

# Eastport South Manor Junior-Senior High School

*"Commitment to Excellence"*

---

---

## WEEKLY OBJECTIVES

**Subject:**

**Week #: 14**

**Date: 12/1/13**

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

Topic: Weathering and Erosion

Learning Objectives:

1. Students will be able to identify the 5 agents of erosion
2. Students will be able describe the difference in the shape of valleys carved out by streams and those carved out by glaciers
3. Students will be able to calculate the minimal velocity required to move specific sized sediments.

Instructional Strategies:

1. ELA Shift 3- Staircase of Complexity- Appropriate texts- Charts & Graphs used to describe stream velocity and related sediment carrying size.
2. Mathematics Shift 5- Application- Applying knowledge to real world situations- identifying actual locations of erosion evidence
3. ELA Shift 4- Text Based answers- using book and Earth Science reference table to answer questions
4. ELA Shift 5- writing from sources- a sediment's journey students must provide reasons for choosing the erosional agent

Learning Activities (Technology/DI):

1. Smart board notes
2. Erosion worksheet
3. Weathering lab
4. Weathering rates activity

Assessment/Data:

1. Weathering

Other: