

Eastport South Manor Junior-Senior High School

"Commitment to Excellence"

WEEKLY OBJECTIVES

Subject:

Week #: 4

Date: 9/23/13

Teacher: Bothwell, Brisson, Hauer, Plymale, Rienke, Spadafora, Starbuck, Walter

Topic: Topic 1- Density and Graphing

Learning Objectives:

1. Students will be able to describe the relationship of various graphing variables
2. Students will be able to calculate the rate of change and then describe the graphing relationship and graphical appearance.
3. Students will be able to determine predictable changes that occur in Earth science and identify the graph that would represent these changes

Instructional Strategies:

1. Mathematics Shift 5- Application- Applying knowledge to real world situations- recognizing patterns- Rate of change and graphing
2. Mathematics Shift 5- Application- Applying knowledge to real world situations- recognizing patterns in graphical relationships of independent and dependent variables
3. ELA Shift 3- Staircase of Complexity- Appropriate texts- Charts, Graphs, equations using ESRT's
4. Mathematics Shift 4- Deep Understanding- Applying knowledge in different situations- Experimental Labs

Learning Activities (Technology/DI):

1. Smart board notes
2. Graphing Analysis Lab

Assessment/Data:

1. Rate of change Worksheet
2. Graphing practice
3. Workbook Questions
4. Topic 1 test