



Mickleover Primary School – Science Knowledge Organiser

Title: Electricity

Year Group: 6

Term: Autumn 1

Vocabulary you will know...

amps	Unit of measurement for electrical current
battery/cell	Device that stores energy. A cell is a single unit; a battery is a collection of cells
circuit	The path that an electrical current can flow.
electrons	Small particles that travel around an electrical circuit.
resistance	The difficulty that the electric current has when flowing around a circuit.
symbol	A simple picture that represents something else.
voltage	The force that makes an electric current move through wires.

Key Learning

- To know the key components of a circuit.
- Use the correct symbols to draw an accurate circuit diagram.
- To know what will make a bulb brighter or dimmer in a circuit.
- To know what a series circuit is.

Working scientifically

- Set up a circuit to see how the number of cells affects the brightness of a bulb or the loudness of a buzzer.
- Plan an investigation to test the function of components in a circuit
- Report and present findings from enquiries, including conclusions, relationships and explanations

What will I be able to do by the end of the unit.....?

- Explain how the brightness of a bulb or the volume of a buzzer is affected by the number and voltage of cells used in the circuit
- Compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches
- To use recognised symbols when representing a simple circuit in a diagram

