

Eastport South Manor Junior-Senior High School

"Commitment to Excellence"

WEEKLY OBJECTIVES

Subject:

Week #: 9

Date: 10/28

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

Topic: Rocks and Minerals

Learning Objectives:

1. Students will be able to identify minerals based on observable properties such as color, hardness, streak, cleavage, fracture or luster.
2. Students will be able to differentiate between igneous, metamorphic, and sedimentary rocks by observing the minerals within them
3. Students will be able to determine the origin of formation of the different rock types

Instructional Strategies:

1. ELA Shift 3- Staircase of Complexity- Appropriate texts- Charts, Graphs, Dichotomous key for identifying minerals rocks and their properties
2. Mathematics Shift 4- Deep Understanding- Applying knowledge in different situations- Experimental Labs- Identification Labs
3. Mathematics Shift 5- Application- Applying knowledge to real world situations- identifying actual hand samples of minerals
4. ELA Shift 5- Writing from sources- defending identification of rocks and minerals using supporting arguments from text

Learning Activities (Technology/DI):

1. Smart board notes
2. Mineral Lab
3. Igneous Rock Lab

Assessment/Data:

1. Quiz Minerals
2. Intro to Minerals

Other:

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