Science			Electricity	Year 4
Key Vocabulary			Key Knowledge	
WORD	DEFINITION		1. A circuit contains a battery (cell), wires and a component	<u>Components</u>
batteries	a pathway that electricity flows around		that requires electricity to work (bulb, motor or buzzer).  2. Electrical current flows through the wires from the battery	
bulb	the glass case that contains the filament of an electric lamp		(cell) to the bulb, motor or buzzer.  3. A <b>switch</b> can break or reconnect a circuit.	<u>(</u>
circuit	a pathway that electricity flows around		4. A switch controls the flow of the electrical current around	Lamp
conductor	electrical conductors are materials which allow electricity to flow through them easily		<b>the circuit.</b> When the switch is off, the current cannot flow. This is not the same as an incomplete circuit.	
current	the flow of electricity		Insulators and Conductors:	
electricity	energy that powers electrical a	appliances	Materials that allow	Switch
insulator	materials that do not let electreasily	icity pass through them	electricity to pass through to create a complete circuit are	A COL
switch	a device which builds and breaks the connection in an electric circuit		called electrical conductors.	— <u>M</u> —
voltage	the measure of electrical power		<ul> <li>Materials that do not allow electricity to pass through and do not complete a circuit are called electrical insulators.</li> </ul>	Motor
Simple Circuit: Simple Electrical Circuits:				
These circuits will not work		These circuits will not wor		Buzzer
complete circuit is a loop that allows electrical current to flow through wires.  These are complete circuits - they have a battery (cell) and a component (bulb). The wires are placed in the right places of the battery for the circuit to work.				Battery