**EAGLES**

**Science Lesson Plans**

Week of Dec. 4-8

**Monday:**

**Learning Target:** I can design a model of an earthquake proof building.

**Classwork:** Discuss earthquakes in Oklahoma. Students will look at fracking in Oklahoma and how that effects earthquakes. Students will read pp. 244, 262-263 about earthquake effects. Students will research earthquake proofing a building and create a design for a building.

<http://www.nbcnews.com/nightly-news/video/oklahoma-earthquake-raises-concerns-about-possible-link-to-fracking-757682755642> - video about the fracking in Oklahoma

<https://www.youtube.com/watch?v=LGMebVk0wwg> The big one in California

http://www.cnn.com/2017/09/30/us/california-earthquake-preparation/index.html

<https://www.youtube.com/watch?v=VSgB1IWr6O4> -intro to earthquake building design

**Tuesday:**

**Learning Target:** I can design a model of an earthquake proof building.

**Classwork:** Students will finish building and test their model of an earthquake proof building.

**Wednesday:**

**Learning Target:** I can describe the different types of volcanic eruptions, the factors that determine the type of eruption a volcano will have.

**Classwork:** Students will read page 231-234 in Dynamic Earth science book about where volcanoes form.

**Thursday:**

**Learning Target:** I can compare the different type of volcanoes.

**Classwork**: Read 148-149 in Restless Earth book about explosive and nonexplosive eruptions. Discuss and create chart in notebook (or floppy book- p233).

**Friday:**

**Learning Target:** I can compare the different type of volcanoes.

**Classwork**: Read 151-152 in Restless Earth about volcanic material. Read 154 in Restless Earth and 229 in Dynamic Earth about the different types of volcanoes. Students will complete a foldable over the types of volcanoes. Students will watch a video over the eruption of Mount Saint Helens, (Mt. St. Helens Eruption May 18, 1980).

Volcanodiscovery.com

http://environment.nationalgeographic.com/environment/natural-disasters/forces-of-nature/

http://volcanowebquest.weebly.com/

[**http://earthquakes.volcanodiscovery.com/**](http://earthquakes.volcanodiscovery.com/)