

Living things and their habitats	Animals including humans	States of matter	Sound	Electricity
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Year 4 – Electricity

Knowledge

- To know the names of common appliances that run on electricity
- To know what a circuit is
- To know the parts/components of a circuit
- To know what makes a circuit work
- To know how a switch works
- To know what conductors and insulators are

Skills

- **recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables**
This could be achieved by constructing a circuit and drawing a labelled diagram with non-standard images to record findings. (Observations)
- **reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions**
Use a circuit to test whether materials are conductors or insulators, record information in tables and explain results. (Pattern seeking)
- **using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions**
Use knowledge of a circuit to make predictions about which materials would be insulators or conductors. Use results from the enquiry into insulators/ conductors to raise further questions. (Grouping & Classifying)

<u>Vocabulary</u>	
Buzzer	Conductor
Insulator	Bulb
Electricity	Symbol
Component	Motor
Cell	Copper
Battery	Open
Lamp	Closed
Switch	Series
Circuit	Parallel

Preload

- Electricity (Y6) – look at what happens when more cells are added or more bulbs/buzzers. Brief discussion as to why.