

Science Knowledge Organiser

Electricity (Term 1)

Year 6

Our learning

In our science lessons this term, we will be learning about electricity.

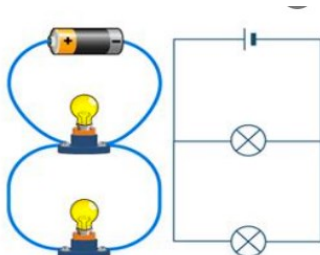
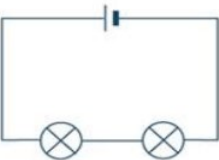
This is part of our **physics** work in science. We will think about the **cause and effect** within electricity .

We will learn about the effect each **component** has on an **electrical circuit**.

Simple/ series circuit



Parallel circuit



Information

All **electrical components** have **symbols**.

A battery is a number of **cells** connected together.

The number of cells in a **circuit** can affect the **brightness** of a bulb or the **volume** of a buzzer.

Circuits are either **simple/series or parallel**.

Each **component** in a circuit has a different job to do.

A circuit diagram uses the symbols to represent the components in the circuit.

A circuit will only work if it is complete with no breaks.

As a scientist I will...

- Make predictions using scientific vocabulary based on my ideas from other investigations.
- Make decisions about the observations I make and use my results to suggest further tests.

Vocabulary

Simple/series circuit- all of the components are arranged in a line, with a single loop of wire making up the circuit.

Parallel circuit-a circuit that splits off into multiple paths with one or more components on each.

Components—the parts that make up a circuit.

Symbols—something that stands for something else.



battery



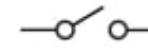
electricity



bright



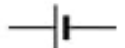
volume



open switch



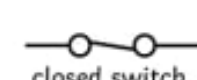
motor



cell



buzzer



closed switch



Lamp/bulb

