Plate Tectonics Project
Due Date: March 4th

Directions: Choose ONE of the following projects to complete. Be prepared to present your project to the class. Your presentation is worth 20% of your grade. Remember, this project will count TWICE (out of 200 points!), so make sure to do your best and be creative! Individual projects may be created as an edible model; however, teachers do not have the ability to keep an item cold.

You will be graded on the accuracy, neatness, and details you put into your project. Here is a guideline of how you will be earning your grade:

40pts.  Presentation: Clear, informative, eye-contact, minimal fidgeting/giggling
120pts.  Model is accurate and shows time and effort.
40pts.  Labels/Descriptions are available and displayed accurately on model

Here are your choices...

#1. Earthquakes!
MODEL: Create a 3-D model of the three different types of faults (normal, reverse, and strike slip). On your model, make sure that you label each type of fault, the hanging wall and footwall (if it applies), and include an explanation of how each one moves.

#2. Plate Boundaries & Continental Drift
MODEL: Using clay or some other building materials, build a 3-D model of Earth’s major tectonic plates. On your model, you must label the plate names and use arrows to show the directions that they are moving. You must label two convergent boundaries, two divergent boundaries, and two transform boundaries.

#3. Sea-Floor Spreading & Harry Hess
MODEL: Using clay or some other building materials, build a 3-D model of sea-floor spreading. On your model, you must label all of the different parts of sea-floor spreading (rift valley, new sea-floor, old sea-floor, trench, magma, etc.). Make sure to include a written explanation of how sea-floor spreading occurs.

#4. Volcanoes
MODEL: Using clay or some other building materials, build a 3-D model of one of the following volcanoes: Mount Kiluaea, Mount St. Helens, Mount Vesuvius, Mount Etna, or Paricutin Volcano. You model must ACCURATELY show the shape of the volcano and surrounding area. (Volcanoes are NOT allowed to “erupt”) Label the type of volcano it is and attach a brief explanation of how it erupts (violent, quiet, both).