



Lesson Plan: Energy Hog Challenge

Objectives:

- Students will be able to develop an awareness of how energy use changed in the United States as the country industrialized
- Students will be able to develop an awareness of how we use energy today and the energy sources used at home
- Students will be able to develop an awareness of how to use energy wisely and the effects of saving it
- Students will be able to encourage families to develop energy-efficient practices to save money and energy

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

- Grades 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)
- Grades 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)
- Grades 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 prepared by the Energy Hog Campaign including Glossary, Energy History, How Do We Use Energy?, Where Do We Get Energy?, Looking For Energy Hogs

Assessment:

- Completion of Worksheets
- Participation in discussion
- Completion of homework assignments

Source: Alliance to Save Energy / EnergyHog.org