

# Year 6: Electricity Knowledge Mat

Subject Specific Vocabulary		Circuit Symbols	Important Knowledge														
circuit	A complete path that an electric current can flow around.	<table><tr><td>cell</td><td></td></tr><tr><td>battery</td><td></td></tr><tr><td>wire</td><td></td></tr><tr><td>bulb</td><td></td></tr><tr><td>buzzer</td><td></td></tr><tr><td>motor</td><td></td></tr><tr><td>switch</td><td></td></tr></table> <p>Adding bulbs to a circuit will make each bulb dimmer</p> <div></div>	cell		battery		wire		bulb		buzzer		motor		switch		<ul style="list-style-type: none"><li>I know how changing the voltage of cells in a circuit affects the brightness of a lamp.</li><li>I know how changing the voltage of cells in a circuit affects the loudness of a buzzer.</li><li>I know how parts of a circuit function.</li><li>I can draw a diagram of a circuit and use symbols to represent: cells, wires, lamps/bulbs, buzzers, switches and motors.</li></ul>
cell																	
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circuit symbol	A symbol used to represent various electronic components or functions in a diagram of a circuit.																
circuit diagram	A visual representation of an electrical circuit.																
current	A stream of charged particles, moving through an electrical conductor or space.																
voltage	Voltage measures the energy that is transferred to a device in a circuit. It is measured in Volts. Mains electricity carries a voltage of 210-240 volts. A typical cell in school has 1.5 volts.																
anomaly	A result that is not normal or is unexpected.																
analyse	To examine something methodically and in detail, in order to explain and it.																
interval	A period between 2 events or times.																
hypothesis	An idea for something that has not yet been proved:																
refute	To say that a person, statement or idea is wrong.																