

# Science Knowledge Organiser

## Electricity (Term 3)

## Year 4

### Our learning

In our science lessons this term, we will be learning about electricity. This is part of the **physics** aspect of science. We will learn about the **cause and effect** of simple scientific **processes**.

As well as learning about how electricity works, we will also discuss how to use electricity safely.

### Information

Lots of things in the home use electricity to power them (e.g televisions).

Some materials are **electrical conductors** such as copper. They let electricity pass through them.

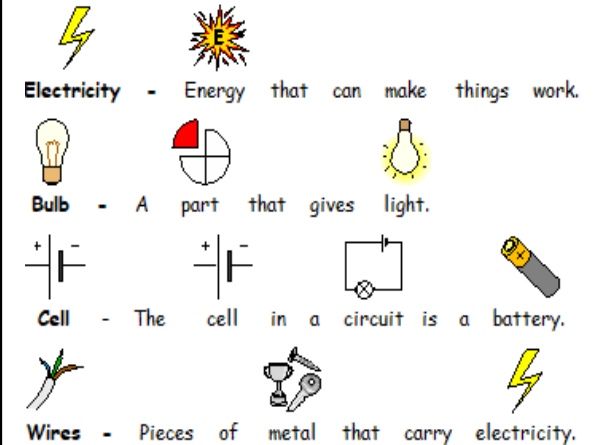
Some materials are **electrical insulators**, such as plastic. They do not let electricity pass through them.

A switch can be used to open (break) or close (complete) a circuit . When the switch is closed the electricity will travel around the circuit.

A battery is stored electricity.

Electricity is very important but it can also be very dangerous.

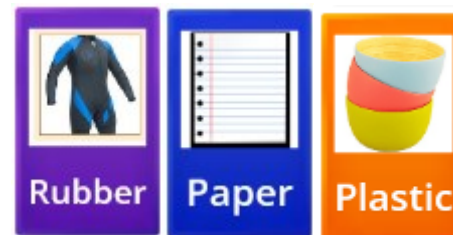
### Vocabulary



#### Electrical conductors



#### Electrical insulators



### As a scientist I will...

- Recognise when a fair test is necessary.
- Make careful observations (what you see).
- Answer questions using scientific **evidence**.

A simple circuit

