

Eastport South Manor Junior-Senior High School

"Commitment to Excellence"

WEEKLY OBJECTIVES

Subject:

Week #: 15

Date: 12/16/13

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

Topic: Deposition

Learning Objectives:

1. Students will be able to describe the relationship between rate of deposition and stream velocity, slope, location on a meander, size, density and shape
2. Students will be able to describe the pattern of deposition for the five agents of erosion: Gravity, glaciers, running water, waves and wind
3. Students will be able to compare horizontal and vertical sorting

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 based on depositional features
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 due to depositional features

Learning Activities (Technology/DI):

1. Smart board notes
2. Deposition worksheet
3. Relationship of water to transported particles
4. A sediment's journey
5. Destination, AZ Lab

Assessment/Data:

1. Weathering, Erosion, Deposition Test
