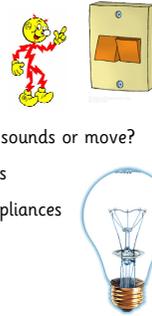


Does it use electricity?

Finding Out About Electricity



- ✔ Electrical energy
- ✔ Plugs, sockets and cables
- ✔ Finding electricity
- ✔ Light up – heat up – make sounds or move?
- ✔ Links to Interactive websites
- ✔ QCA Section 1- Finding Appliances



Have you ever heard anyone say that you are full of energy?

Electricity is a kind of **energy**. It makes things happen.

Electricity can light up a light bulb or heat up a toaster to make toast for your breakfast. It's very useful!



Lots of things that use electricity have a **plug** like these.

The plugs fit into a **socket** on the wall. Electricity flows through **cables** in the wall and goes through the plug and down the **flex** to make things work.



If we look we can find electricity all around us. When you switch on a light or turn on the television you are using electricity. Lots of things that we use every day need electricity to make them work.

Can you think of some of the things in your classroom that have a plug and use electricity?

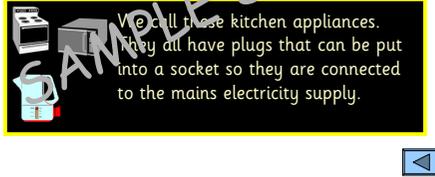
We won't work without electricity!



Electricity is used to light and heat our homes. It is also used to run machines and many of the things we use.

How many other things can you think of that have a plug and use electricity?

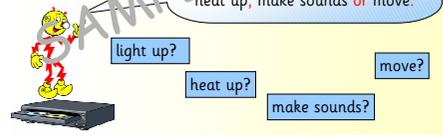
All these kitchen appliances. They all have plugs that can be put into a socket so they are connected to the mains electricity supply.



Everyday appliances use electricity.

Electricity can make things light up, heat up, make sounds or move.

When you see the appliances on the next slides you can decide whether electricity makes them light up, heat up, make sounds or move.



Without electricity phones wouldn't ring and you couldn't speak to anyone else.



If your radio has to be plugged in it needs electricity.

Washing machines use electricity. They wash our clothes by spinning them around.

Light bulbs need electricity too.

Some clocks need electricity to work.



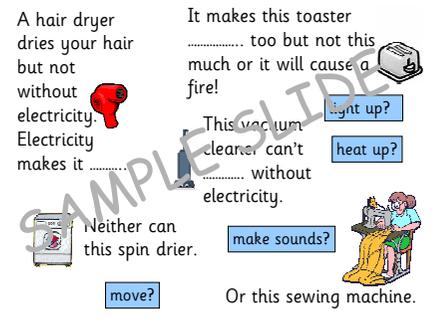
A hair dryer dries your hair but not without electricity. Electricity makes it

It makes this toaster too but not this much or it will cause a fire!

This vacuum cleaner can't without electricity.

Neither can this spin drier.

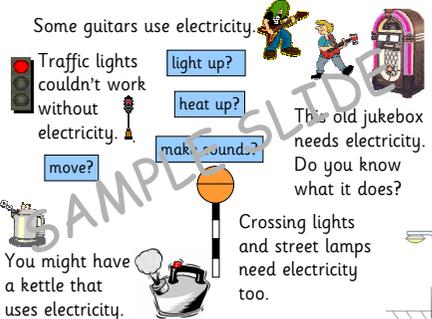
Or this sewing machine.



Some guitars use electricity.

Traffic lights couldn't work without electricity.

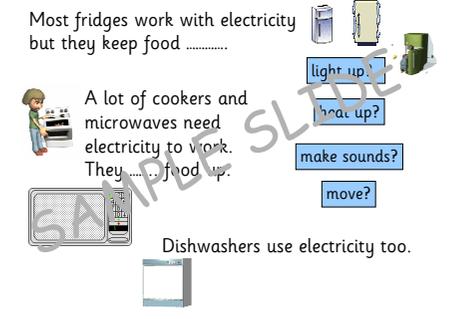
You might have a kettle that uses electricity.



Most fridges work with electricity but they keep food

A lot of cookers and microwaves need electricity to work. They food up.

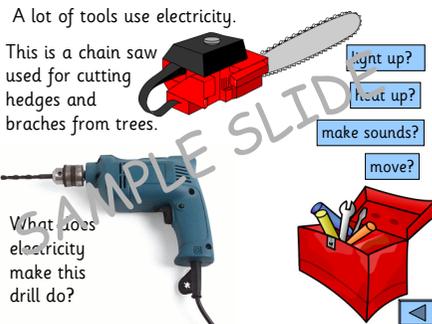
Dishwashers use electricity too.



A lot of tools use electricity.

This is a chain saw used for cutting hedges and branches from trees.

What does electricity make this drill do?



Using Electricity (ngflcym) [Click Here](#)

See also [PL](#)s downloaded from web and included in this folder.

[QCA Link](#)

Unit 2F: Using electricity Section 1: Finding electrical appliances

Objectives -Children should learn:

- that everyday appliances use electricity; these include things that light up, heat up, produce sounds and move

Activities

- Explore the classroom and identify appliances which use mains electricity and those which do not. Talk about electricity and its potential dangers with children. Visit other parts of the school, identifying other electrical appliances, plug sockets and lights. Help children to make a record of all the appliances identified, together with their use. Group the appliances into categories depending on what they do. Talk with children about those that are difficult to group.

Outcomes - children

- identify appliances which use electricity eg lamp, tape recorder, television and those which do not eg pencil-sharpener, stapler
- record the appliances in categories and justify the groupings eg say that the tape recorder and the radio both make sounds

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