

# Eastport South Manor Junior-Senior High School

*"Commitment to Excellence"*

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## WEEKLY OBJECTIVES

**Subject:**

**Week #: 18**

**Date: 1/6/14**

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

Topic: Water Cycle

Learning Objectives:

1. Students will be able to describe processes that occur throughout the water cycle.
2. Students will be able to calculate the percentage of open spaces within a soil sample.
3. Students will be able to compare the properties permeability, capillarity and porosity within soil of various particle sizes

Instructional Strategies:

1. Mathematics Shift 4- Deep Understanding- Applying knowledge in different situations- Experimental Labs
2. Mathematics Shift 5- Application- Applying knowledge to real world situations- examining soil and how groundwater will fill in the percentage of open space
3. ELA Shift 3- Staircase of Complexity- Appropriate texts- Charts, Graphs of soil sizes to properties of soil

Learning Activities (Technology/DI):

1. Smart board notes
2. Water movement through the ground lab

Assessment/Data:

1. Porosity/permeability exit ticket
2. Graphing relationships of size to properties of soil

Other: