



Lesson Plan: Crunch the Numbers

Objectives:

- Students will be able to read information and charts on energy
- Students will combine math and science to discuss energy usage in the United States

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

- 3-5: Describe Earth's resources including rocks, soil, water, air, animals, and plants and the ways in which they can be conserved (pg. 108)
- 3-5: Summarize the way changes in temperature can be produced and thermal energy transferred (pg. 109)
- 3-5: Describe how technology affects human life (pg. 109)
- 3-5: Organize and evaluate observations, measurements, and other data to formulate inferences and conclusions (pg. 110)

Activities:

1. Have the students read the numbers in pairs or small groups
2. Together, have the students answer the questions below
3. Give out paper and any information students need on how to make a bar graph and pie chart in order to answer questions 12, 15, and 16
4. Have groups share their answers with each other
5. Convene and discuss answers as a class

Assessment:

- Cooperation in groups
- Completion of questions
- Completion of the three charts/graphs
- Participation in group discussion

Source: Energy Information Administration