



What should I already know?	What will I know at the end of the unit?
<ul style="list-style-type: none"> Electricity is a form of energy that can be carried by wires and is used for heating and lighting, and to provide power for devices. Sources of light and sound may need electricity to work. Where electricity comes from. Which appliances need electricity. What a circuit is, the components of a circuit and how it works. What electrical conductors and insulators are. What happens when a switch is added to a circuit. What forces and resistance are. 	<ul style="list-style-type: none"> I can use symbols when representing a simple circuit in a diagram. I can associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit. I can 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.

Knowledge Vocabulary	Working Scientific Vocabulary
components appliances voltage series circuit simple complete circuit functions	sort - classify compare - similarities - differences observe gather record variable explain evidence diagram

Recommended Reads	Inventor/ Scientist
	Alessandro Volta Battery Inventor

Suggested Investigations
Research: How has our understanding of electricity changed over time? Observation over time: How does brightness of bulb change as the battery runs out? Fair Testing: How does the voltage of the batteries in a circuit affect the brightness of the lamp?