



How to save energy
Senior Phase (Grade 7) (CAPS)
Learner activity sheets and resources
English Home Language



How to save energy



Dear Learner,

The demand for electricity is growing. Building new power stations to increase the supply of electricity is costly, time consuming and is only one of the possible solutions towards producing more electricity. Increased use of electricity means we use up our limited natural resources and means we pollute more.

An immediate solution is to change the way in which we use electricity – that is using electricity wisely without wasting.

Eskom kindly asks you, the learner, to please put into practice different ways of using electricity wisely. You are going to learn a lot in energy education. Some of the things you will learn are:

- the changes in technology (use energy-saving lights instead of the traditional old lights),
- how to use technology more wisely (using the switch to switch off remote controlled appliances instead of the remote),
- other energy-wise saving tips,
- and how using energy wisely helps to care for our environment – our earth.

Do not worry, the energy education will be part of your school work. Be alert and become an example of how to use energy wisely. Share all that you learn with your friends, family and community. Remember to be energy-wise wherever you are – at home, at school and in other places.

Thank you for taking care of our earth.

Activity 1: Picture interpretation



Study the following picture and then answer the questions.



The family in the picture depends on using the common type of appliances which consume more electricity.

Questions

1. List the appliances that use electricity shown in the picture.
2. Why do you think it is necessary to save electricity?
3. Why do you think there is no need for the light to be on?

4. In your own words give reasons why the family is not using electricity wisely. Use examples from the picture.
5. Who do you think should be responsible for saving electricity in the family?
6. You are a part of the family. Give advice to the family on how to use electricity wisely by correcting the mistakes shown in the picture.
7. The TV has a remote control. What do you think is the correct way to switch the TV off when they go to sleep at night? Explain your answer.

Activity 2: Interpreting an advertisement



Read the advertisement carefully.

Discuss the advertisement with your friends and then fill in answers to the questions.

Energy-saving

It is now necessary!
Stay chilled with our new refrigerator.
Definitely uses 34% less energy than old refrigerator

Some energy-saving tips:

- Close your fridge door quickly so it does not use extra power to get back to its cooling level
- Switch off lights in unoccupied rooms
- Use natural light whenever you can.

Energy Experts - 28 Universe Road, Durban
VISIT US TODAY

1. Who do you think the advert targets? Why do you say this?
2. Why do you think the advert starts with “energy-saving”?
3. The phrase “it is necessary” immediately follows “energy-saving”. Why do you think it is necessary to save energy?
4. How does the design of the advert persuade the reader? [Hint: Look at font types and size/headings/relevance of the picture/choice of words/use of language/length and size].
5. What promise does the advert make?
6. Do you think that the company is really interested in the environment and saving electricity? Give a reason for your answer.
7. List three ways in which you can save electricity at home as given in the advert.

WHAT IS POWER ALERT?

Power alert is real time messaging asking consumers to switch off to save energy.

It is the green, orange, red and black alerts on SABC, e.tv and DSTV. They communicate how much electricity is available and, if necessary, ask you to switch off unnecessary lights and appliances if the demand for electricity becomes too high - especially between 5pm and 9pm on weekday evenings. If you switch off immediately when you see a Power Alert on the television you and your family make a real difference, because you help to save electricity in South Africa



POWER ALERT COMPRISES 4 STAGES:

01

A **GREEN** alert tells you there is enough electricity but asks you to switch off all lights you do not need.



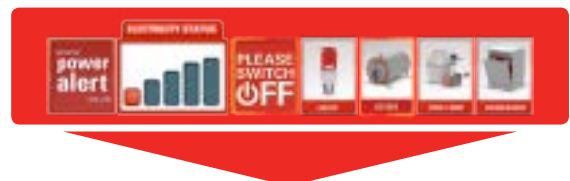
02

An **ORANGE** alert tells you the electricity supply is under pressure and asks you to switch off all lights you do not need plus your geyser and swimming pool pump.



03

A **RED** alert tells you the electricity supply is under much pressure and asks you to switch off all lights you do not need plus your geyser, swimming pool pumps and all other unnecessary appliances.



04

A **BLACK** alert tells you the electricity supply is under most pressure and asks you to switch off everything except your television and one light in the television room.



Go to www.poweralert.co.za for real-time information on the electricity supply.