Tectonic Plate – PBL

What is the physical and societal impact of plate tectonic on our communities?

# GOAL

Be able to apply your knowledge of plate boundaries and tectonic plates to a geological location of your choice and study the physical and societal characteristics and impact of plate tectonics on this location.

# TASK

Individually, you will choose a location on Earth where there is evidence of plate tectonic activity. You will study the effect plate tectonics have had on this location from a physical and societal point of view in the past, present and future.

# REQUIREMENTS

Your final product must include the following information:

* Type of tectonic plates and plate boundaries
* Details regarding the physical evidence of plate tectonics in this area
* Overview of past geological events caused by plate tectonic in this area (for each event include information about the destruction, death and recovery process)
* How tectonic plates affected this area in the past, present and future.
* Societal impact of tectonic plate activity on this location

# PRODUCTS

* Top 3 choices of geographical areas to do project about. Include a brief outline of how tectonic plates have affected each area.

**DUE DATE:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* Create a model of the tectonic plate movement that affects your area. Model should be properly labeled and clearly demonstrate how your area is affected by tectonic plate movement.

**DUE DATE:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* Write a story in the point of view of someone living in this area either in the past or the present. Letter should included details about the physical appearance of the area as well as the societal impact of the action of tectonic plates.

**DUE DATE:­­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* Presentation of your geological area and how it was affected by tectonic plate activity. Please note the information in the Requirements section when doing your research and putting your presentation together. Presentation product can be a poster OR a PowerPoint presentation. You will present your ENTIRE project at the end of the quarter.

**DUE DATE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**