

Eastport South Manor Junior-Senior High School

"Commitment to Excellence"

WEEKLY OBJECTIVES

Subject:

Week #: 7

Date: 10/15

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

Topic: Measuring the Earth

Learning Objectives:

1. Students will be able to determine the flow of a stream or a river using contour lines
2. Students will be able to identify the steepest area of a map using the distance between contour lines
3. Students will be able to calculate gradient using contour line values as well as relative closeness of contour lines
4. Students will be able to create a topographic profile of an area using a contour map

Instructional Strategies:

1. Mathematics Shift 3- Fluency- Practicing by repetition- Gradient calculations
2. Mathematics Shift 2- Coherence- across grade levels and curriculums- order of operations in gradient calculations with units
3. Mathematics Shift 4- Deep Understanding- applying knowledge in different situations- Experimental Labs
4. Mathematics Shift 5- Application- Applying knowledge to real world situations- Reading real topographic maps of various areas
5. ELA Shift 2- Knowledge in the Disciplines- reading and interpreting various texts

Learning Activities (Technology/DI):

1. Smart board notes
2. Topographic Map Lab
3. Making a topographic Profile Lab

Assessment/Data:

1. Test Topic 2

Other:
