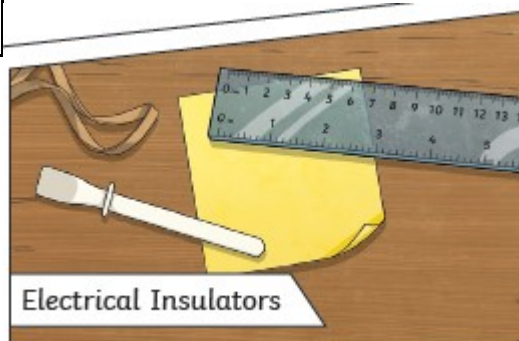
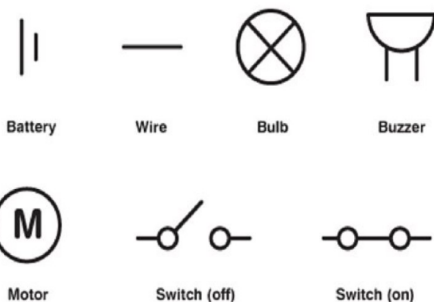


# Science - Electricity Year 4 - Spring 1



## Key Vocabulary

Electricity	The flow of an electric current through a material e.g. from a power source through wires to an appliance.
Generate	To make or produce.
Appliance	A piece of equipment or a device designed to perform a particular job, such as a washing machine or a mobile phone.
Battery	A device that stores electrical energy as a chemical.
Circuit	A pathway that electricity can flow around. It includes wires and a power supply and may include bulbs, switches, motors and buzzers.



## Resources

- Variety of electrical equipment
- Wires, batteries, bulbs, motors

## Safety Cards

Card 25 - Electricity  
Card 26 - Safety  
Card 27 - Batteries  
Card 28 - Circuits

What key knowledge will I have by the end of this unit?

- A source of electricity (mains or battery) is needed to make electrical devices work.
- Batteries push the electricity round a circuit.
- More batteries push harder.
- A complete circuit is needed for electricity to flow. Incomplete circuits don't work.
- Insulators don't allow electricity to flow.
- Conductors allow electricity to flow.

What key skills will I have by the end of this unit?

- Safety in science
- Classifying – Venn diagram sorting - sources
- Data Recording – annotated diagrams / tables
- Predictions based on previous tests – effect of more batteries
- Conclusions based on data – insulators and conductors

In KS1:	In Year 3:	In Year 4:	In Year 5:	In Year 6
<ul style="list-style-type: none"> <li>Creating circuits as part of Science day</li> </ul>				<ul style="list-style-type: none"> <li>Drawing circuit diagrams</li> <li>Investigating current and voltage</li> </ul>