

# Eastport South Manor Junior-Senior High School

*"Commitment to Excellence"*

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## WEEKLY OBJECTIVES

**Subject:**

**Week #: 12**

**Date: 11/18/13**

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

Topic: Rocks and Minerals

Learning Objectives:

1. Students will be able to differentiate between igneous, metamorphic, and sedimentary rocks by observing the minerals with in them
2. Students will be able to determine the origin of formation of all of the rocks.
3. Students will be able to identify the 5 agents of erosion

Instructional Strategies:

4. ELA Shift 3- Staircase of Complexity- Appropriate texts- Charts, Graphs, Dichotomous key for identifying all rocks
5. Mathematics Shift 5- Application- Applying knowledge to real world situations- identifying actual hand samples of rocks
6. ELA Shift 5- Writing from sources- defending identification of rocks and minerals using supporting arguments from text and Earth Science Reference Tables
7. ELA Shift 3- Staircase of Complexity- Appropriate texts- Charts & Graphs used to describe stream velocity and related sediment carrying size.

Learning Activities (Technology/DI):

8. Cookie/Rock Cycle Lab
9. Metamorphic rocks Lab

Assessment/Data:

1. Rock and Mineral Test

Other:

