



Activity: Energy Audit

Background:

Have students conduct a simple home energy audit using the form provided. This will get them focused on a variety of simple ways they can start conserving energy at home. You can adapt this form to conduct a school audit, too.

Point Value:

8 points

Key Themes:



Energy
Conservation

Procedure:

1. Send your students home with this easy energy audit. Encourage them to complete the audit with their family, so everyone can see the results.
2. Discuss the question "What changes can I make at home to use less energy and water?" Create a list of the reasons on the board and have students copy them on the provided worksheet.
3. Extension: Modify this audit to complete in your classroom/school.
4. Students and their parents can learn more about making their homes more energy efficient by visiting www.energy.gov/public-services/homes

Materials:

Provided by Museum:

- Energy Audit Worksheet

HOME ENERGY AUDIT

WATER USE

How many minutes do you spend in the shower? _____ minutes

Do you leave the faucet on while you brush your teeth? YES NO

How many faucets are there in your house? _____ faucets
How many faucets are leaky? _____ faucets



How many toilets in your house? _____ toilets
Do any of the toilets run? YES NO



How long is the clothes washer cycle? _____ minutes

How long is the dishwasher cycle? _____ minutes

Do you use a sprinkler to water the lawn? YES NO
How often per week? _____ hours/week

ENERGY USE & ENERGY LOSS

Count the number of:
Incandescent Lights Bulbs _____ bulbs
CFL Bulbs _____ bulbs



How many windows are in your house? _____ windows
How many windows have cracks in them? _____ windows
How many windows don't close completely? _____ windows



Do you leave the television on when you leave the room? YES NO

How many things are plugged in around your house? _____ things
How many of these things are currently being used? _____ things



Does your house have solar panels on the roof? YES NO

