

Science Skills Coverage-Electricity

Skill	Y3	Y4	Y5	Y6
Safety	Create rules that show an understanding of electrical safety requirements in the home.	Recognise the dangers of working with electricity and work safely.		Demonstrate how to work safely with electrical circuits.
Identification		Identify/name a range of familiar devices and equipment that require electricity for power.		Identify/ name components of circuits and define terms such as voltage/current.
Circuits		<p>Construct simple series circuits using a range of components and switches.</p> <p>Predict whether a circuit will work and draw simple circuits using their own or own circuit symbols.</p> <p>Recognise that a cell is a power source generating and pushing current through a</p>		<p>Construct a series circuit for a specific device and explain how it works.</p> <p>Draw a series circuit using conventional circuit symbols.</p> <p>Describe the relationship between number/voltage of a cell and the effect it has on a bulb or buzzer.</p>

		circuit and by adding cells the power increases.		
Classify		Sort and classify materials into conductors and insulators.		Predict materials that could be good conductors of electricity and conduct a fair test.