



St Bartholomew's Knowledge Organiser	Class 3	Autumn 2 Science – Year B	Electricity
<b>What we will learn:</b>		<b>Science Knowledge</b>	
<p>In this unit you will learn to;</p> <ul style="list-style-type: none"> <li>➤ Identify common appliances that run on electricity.</li> <li>➤ Construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers.</li> <li>➤ Using an interactive resource, discover electrical dangers around the home and create a poster warning others of these dangers.</li> <li>➤ Construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers.</li> <li>➤ Identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery.</li> <li>➤ Conduct your own experiment, testing different materials to see whether or not they complete your circuits.</li> <li>➤ Put your knowledge of circuits on display by building your own circuit.</li> </ul>		<ul style="list-style-type: none"> <li>➤ Identify common appliances that run on electricity.</li> <li>➤ Construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers.</li> <li>➤ Identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery.</li> <li>➤ Recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit.</li> <li>➤ Recognise some common conductors and insulators, and associate metals with being good conductors.</li> </ul>	
<b>Important Vocabulary</b>		<b>Science skills we will develop:</b>	
<p>Electricity, electrical appliance/device, mains, plug, electrical circuit, complete circuit, component, cell, battery, positive, negative, connect/connections, loose connection, short circuit, crocodile clip, bulb, switch, buzzer, motor, conductor, insulator, metal, non-metal, symbol</p> <p><b>N.B.</b>  <i>Children do not need to use standard symbols for electrical components, as this is taught in Year 6.</i></p>		<ul style="list-style-type: none"> <li>➤ Ask relevant questions and use different types of scientific enquiries to answer them.</li> <li>➤ Make systematic and careful observations.</li> <li>➤ Record findings using simple scientific language, drawings and labelled diagrams.</li> <li>➤ Use results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions.</li> <li>➤ Report on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions.</li> <li>➤ Use straightforward scientific evidence to answer questions or to support findings.</li> </ul>	