






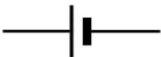

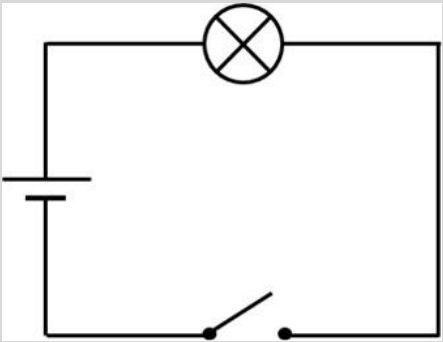


Electricity- Learning Organiser (Lew Trenchard C of E Primary School)

Common electrical hazards	Electrical circuit symbols	Vocabulary	
1. Overloading a plug extension socket.		lamp (indicator)	circuit A complete route which an electric current can flow around.
2. Exposed wires.		lamp (lighting)	current A flow of electricity through a wire.
3. Damaged wall sockets.		wire	physics The study of forces including electricity and the way it affects objects.
4. Wires left along the carpet for people to trip over.		motor	battery A small device that provides power for electrical items.
5. Placing metal into electrical appliances or open sockets.		buzzer	cell A device used to generate electricity. A battery is an example of a cell.
6. Electrical appliances and wires near water. NOTE: WATER IS AN EXCELLENT ELECTRICAL CONDUCTOR SO IT CAN BE VERY DANGEROUS TO HAVE ELECTRICAL DEVICES NEAR WATER		open switch	conductor Any material that electricity can pass through or along.
		closed switch	insulator Any material that electricity cannot pass through or along.
		cell	buzzer An electrical device that makes a buzzing sound.
Thomas Edison (1847 – 1931)			
<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> <div style="display: flex; align-items: center;"> <div style="flex: 1;"> <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> </div>  </div>	<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>		<p>wire A long thin piece of metal that carries an electrical current often covered in plastic for safety.</p> <p>voltage An electrical force that makes electricity move through a wire, measured in volts (V).</p> <p>socket A device on a wall that you can plug electrical equipment into.</p>
	<div style="display: flex; justify-content: space-around;"> Electrical Conductors Electrical Insulators </div>		
	<p>Copper</p> <p>Iron</p> <p>Steel</p> <p>Silver</p> <p>Gold</p>		<p>Rubber</p> <p>Wood</p> <p>Plastic</p> <p>Paper</p>

