

FREE! From PG&E



A New Energenius® Program – For grades 4-6

Energy Check-Up for the Environment

This Energenius program helps students learn where energy comes from and how it is used in their school and homes. They focus on energy efficient habits that can save energy and reduce the impact of energy use on the environment. As part of this mini-curriculum unit, students will complete surveys and energy check-up activities to learn how smart energy habits can conserve natural resources. This program can be used as a stand-alone material or as part of a larger unit on energy and the environment.

Curriculum – 3 lessons

The teacher guide features detailed lesson plans, a glossary, background information, Web sites, and suggested activities to extend the lessons. A chart is provided to illustrate how the lessons correlate to California Content Standards. **One per teacher.**

Energy Check-Up for the Environment Workbook

A student activity book introduces students to using and writing their own surveys to gain information about energy use. Students do check-up activities at home and school and determine how they can be more energy efficient. As they focus on good energy habits, they learn how by not wasting energy they are helping to protect the environment. A crossword puzzle, a glossary and a list of Web sites are all part of the student book. **One per student.**

BONUS: This Energenius Program includes a take-home **E Poster** for parents and guardians. The poster provides information on energy efficiency and energy-saving tips.

Order your **FREE** Materials now!
www.pge.com/energenius

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Energy Check-Up for the Environment

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- ✓ Energy Connections
- ✓ Student Activities
- ✓ Energy Surveys

How to be Energy Efficient

Soccer and basketball players are efficient when they do not waste steps. An efficient automobile gets more miles on a gallon of gas than an inefficient one. People are energy efficient when they use only as much electricity as needed to do a certain task. Being energy efficient means not wasting energy.

Directions: List five ways that you can be energy efficient. Review the list on page 3 that shows your daily energy use. Can you think of ways some of this energy might be saved?

My Energenius Example: Keep it...

Activity 4: Let's Find Out More about Our Energy Use

Directions: Read the six sentences below about your energy use. Are they always true? Sometimes true? Or never true? Put a check mark in the circle under the word that best describes your energy use.

Example: I turn off the television when no one is watching it.

In my home:

	Always	Sometimes	Never
1. I put on warm clothes before asking for the heater to be turned up.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2. I leave the refrigerator door open a long time before deciding what to take out to eat.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3. I turn off lights when leaving a room.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4. I take long, hot showers or baths filled to the edge of the tub with water.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5. I let the water run while I brush my teeth.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6. I keep windows closed when the heater or air conditioning is working.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Creating an Energy Use Survey

Directions: Write one survey item for each of the appliances or the equipment listed below. You can use your My Energy Use Log (page 3) and My Energy-Saving Ideas (page 4).

Your teacher will ask you to present some of your survey items to the class.

Example: Heater or Furnace
 When it's cold, I wear warmer clothes instead of turning up the heater.

Your survey item: _____

Energy Extras

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Save Energy and Make a Difference for the Environment

Your family can help the environment in a big way by taking energy-saving actions in your own home. We use energy to light our homes and power our televisions, video games, washers, refrigerators, and other appliances. Most of the energy to make these things work comes from power plants that burn fossil fuels that give off greenhouse gas emissions which contribute to global climate change.

Save Energy - Save Money on Your Utility Bill - Protect the Environment

- Check out the energy-saving actions on this poster that your family can take right away.
- Make a saving energy or daily habit.
- Make a pledge to begin or continue the energy-saving actions listed on this poster.

8 Energy-Saving Tips

- Flip That Light Switch!** Turn off lights when you leave a room. Turn off lights when you go to bed. Turn off lights when you wake up.
- Make a Lighting Change!** Turn off lights when you leave a room. Turn off lights when you go to bed. Turn off lights when you wake up.
- Remember to Unplug Energy Hound!** Turn off energy-saving devices when you are not using them. Turn off energy-saving devices when you are not using them.
- Let the Dishwasher Wash!** Wash dishes in the dishwasher only when it is full. Wash dishes in the dishwasher only when it is full.
- Heat Your Home Smartly!** Turn down the thermostat during the winter months. Turn down the thermostat during the winter months.
- Use the Energy from the Sun!** Turn on the lights during the day. Turn on the lights during the day.
- Keep It Cool!** Turn on the air conditioning during the summer months. Turn on the air conditioning during the summer months.
- Build and Clean!** Turn on the water during the day. Turn on the water during the day.

Our Family Will Make a Difference for the Environment!

Please check on the pledge and ways that your family will save energy. This might not be just this and where everyone can see it.

Save the poster over to learn more energy-saving actions to help you protect the environment.

Pacific Gas and Electric Company