

Eastport South Manor Junior-Senior High School

"Commitment to Excellence"

WEEKLY OBJECTIVES

Subject: Physical Science

Week #: 9

Date: October 28 2013

Teacher: Aracri, Fine, Failla, Breheny

Topic:

Work, Power and Machines

Learning Objectives:

1. Students will be able to state and apply the formula for work.
2. Students will be able to determine the difference between an ideal and actual machine
3. Students will be able identify different simple machines (lever, pulley, inclined plane)
4. Students will be able to recognize and predict mechanical advantage through investigation during an Inquiry based lab.

Teaching Strategies:

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

Learning Activities:

1. Calculate mechanical advantage given input and output forces
2. Label different machines given pictures or descriptions
3. Interactive Smartboard lever class identification
4. BNSG – Simple Machines

Assessment:

1. Topic Exam
 2. Interactive Smartboard Activities
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