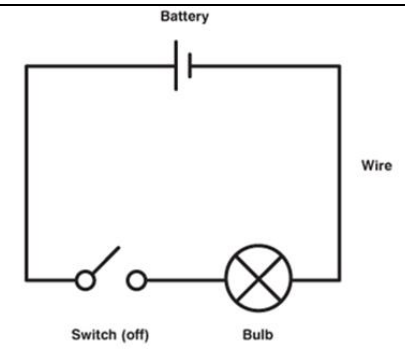


<b>Science Knowledge Organiser</b>		
<b>Year 4 (2019-20) - Term 2</b>		
<b>Topic:</b>	<b>Electricity</b> <i>What makes a complete circuit?</i>	

<b>What I will know by the end of the unit :</b>		<b>New vocabulary:</b>	
<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 some common conductors and insulators, and associate metals with being good conductors.</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> </ul>	<b>insulator</b>		<b>circuit</b>
	<b>conductor</b>		<b>electrical</b>
	<b>switch</b>		<b>mains power</b>
	<b>buzzer</b>		<b>appliance</b>
<b>Skills/Working Scientifically:</b>		<b>Key words/phrases we will use:</b>	
<ul style="list-style-type: none"> <li>Recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables</li> <li>Using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions</li> <li>Using straightforward scientific evidence to answer questions or to support their findings.</li> <li>Asking relevant questions and using different types of scientific enquiries to answer them</li> <li>Identifying differences, similarities or changes related to simple scientific ideas and processes</li> </ul>	<b>wire</b>		<b>positive</b>
	<b>battery</b>		<b>negative</b>
	<b>bulb</b>		<b>electrons</b>
	<b>component</b>		<b>materials</b>
	<b>connect</b>		<b>socket</b>
	<b>crocodile clip</b>		<b>cell</b>
	<b>motor</b>		<b>plug</b>
<b>Links to previous learning:</b>	This is the first electricity unit.		

