

EASTPORT-SOUTH MANOR JR. SR. HIGH SCHOOL

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WEEKLY OBJECTIVES

Subject: PHYSICAL SCIENCE

Week #: 14

Date: 12/2/2013

Teachers: Aracri, Fine, Failla, Haman, Breheny

Topic: Thermal Energy continued

Learning Objectives:

1. Students will be able to define Temperature, Thermal energy, specific heat.
2. Students will be able to explain different internal and external combustion engines.
3. Students will be able to identify a heat engine and heat mover (forced air, radiator, passive and active solar)
4. Students will be able to predict which objects will be better absorbers of radiant energy.

Teaching Strategies:

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

Learning Activities:

1. Teacher demonstrations (lab equipment)
2. Interactive Smartboard review
3. DI small group activity
4. Numerous demonstrations (specific heat, radiometer, convection, thermal expansion, heat engine)

Assessment:

1. In class discussion, Q/A
2. Thermal Energy Demo question sheet
3. Thermal Energy Test

Eastport-South Manor Central School District

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