

Electricity

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Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
			<p>Identify common appliances that run on electricity.</p> <p>Vocabulary- Electricity Appliances: fridge, freezer, TV, computer, iron, kettle, etc</p>		
			<p>Construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers.</p> <p>Vocabulary- Series circuit Components: battery, bulb (lamp), bulb (lamp) holder, buzzer, crocodile clip, leads, wires, switch</p>		<p>Use recognised symbols when representing a simple circuit in a diagram.</p> <p>Vocabulary- Series circuit, symbol, circuit, cell Components: battery, bulb (lamp), bulb (lamp) holder, buzzer, crocodile clip, leads, wires, switch</p>
			<p>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</p> <p>Recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit.</p> <p>Vocabulary- Describing words: brighter, duller, slow, fast, quiet, loud Switches – open, close</p>		<p>Compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches</p> <p>Associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit</p> <p>Vocabulary- electricity, volts, voltage, cell, circuit, electrons, current Describing words: brighter, duller, slow, fast, quiet, loud Conductor, insulator Resistance Effects of electricity: Light, sound, movement, heat</p>
			<p>Recognise some common conductors and insulators, and associate metals with being good conductors.</p> <p>Vocabulary- Conductor, insulator effects of electricity: Light, sound, movement, heat</p>		