

Eastport South Manor Junior-Senior High School

"Commitment to Excellence"

WEEKLY OBJECTIVES

Subject:

Week #: 6

Date: 10/7

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

Topic: Measuring the Earth

Learning Objectives:

1. Students will be able to determine land elevations using a topographic map
2. Students will be able to identify features of the land using contour lines
3. Students will be able to calculate gradient using contour line values as well as relative closeness of contour lines

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.

Learning Activities (Technology/DI):

1. Smart board notes
2. Topographic Map Lab
3. Red Rivers Contour Worksheet
4. Field Map Lab

Assessment/Data:

1. Latitude Longitude Quiz

Other:
