



Science- Electricity Rec to Y6

SCIENCE SKILLS REC to Y6							
ELECTRICITY							
	EYFS Skills	Key Stage 1 Skills		Lower Key Stage 2 Skills		Upper Key Stage 2 Skills	
	End of REC Expectations	End of Year 1 Expectations	End of Year 2 Expectations	End of Year 3 Expectations	End of Year 4 Expectations	End of Year 5 Expectations	End of Year 6 Expectations
Naming and Identifying	<p>The World</p> <ul style="list-style-type: none"> • I look closely at similarities, differences, patterns and change <p>Early Learning Goal</p>	Identify and talk about products that use electricity.			Identify and name a range of familiar devices and equipment that require electricity for power.		Identify and name components of a circuit and define terms, such as voltage and current in relation to series circuits.
Series circuits			Create working circuits in the context of D&T (e.g. to light a bulb or work a buzzer).		Construct operational simple series circuits, using a range of components and switches for control, and use these to make simple devices.		Work scientifically to construct a series circuit for a specific device or outcome and explain how it works.
Circuit symbols					Predict if a circuit will work based on whether it is a complete loop and draw simple circuits, using		Draw a series circuit, using the conventional circuit symbols.



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					their own or conventional circuit symbols.		
Current and voltage					Recognise that a cell (battery) is a power source generating and pushing current (electricity) through a circuit, and be adding cells the power source increases.		Describe the relationship between the number or voltage of a cell or cells and the effect it has on a bulb or buzzer example
Conductors and insulators					Sort and classify materials into those that are conductors and those that are insulators, identifying similarities within the groups.		Predict materials that could be good conductors of electricity and conduct a fair test to show this.
safety		Recognise that electricity can be dangerous.	Identify dangerous scenarios from pictures or video clips.	Create rules that show an understanding of electrical safety requirements in the home.	Recognise the dangers of working with electricity and explain how to work safely.		Demonstrate how to work safely with electrical circuits.



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