Day 3 lesson overview:

Students will be able to compare two maps (EQ data and tectonic plates). Students will engage in argumentation when they revisit the conversation between the family and school principal on whether or not they agree with their principal after evaluating additional evidence.

Map #1

Insert a recent USGS map of global earthquakes
www.usgs.gov

1. What do the dots stand for in this map? (We did something like this in class.)

____________________________________________________________________________________

Map #2

Insert map of tectonic plates from a textbook or online

This is a map of the different tectonic plates that make up the Earth's crust.

Part 1: Write three observations of Map #2.

1. I see ________________________________________________________________________________

2. I see ________________________________________________________________________________
Part 2: Comparing maps. What do you notice about the lines we just drew on our map of recent earthquakes and the map you were just given that identifies the different plate boundaries?

Part 3: Defining “tectonic plates” and “plate boundaries”

<table>
<thead>
<tr>
<th>Tectonics plates are:</th>
<th>Plate boundaries are:</th>
</tr>
</thead>
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Two examples of tectonic plates are:

1.
2.
Part 4: How does the work we’ve done with maps help us **support the principal’s opinion**?

I understand your concern. The reason we don’t practice earthquake drills at Lawrence Road is **because the chance of having an earthquake on _____ is very small**. Instead, we practice safety drills for dangers that are more likely to happen, such as fire drills.

What can we use as **evidence** to support the principal’s statement that the chance of an earthquake happening on ____ is small?

1. 

2. 

**Write a sentence** that the principal can use to explain his opinion to the family.

The chance of having an earthquake on ____ is small because ... 

__________________________________________________________________

__________________________________________________________________

__________________________________________________________________

__________________________________________________________________