
















## Science Sumer 1: Electricity

### Science Vocabulary

<b>Lesson 1</b>	Electricity, electrical circuit, complete circuit, circuit symbol, components, cell, battery, positive/negative, connect/connection, loose connection, wire, crocodile clip, bulb, bright/dim, switch, buzzer, volume, motor, fast(er)/slow(er), voltage, current, conductor, insulator, metal/non-metal, enquiry question, investigation, findings
<b>Lesson 2</b>	Electricity, electrical circuit, complete circuit, circuit diagram, circuit symbol, components, cell, battery, positive/negative, terminal, connect/connection, loose connection, short circuit, wire, crocodile clip, bulb, bright/dim, switch, buzzer, volume, motor, fast(er)/slow(er), voltage, current, resistance, scatter diagram, investigation, causal relationship
<b>Lesson 3</b>	Circuit diagram & symbol, components, cell, battery, positive/negative, terminal, connect/connection, loose connection, short circuit, wire, bulb, bright/dim, switch, buzzer, volume, motor, conductor, insulator, voltage, current, resistance
<b>Lesson 4</b>	Electrical circuit, complete circuit, components, cell, battery, positive/negative, connect/connection, loose connection, short circuit, bright/dim, switch, conductor, insulator, voltage, current, resistance
<b>Lesson 5</b>	Electrical circuit, complete circuit, circuit diagram & symbol, components, cell, battery, positive/negative, terminal, connect/connection, loose connection, short circuit, wire, crocodile clip, bulb, bright/dim, switch, buzzer, volume, motor, fast(er)/slow(er), conductor, insulator, metal/non-metal, voltage, current, resistance
<b>Lesson 6</b>	Electricity, appliances/device, electrical circuit, complete circuit, circuit diagram, circuit symbol, components, cell, battery, positive/negative, terminal, connect/connection, loose connection, short circuit, wire, crocodile clip, bulb, bright/dim, switch, buzzer, volume, motor, fast(er)/slow(er), conductor, insulator, metal/non-metal, voltage, current, resistance
<span style="color: red;">I don't know yet</span> <span style="color: orange;">I know what it means</span> <span style="color: green;">I can use it in a sentence</span>	

Lesson	Learning Objective	Science LO	AfL
1	To plan and carry out electric circuit investigations using current electrical knowledge (Yr5&6)	 	
2	To set up a series of enquiries that explore electrical circuits and various effects (Yr5&6). To record findings in tables and graphs (Yr5&6)	 	
3	To identify from circuit diagrams those circuits that will or won't work (Yr5&6). To draw an accurate circuit diagram (Yr5&6). To research and explain why electrical components behave as they do in terms of resistance (Yr6)	 	
4	To investigate, design and make a dimmer switch (Yr5&6). To describe how a dimmer switch affects resistance (Yr5&6)	 	
5	To build a working circuit (Yr5&6). To explain how components work (Yr5&6), including resistance (Yr6). To select appropriate batteries for specific effects (Yr5&6)	 	
6	To present findings from prior investigations through presentation (Yr5&6)	