

ENERGY & CLIMATE ACTION AUDIT

Name: _____

Grade: _____

INTRODUCTION

I wonder...

What are the ways we use energy in school?

Switch on the lights.



Where does the electricity come from that makes the light work?

Electricity in South Africa comes from burning coal. This is very bad for the environment. It causes:



These all add to global warming and Climate change.

How energy efficient is your school?

Saving electricity is not only good for the environment it can also save your school money.

- Does your school try its best to save electricity?

ACTIVITY

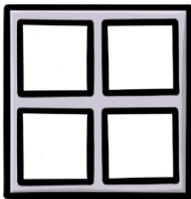
Let us do an energy audit to look at the way we use electricity in our classroom.

Safety First

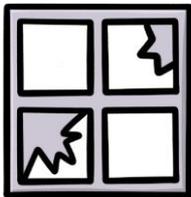
- Please treat all equipment as live.
- Do not touch hot/heated objects.

Classroom Energy Audit

Wonderful Windows



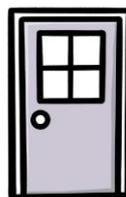
How many windows are in your classroom?



How many of these are broken windows?

Shut the door!

Does your classroom door close properly? Put a tick next to the correct picture.

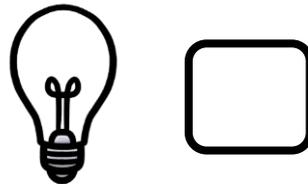


Time to think!

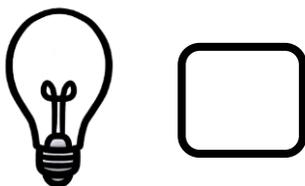
A broken window or open door means air can get in or out of the classroom. What does this mean for energy use, it can be good and bad? (Hint - think heaters or air conditioners)?

Let there be light.

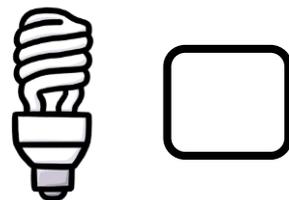
- How many lightbulbs does your classroom have? Write the answer in the box.



- How many are energy saving bulbs and how many are normal light bulbs? Write the number in the box.



Normal



Energy saving

Time to think!

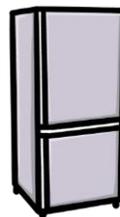
Energy saving lights can use 75% less electricity than regular bulbs. How can you reduce electricity usage in the classroom using just light bulbs?

Ace the Appliances

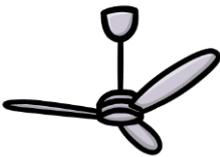
Place a tick in the box if your classroom has the following appliances.



Heater



Fridge



Ceiling fan



Kettle



Laptop or computer



Standing fan

Time to think!

How can these appliances affect your electricity use? Which ones do you really need?

ACTION PLANNING

Commit to change

We can all do something to help reduce electricity usage.

Circle three things you can do in your classroom.

- Use energy saving light bulbs.
- Wear a jersey instead of using a heater.
- Open a window in summer for a cool breeze.
- Fix the windows so they can be closed when it is cold.
- Switch off lights when you leave the classroom.

Think of one of your own ideas to help reduce electricity and write it below.
