



In this activity, your class will discover why saving energy is important, explore how the school uses energy, and identify ways to become energy-saving heroes together.

LEARNING OBJECTIVE:

- Recognize that energy conservation is important
- Formulate suggestions on how to conserve energy in real-world situations

DURING THIS ACTIVITY, STUDENTS WILL:

- Identify ways energy is wasted
- Identify ways to save energy
- Educate others about what can be done to reduce energy waste

MATERIALS:

- **Power Detective Checklists** (on reused paper)
- Clipboards and pencils
- **Energy-Saving and Energy-Wasting cards**
- Tape or sticky tack



GRADE LEVEL: K-6

Instructions

1. Start by discussing why we need to be careful about how much energy we use.
2. Hand out the **Power Detective Checklist** and go through the lists together. Explain that you are going to do some detective work to find ways the school is saving energy and wasting energy.
3. Once you have finished, discuss the results. Prepare some **Energy-Saving and Energy-Wasting** cards. Have club members decide which messages to share on the cards. Stick the cards up around the school to show other students where energy is being saved or wasted.

Power Detective Checklists

ENERGY SAVING

- Lights turned off when a room is empty
- Energy-saving mode used on computers or screens
- Use of natural light instead of overhead lights
- Classroom doors kept closed to help heating or cooling
- Energy-efficient light bulbs (like LED bulbs) being used
- Power strips turned off when electronics are not in use
- Timers or motion sensors controlling lights in less-used areas
- Photocopiers and printers in energy-saving mode when not being used

ENERGY WASTING

- Lights left on in empty classrooms or hallways
- Computers and projectors left on in classrooms when not in use
- Chargers plugged in without anything connected
- Windows open when heating is on
- Overhead lights on when there is enough daylight
- Fridges or freezers open too long in the cafeteria
- Windows with only one pane of glass
- Screens left on when nobody is around

Did you notice something not on this list?

Write it here:

Energy-Saving and Energy-Wasting Cards

LEAVE AT PLACES WHERE YOU SPOT GREAT ENERGY-SAVING ACTIONS OR OPPORTUNITIES TO IMPROVE.

Energy-Saving Cards, sample messages:

- *Turning off lights, computers, or devices when not in use.*
- *Using natural light*
- *Closing doors to keep rooms a comfortable temperature*

☀ GREAT JOB! WE'RE SAVING ENERGY! ☀

We're helping the planet by:

Collecting rainwater to water the classroom plants!

Thank you for making our school greener! ❤

Energy-Wasting Cards, sample messages:

- *Turn off lights, computers, or devices when no one is using them*
- *Keep doors and windows closed to save heating*
- *Use natural light instead of overhead lights when it's sunny*

⚠ OOPS! ENERGY IS BEING WASTED HERE! ⚠

Here's how we could save energy next time:

Turn the lights off when you're not in the room!

Let's work together to make our school eco-friendly! 🌍

☀ GREAT JOB! WE'RE SAVING ENERGY! ☀

We're helping the planet by:

Thank you for making our school greener! ❤

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