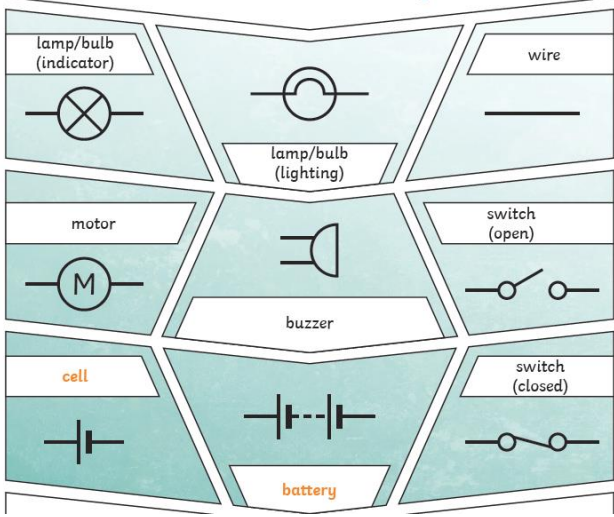
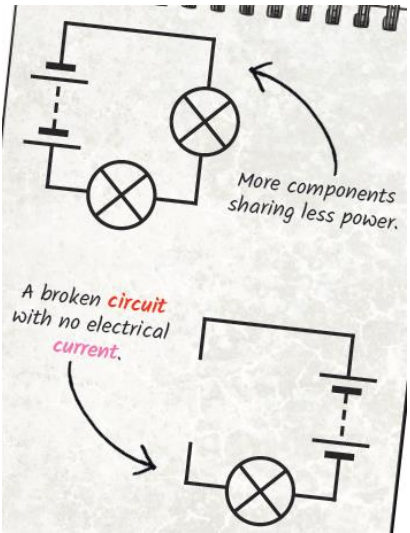


Crofton Junior School – Curriculum Knowledge Organiser

Unit of Work	Science – Physics – Year 6
Key Strand	Understanding electrical circuits
Overview of the Unit of Work	This concept involves understanding circuits and their role in electrical applications.
Prior Learning & Vocabulary	Year 4 electricity: electricity, appliances/devices, mains, plugs, electrical circuit, complete circuit, circuit diagram, components, cell, battery, positive/negative, connect/connection, short circuit, loose connection, wire, crocodile clip, bulb, bright/dim, switch, buzzer, motor, fast(er)/slow(er), conductor, insulator, metal/non-metal
Sticky Knowledge	<div style="display: flex; align-items: flex-start;"> <div style="flex: 1;">  </div> <div style="flex: 2; padding-left: 10px;"> <p>These symbols represent the components within an electric circuit: these are used to draw circuits.</p> <p>Series circuit: A circuit that has only one route for the current to take. If more bulbs or buzzers are added, the power has to be shared and so they will be dimmer or quieter. If just one part of this series circuit breaks, the circuit is broken and the flow of current stops.</p> </div> <div style="flex: 1; padding-left: 10px;">  </div> </div>
New Vocabulary	terminal, volume, voltage, current, resistance
Post Learning	KS3 – Electricity and electromagnetism

