GED SCIENCE LESSON 18

WORK AND ENERGY

Competency: Explore energy transformations in our world.

Learning Objectives:

1. Explain the relationship between energy and work.
2. Differentiate between potential and kinetic energy.

Learning Activities:

___1. Read pgs. 190-197 Steck-Vaughn GED Science text and answer all the questions.

___2. Log on at http://www.myskillstutor.com and complete the Energy exercises under Science I – Physical Sciences.

___3. View the animations about Forms of Energy, Potential and Kinetic Energy, and Converting between Energy Forms at the May the Force be With You Website.

http://www.usoe.k12.ut.us/curr/science/sciber00/8th/forces/sciber/intro.htm

___4. Recall which chemical reactant in cellular respiration contains potential energy.

___5. Explain briefly the energy transformations that are taking place during photosynthesis.

___6. Summarize the Law of Conservation of Energy.

___7. Compare the process of digesting food to the burning of fossil fuels in a mechanical engine. Is there more energy stored in the reactants or products?
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