



Somerset Bridge Primary School
Aspire - Brave - Care - Collaborate

Electricity Around Us



Many things we use everyday are powered by electricity.



Some appliances are powered by batteries.

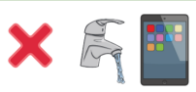


Some appliances are powered by mains electricity (they use a plug).

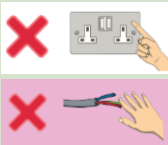


We are careful around electricity by:

Keeping water and electricity away from each other



Not touching sockets or pulling wires



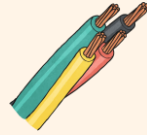
Science - Year 4 Electricity

Conductors and Insulators



Some materials let electricity through them. These are conductors:

Copper wires



Metal coins



Some materials stop electricity going through them. These are insulators:

Plastic

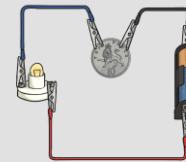


Wool



Being a Scientist

We can find out about insulators and conductors by setting up an enquiry. We will test different materials in our circuit to see which let electricity through.



Key Vocabulary



precautions

The things we do to be safe.

appliances

These are machines that use electricity.

mains

This is when power comes from the national grid into sockets.

conduct

This is when electricity can move through a material.

insulate

This is when materials don't let electricity through.

circuit

A complete circuit allows electricity to flow all the way around.

Parts of a circuit:

Bulb or lamp



Wire



Battery



Switch

