

## How is the Earth Changing? Case Study Overview and Project

### **Timeline**

There will be a fair amount of independent work time, think about how you will self-manage with your partner to meet the daily product goals☺!

Day	Topic	Product
1	Overview of Case Study Sites	Tan Sheet filled out—one side (either A/B or C/D)
2	Overview of Case Study Sites	Tan Sheet filled out— <b>BOTH</b> sides
3	Each table group assigned ONE site to create “Keynote” presentation + Work Time	Presentation started 3 of 8 slides completed WITH script
4	Presentation Work Time	Presentation near done 7 of 8 slides completed WITH script
5	Finalize Presentations	Presentation done and practiced
6	Give Presentations	Note-taking sheet completed

### **Keynote Presentation—Slides**

Slides should include reference to the scientific principles we’ve learned over the course of the unit. See the posters in the room and in your SN. The slide should contain 10-15 words, your verbal explanation will provide detail.

Slide #	Slide Content: 10-15 words max	Explanation
1. Title	The title page should include the name of your site and a picture.	
2. Location	World map with location of your site highlighted	Descriptive information that refers to continents, oceans, countries
3. Features (Evidence)	Images of the features found at your site	Describe the features (landforms) found
4. Plates	Tectonic plate map with your site highlighted	<ul style="list-style-type: none"> <li>• Name of Plate(s)</li> <li>• Type of Plate(s)</li> <li>• Density of Plate(s)</li> </ul>
5. Plate Interaction: (Claim)	Image showing the type of interaction happening at your site	<ul style="list-style-type: none"> <li>• Describe in detail of plate movement and boundary (1 of the 7 types)</li> </ul>
6. Connect Interaction to Evidence (Reasoning)	Image with <b>both</b> features and plate interaction	<ul style="list-style-type: none"> <li>• Describe how the plate interactions <b>cause</b> the features</li> <li>• Include direction</li> </ul>
7. Interesting Information	Varies	Could include: description of recent events or future events, impact on humans, interest to a tourist, history in terms of continental drift, current research at site.
8. Question	Questions—one or two	Describe what questions you still have and why they are interesting or important

## Days 1 and 2 Procedures

On Ms. Hohenemser's Monday 11/21 Website there are five resources you should download into notability and use to *systematically* research each of the sites you have been assigned.

1. **Case Study Map:** find the site on this map
2. **Google Maps:** Go look at the site in satellite view—what features can you see?
3. **Elevation Map:** What is the elevation like at your site?
4. **Earthquake, Volcano and Plate Map:** Where is your site? What events happen at your site?
5. **Labeled Plate Map:** Where is your site? On a boundary? In the middle of a plate? What kind of plate? How do the arrows help you understand what is going on at your site?