

Eastport South Manor Junior-Senior High School

"Commitment to Excellence"

WEEKLY OBJECTIVES

Subject: Physical Science

Week #: 12

Date: 11/18/2013

Teacher: Aracri, Breheny, Fine, Failla

Topic: Energy

Learning Objectives:

1. Students will be able to state and apply the formula for Kinetic Energy.
2. Students will be able to determine the difference between Kinetic and Potential Energy
3. Students will be able identify different Potential energy types (GPE, Elastic, Chemical)
4. Students will be able identify different energy conversions given common household devises (toaster, light bulb, radio, flashlight)
5. Students will be able to calculate Potential energy.

Teaching Strategies:

1. SMART presentation/discussion?
2. Teacher/Student demonstration?
3. Independent and group activities?
4. Teacher directed question & answer?

Learning Activities:

1. Calculate Potential and Kinetic Energy given components
2. Apply the Law of Conservation of Energy
3. Interactive Smartboard Energy form identification
4. BNSG – Gravity

Assessment:

1. Complete Jig Saw Activity (Review as a Group)

Interactive Smartboard Activities