating Challenge (Kami assignment version)	Oct 20 Summary Video
<b>Flip</b> <b>(Do this before class)</b>		<b>Watch:</b> Video Lesson about Absolute Dating <b>Do:</b> Complete the example problem at the end of the video		<a href="#">Absolute Dating Reading</a>
<b>Thursday 10/22</b>  1 - 8:00-9:15 2 - 9:22-10:37	<b>Apply</b>	<b>Synchronous</b>  Attendance & Questions from Video?  Absolute Dating Lab (in-class version)	<b>Asynchronous</b>  Attendance & Questions from Video?  Absolute Dating Lab (at home version)	Oct 22 Summary Video  <b>Optional Summative</b> Gizmos Absolute Dating Activity
<b>Other Reminders</b>	<b>Summative Assessment: Relative &amp; Absolute Dating CER</b> <ul style="list-style-type: none"> <li>10 pts</li> <li>Due 10/27</li> </ul>			