












Year 4 Summer 1 - Electricity

Key Vocabulary		Components (Parts) Vocabulary		
electricity	The flow of an electric current through a material, e.g. from a power source through wires to an appliance .	cell: Normally, we would call this a battery but scientifically, this is a cell. Two or more cells joined together form a battery .	bulb: Lights up in a complete circuit .	buzzer: Makes a noise in a complete circuit .
appliances	A piece of equipment or a device designed to perform a particular job, such as a washing machine or mobile phone.			
battery	A device that stores electrical energy as a chemical. Two or more cells joined together form a battery .	wires: Used to connect the different components in the circuit together.	motor: Produces movement in a complete circuit .	switch: Used to turn other components in the circuit on or off.
circuit	A pathway that electricity can flow around. It is based around wires and a power supply. Examples of components (parts) you can add in to a circuit are bulbs, switches, buzzers and motors.			

<p>Series Circuit</p> <p>A circuit where the components are connected in a loop. Electricity flows through each component in a single pathway.</p> 	<p>Complete Circuit</p>  <p>Electricity can flow. The components will work.</p>	<p>Incomplete Circuit</p> <p>There is a break in the circuit that prevents the electricity from flowing. The components will not work.</p> 	<p>Switches can be used to open or close a circuit. When off, a switch 'breaks' the circuit to stop the flow of electricity. When on, a switch 'completes' the circuit and allows the electricity to flow.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>push button switch</p> </div> <div style="text-align: center;">  <p>slide switch</p> </div> </div>
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