



Lesson Plan: How Much Energy Do You Use?

Objectives:

- Students will be able to determine the amount of energy being used in their households and classroom
- Students will be able to estimate the total cost of the energy bill in their household and classroom
- Students will be able to come up with energy saving tips

Standards: (Cited from Ohio's Department of Education)

- 6-8: Describe renewable and nonrenewable sources of energy (e.g. solar, wind, fossil fuels, biomass, hydroelectricity, geothermal, and nuclear energy) and the management of these sources (pg. 121)
- 6-8: Describe that energy takes many forms, some forms represent kinetic energy and some forms represent potential energy, and during energy transformations the total amount of energy remains constant (pg. 121)
- 6-8: Analyze and interpret data from scientific investigations using appropriate mathematical skills in order to draw valid conclusions (pg. 122)

Activities:

1. Follow instructions as presented by "How Much Energy Do You Use?" worksheet
2. Have students follow the same instructions for the classroom/school building

Assessment:

- Completion of energy usage chart
- Completion of questions on energy bill in the household
- Participation in whole-class discussion on reducing energy consumption

Source: Alliance to Save Energy