

## Electricity

Prior Learning	
<p>This unit will build on the knowledge and skills learned in KS1          As this is the first unit on electricity in primary science, prior learning will be knowledge and understanding of which appliances use electricity and how electricity reaches our homes as well as the children's own knowledge of electricity through the reading of books etc.</p>	
Key vocabulary for this unit	
Cells Wires Bulbs Buzzers Switches	Series circuit Conductors Insulators Appliances
Learning Sequence	
Appliances	<ul style="list-style-type: none"> <li>To classify and present data, identifying common appliances that run on electricity.</li> </ul>
Making Circuits	<ul style="list-style-type: none"> <li>To identify circuit components and build working circuits.</li> </ul>
Complete Circuits	<ul style="list-style-type: none"> <li>To investigate whether circuits are complete or incomplete.</li> </ul>
Conductors and Insulators	<ul style="list-style-type: none"> <li>To investigate which materials are electrical conductors or insulators.</li> </ul>
Switches	<ul style="list-style-type: none"> <li>To explain how a switch works in a circuit, build switches and report my findings.</li> </ul>
Electrical Discussions	<ul style="list-style-type: none"> <li>To discuss and solve problems about electricity using reasoning skills.</li> </ul>
Garrett Morgan	<ul style="list-style-type: none"> <li>To build a traffic light using series circuits.</li> </ul>
Assessment milestones	
<p><b>Working Scientifically:</b></p> <ul style="list-style-type: none"> <li>Children can record their findings using labelled diagrams.</li> <li>With some guidance, children can decide how to set up a simple practical enquiry, make predictions and draw simple conclusions from their results.</li> <li>Children can report and present their results and conclusions to others in oral forms.</li> </ul>	<p><b>Scientific Knowledge:</b></p> <ul style="list-style-type: none"> <li>Children can identify different circuit components and explain what they do.</li> <li>Children can build series circuits, identifying and explaining whether they are complete or incomplete.</li> <li>Children can explain what electrical conductors and insulators are and give several examples of these.</li> </ul>

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|  | <ul style="list-style-type: none"><li>• Children can identify several different switches and explain how switches work in a circuit.</li></ul> |
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