

# Eastport South Manor Junior-Senior High School

*"Commitment to Excellence"*

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## WEEKLY OBJECTIVES

**Subject:**

**Week #: 3**

**Date: 9/16/13**

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

Topic: Prologue

Learning Objectives:

1. Students will be able to describe the relationship between densities of different phases of matter
2. Students will be able to calculate that uniform substances have the same density regardless of volume or mass by calculating the densities of various objects
3. Students will be able to calculate the rate of change and then describe the graphing relationship and graphical appearance.
4. 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 densities of solids, liquids and gases
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. Density Lab
3. Density of liquids Lab
4. Graphing Analysis Lab

Assessment/Data:

1. Rate of change Worksheet
2. Density and graphing worksheet
3. Graphing practice
4. Workbook Questions

