

Eastport South Manor Junior-Senior High School

"Commitment to Excellence"

WEEKLY OBJECTIVES

Subject:

Week #: 21

Date: 1/27/14

Teacher: Spadafora, Walter, Plymale, Hauer, Reinke, Bothwell, Starbuck

Topic: Dynamic Earth: Layers of the Earth

Learning Objectives:

1. Students will be able to determine the characteristics of layers of earth.
2. Students will be able to apply an understanding of the layers of earth in a laboratory setting.
3. Students will be able to compare P and S waves to determine the distance of an Earthquake
4. Students will be able to calculate differences in arrival time of p and s seismic waves

Instructional Strategies:

1. ELA Shift 3- Staircase of Complexity- Appropriate texts- Using global Plate tectonic maps to locate various types of boundaries
2. Mathematics Shift 5- Application- Applying knowledge to real world situations- recognizing patterns earthquakes and volcanoes along boundaries
3. ELA Shift 4- Text Based answers- using Inferred properties of the earth chart to determine properties of each earth layer

Learning Activities (Technology/DI):

1. Layers of the Earth and Plate Tectonics notes
2. Layers of the earth worksheet

Assessment/Data:

1. Crustal Boundaries Lab

Other: