



Knowledge is power

An Energy Efficiency Curriculum Supplement for K-8 Texas Schools
developed by Watt Watchers of Texas
for the State Energy Conservation Office/Comptroller
of Public Accounts

1-888 US WATTS

wattwatchers.org

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Knowledge is Power is an energy efficiency curriculum supplement for grades K-8 developed by Watt Watchers. The lesson plans on energy conservation and energy efficiency are correlated to the Texas Essential Knowledge and Skills (TEKS) and include starter activities, extensions and discussion questions. The lessons range from coloring pages and school lighting surveys to cost effective buying and appliance surveys. Knowledge is Power covers a broad subject range including math, science, social studies, and language arts.

example of lessons available:

secret mission behind power lines:

- This lesson allows students to survey the school for energy waste or savings. Determine if being Watt Watchers will save energy and money for your school using math, science, social studies and reading skills.

energy trip ticket:

- Students learn about wasting energy, conserving energy, energy crisis and what to do about it by doing this hands on, minds on, classroom activity using social studies, math, science, and language arts skills.

conserving electricity: turn it off

- Students learn why saving energy helps reduce air pollution. They will also learn how electricity is produced and sent to homes, schools, and businesses while using science, social studies, and language arts skills.

home energy survey:

- Students conduct a home energy survey and answer questions to learn about appliances and air leaks in the home. Students discuss ways to save energy and develop a plan to start saving energy at home using science, social studies and language arts skills.

Knowledge is Power is very easy to access. You can locate the lesson plans on the Watt Watchers of Texas website at wattwatchers.org or the Watt Watchers CD-ROM. a printed copy of the lesson plans is also available -give us a call at 1-888-US WATTS and we will mail a set to your school.

air leakage at home:

- Students learn how to stop air leaks in the home by installing switch plate and plug sealers and making draft dodgers. This will help the students become better energy savers and involves using math, science, social studies and reading skills.

the pay me game:

- Students will use play money to understand the dollar cost of their energy bills by using math and science skills.

how much energy do you use?

- Students will do a home energy survey, which will help them determine which appliances in their homes are energy gobblers. They will work on utility usage math problems and the results using science, math, social studies, reading and writing skills.

incandescent vs. fluorescent - battle of the bulbs:

- Students will learn how to be energy efficient at home. They will do a home energy survey for fluorescent lights and compare the watt-hours used by a compact fluorescent light and incandescent light using math, science, and social studies skills.

Watt Watchers of Texas
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