

Eastport South Manor Junior-Senior High School

"Commitment to Excellence"

WEEKLY OBJECTIVES

Subject: Earth Science

Week #: 27

Date: 3/10/14

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

Topic: Earth's History

Learning Objectives:

1. Students will be able to use the Earth Science Reference Tables to correctly locate events over earth's geologic and evolutionary history.
2. Students will be able to determine the relative ages of igneous intrusion/extrusion based on evidence of contact metamorphism
3. Students will be able to calculate the absolute age of rocks using radioactive dating half-lives.
4. Students will be able to define index fossils and use them to determine an absolute age of rock layers.

Instructional Strategies:

1. ELA Shift 2- Knowledge in the discipline- reading from text and answering regents questions based on reading- reading Page 8 & 9 of Earth science reference tables
2. Mathematics Shift 5- Application- Applying knowledge to real world situations- ordering events according to a set of laws
3. ELA Shift 6- Academic Vocabulary- defining and understanding the laws of relative age
4. ELA Shift 4- Text-based answers- students must have evidence of correct answers based on the geologic history table in the ESRT's.
5. Math Shift 3- Fluency- having students practice through homework and classwork and labs half-life calculations .

Learning Activities (Technology/DI):

1. Smart board notes
2. Matching rock layers lab
3. Regents practice questions
4. Homework problems practicing half-life calculations

Assessment/Data:

1. Half- Life Lab

Other:
