








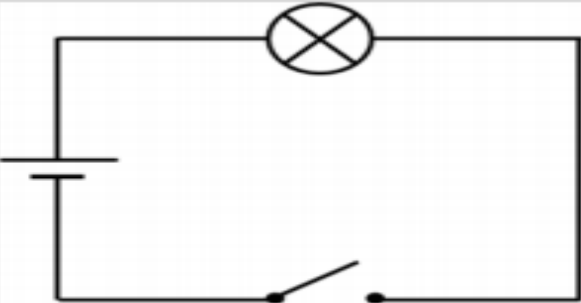


Hollingworth Primary School Knowledge Organiser				
Topic: Electricity	Year: 4		Strand: Physics	
Famous scientist	Electrical Symbols		Vocabulary Dozen	
<p>Thomas Edison was born in 1847 and died in 1931. He lived in the state of New Jersey in the United States of America (USA)</p> <p>He is known as one of the greatest inventors in history.</p>  <p>He invented the light bulb, the phonograph (which could record and play sound) and an early video camera called the Kinetograph. The films were then watched on a Kinetoscope which he also invented.</p>		Lamp	Circuit	A complete route which an electric current can flow around.
		Wire	Current	A flow of electricity through a wire
		Motor	Physics	The study of forces including electricity and the way it affects objects.
		Buzzer	Battery	A small device that provides power for electrical items
		Open switch	Cell	A device used to generate electricity. A battery is an example of a cell.
		Closed switch	Conductor	Any material that electricity can pass through or along
		Cell	Insulator	Any material that electricity cannot pass through or along.
		Battery	Buzzer	An electrical device that makes a buzzing sound.
What should I already know?	<p>A scientific diagram of an open circuit:</p>  <p>The light bulb will not light in this circuit until the switch is closed.</p>		Motor	A device that changes electrical energy into movement.
<p>How the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.</p> <p>Be able to identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses.</p> <p>That materials can be used for more than one thing.</p>			Wire	A long thin piece of metal that carries an electrical current often covered in plastic for safety
			Voltage	An electrical force that makes electricity move through a wire, measured in volts (V).
			Socket	A device on a wall that you can plug electrical equipment into.
			Conductors	Insulators
			Copper	Rubber
			Iron	Wood
			Steel	Plastic
			Silver	Paper