

Lesson 10:
Energy efficiency



Part of Energy Queensland



ENERGY DETECTIVES





Today's task!

In today's lesson we will be understanding what energy efficiency is, and why it is important appliances are as efficient as possible!



Learning intentions:

- Explain what energy efficiency means
- Identify ways household appliances can waste energy
- Suggest practical ways to reduce energy waste at home

What is energy efficiency?

Using the data gathered in our previous lesson, we will calculate how much different appliances will cost to run!

Energy efficiency means using less energy to do the same task.

- Why do you think it is important to use less energy?
- What do you think it means to waste energy?

Below are some common household items. Discuss as a class ways these items might waste energy:



Ways to save energy and improve energy efficiency

It is important to ensure appliances are as efficient as possible to help save energy! And there are things that we can do to help!



Turn off lights when leaving a room



24°C

Set aircons to 24 degrees



Unplug chargers and devices not in use



Use energy-efficient bulbs (LEDs)



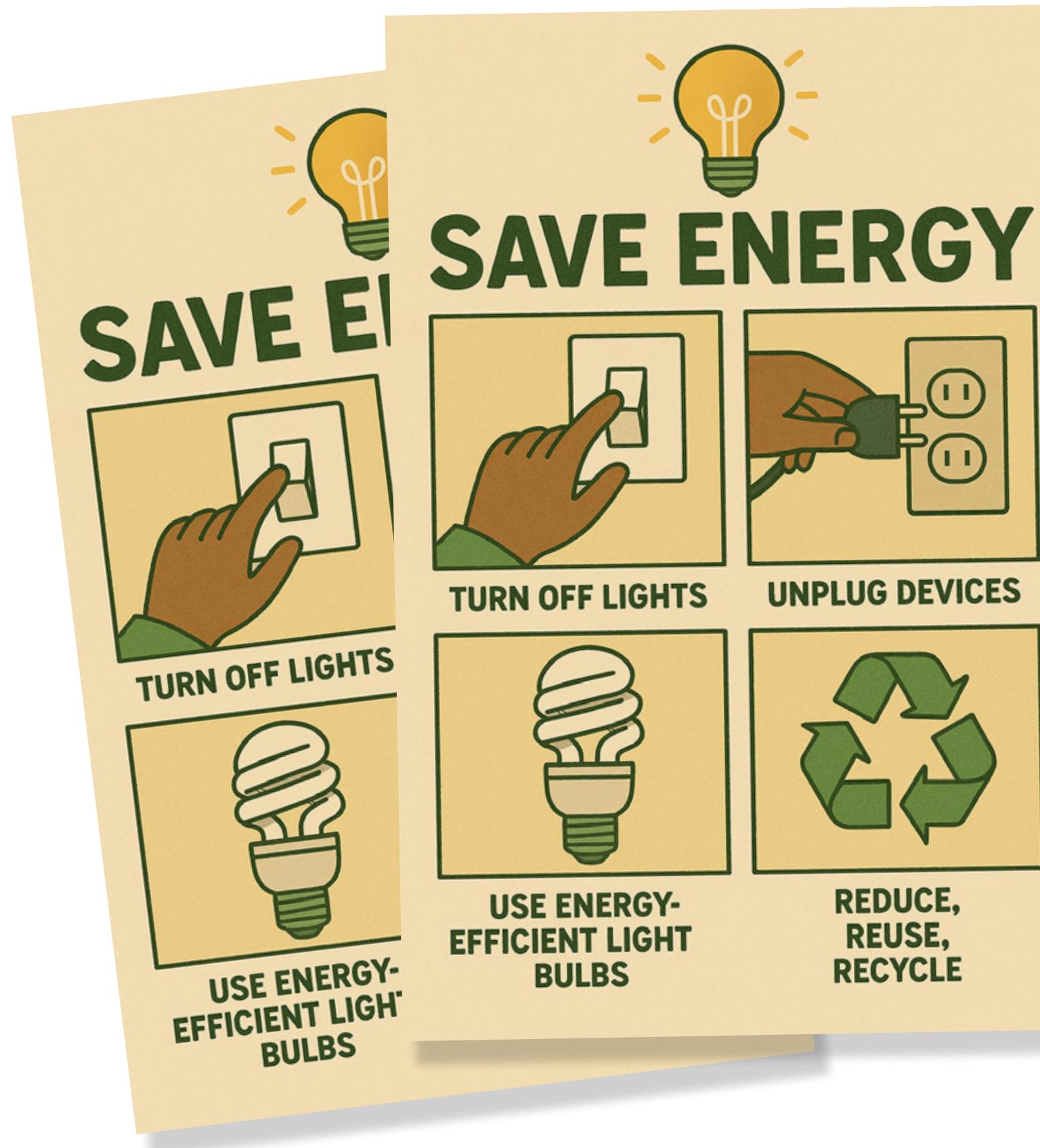
Close fridge doors quickly



Keep appliances clean and well-maintained

Energy saving checklist

Your mission today is to create a poster check-list with energy savings tips for the home or school!



In pairs on a blank piece of A3 paper, use the information about energy efficiency to make a poster about what energy efficiency is and ways to improve energy efficiency.

Include at least 3 drawings on your poster!