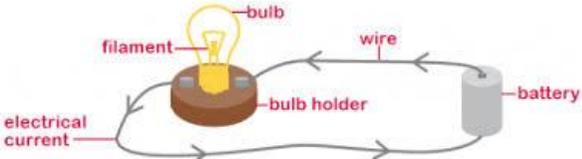


Year Group 4: Electricity

Subject Specific Vocabulary		Memorable Image	Exciting Books
electricity	The flow of an electrical current through a material, e.g. from a power source through wires to an appliance.		
generate	To make or produce.		
renewable	A source of electricity that will not run out. These include solar, nuclear, geothermal, hydro and wind.	Sticky Assessment Knowledge	
Non-renewable	This source of electricity will eventually run out and so will no longer be able to be used to make electricity. These include fossil fuels – coal, oil and natural gas.	<div style="text-align: center; font-weight: bold; font-size: 1.2em;">Useful Websites</div> <p>BBC Bitesize https://www.bbc.co.uk/bitesize/topics/zj44jxs</p> <p>Primaryhomeworkhelp.co.uk http://www.primaryhomeworkhelp.co.uk/revision/Science/electricity.htm</p>	
appliances	A piece of equipment or a device designed to perform a particular job, such as a washing machine or mobile phone.		
Cell (battery)	A device that stores electrical energy as a chemical.		
circuit	A pathway that electricity can flow around. It includes wires and a power supply and may include bulbs, switches or buzzers.		
Conductor	A material that will allow electricity to flow through it.		
Insulator	Materials that do not allow electricity to flow through them.	Misconceptions and Facts	
Circuit	A closed path that allows electricity to flow from one point to another. Electricity can only flow around a complete circuit that has no gaps.		

I can identify common appliances that run on electricity – either mains or batteries (or both).

I can construct a simple series electrical circuit.

I can recognise some common conductors and insulators, and associate metals with being good conductors.

I can recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit.

- Geothermal energy is heat from the Earth that is converted into electricity.
- Lightning and static electricity are examples of electricity occurring naturally.