



# Broomwood Primary School Knowledge Organiser



## LKS2 Electricity: taught discretely alongside the Vikings - Physics

Subject Specific Vocabulary		Memorable Image	Exciting Books	
Electricity	The flow of an electrical current through a material			
Generate	To make or produce something.			
Renewable	A source of electricity that will not run out. These include solar, nuclear, geothermal, hydro and wind.			
Non-renewable	This source of electricity will eventually run out and will no longer make electricity. These include fossil fuels.	Sticky Knowledge		
Appliances	A piece of equipment or a device designed to perform a particular job, such as a mobile phone.	<p>I know the common appliances that run on electricity - either mains or battery (or both).</p> <p>I know the basic parts of an electric circuit including cells, wires, bulbs, switches and buzzers.</p> <p>I know how to construct a simple series electrical circuit.</p> <p>I know that a switch open and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit.</p> <p>I know some common conductors such as metals and water.</p> <p>I know some good insulators such as glass, air, plastic, rubber and wood.</p> <p>I know some examples of renewable energy sources.</p>		<p>My name is Michael Faraday and I invented the electric motor as well as worked on magnetism to create electromagnetism.</p>
Cell (battery)	A device that stores electrical energy as a chemical.			
Conductor	A material that will allow electricity to flow through it.			
Insulator	Materials that do not allow electricity to flow through them.			
Circuit	A pathway that electricity can flow around. It includes wires and a power supply and many include bulbs, switches or buzzers.			
Closed Circuit	A closed circuit that allows electricity to flow from one point to another. Electricity can only flow around a complete circuit that has no gaps.			
			Previous Learning	
			This is a new area of learning so this should be taken in to consideration when planning.	