

# Eastport South Manor Junior-Senior High School

*"Commitment to Excellence"*

## WEEKLY OBJECTIVES

Subject: Earth Science

Week #: 28

Date: 3/17/14

Teacher: Spadafora, Walter, Plymale, Brisson, Hauer, Ostensen, Tietjen

Topic: Energy

Learning Objectives:

1. Students will describe how heat is transferred through different mediums.
2. Students will be able to create models explaining the movement of heat by conduction, convection, and radiation.
3. Students will be able to determine the wavelengths of the various types of energies and how it affects them daily

Instructional Strategies:

1. ELA Shift 2- Knowledge in the discipline- reading from text and answering regents questions based on reading- reading charts from the Earth science reference tables
2. Mathematics Shift 5- Application- Applying knowledge energy wavelengths
4. ELA Shift 4- Text-based answers- students must have evidence of correct answers based on the ESRT's.
5. Math Shift 3- Fluency- having students practice through homework and classwork and labs

Learning Activities (Technology/DI):

1. Smart board notes
2. Conduction lab
3. Radiation Lab
4. Phases of water lab
5. Homework problems with various charts in the Earth Science Reference Tables

Assessment/Data:

1. Energy Quiz

Other:

