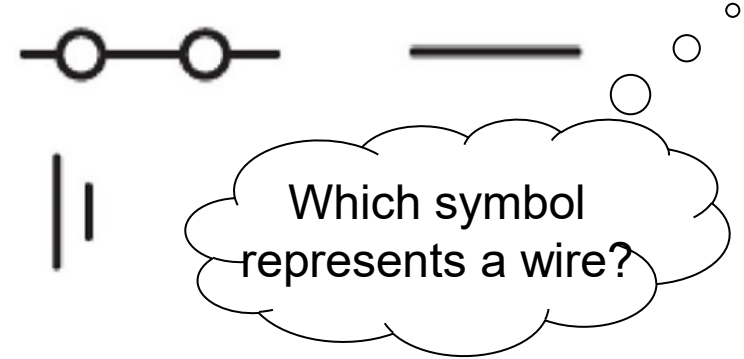


Science - Year 6 – Summer 1 – What happens when we change the components of an electrical circuit?

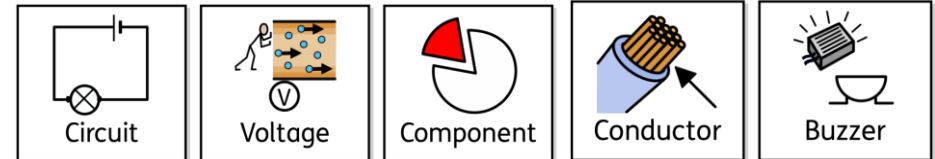
What I need to know by the end of this unit:

- A simple series electrical circuit can include cells, wires, bulbs, switches and buzzers.
- Simple series circuits can be represented by drawing simple circuit diagrams.
- Electrical current can only flow if there is a complete circuit.
- Wires allow electrical current to flow around a circuit.
- A lamp will only light if it is part of a complete loop with a battery.
- A switch functions by completing or breaking a complete circuit.
- The higher the voltage, the stronger the push of energy.
- A battery consists of two or more cells.



Vocabulary Focus – Top 5!

- **Circuit** – a closed path that energy can flow through.
- **Voltage** – a measure of the difference in electrical energy between two parts of a circuit.
- **Component** – a basic part in a circuit that uses electricity to make something happen.
- **Conductor** – an object or material that allows the flow of charge (electric current) in one or more directions.
- **Buzzer** – an electrical device that generates audible sound.



SDG and Lyfta Link:

Lyfta Lesson - Asalif in Ethiopia – Design and make your own electrical game.

SDGs: 3, 4 and 7

