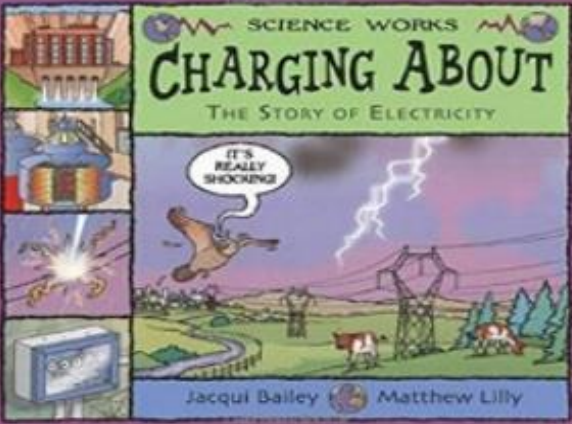


Year 4: Electricity Knowledge Mat

Subject Specific Vocabulary		Interesting Book	Sticky Knowledge about electricity
circuit	An electrical circuit is a completed path through which an electrical current flows.	 <p>CHARGING ABOUT THE STORY OF ELECTRICITY</p> <p>Jacqui Bailey Matthew Lilly</p>	<ul style="list-style-type: none"> Electricity can be generated by power stations, wind, the sun, water and even animal pool!
buzzer	A buzzer is an automatic signalling device. They are used as alarms and door bells.		<ul style="list-style-type: none"> Electricity is a type of energy that can build up in one place to flow to another.
conductor	A conductor is an object or type of material that allows the flow of an electrical current in one or more direction.		<ul style="list-style-type: none"> A power station is a place where electricity is created and sent to our homes.
battery	A battery is a group of cells that stores chemical energy and makes it available in an electrical form.		<p>Important facts to know by the end of the electricity topic in Year 4</p> <ul style="list-style-type: none"> Electricity travels at the speed of light, which is more than 186,000 miles per hour.
cell	An electrical cell is a device that is used to generate electricity.		
switch	A switch is an electrical component that can 'make' or 'break' an electrical circuit.		<ul style="list-style-type: none"> One flash of lightening could power 1000 houses for a whole year.
socket	Sockets allow electrical equipment to be connected to the alternating current (AC) power supply in buildings..		<ul style="list-style-type: none"> When an electric charge builds up on the surface of an object, it makes static electricity. This is why we sometimes have a small electric shock.
appliance	An electrical appliance is a device that uses electricity to perform a function.		<ul style="list-style-type: none"> The first power plant opened in 1882 and was opened by Thomas Edison.
series circuit	Components connected in series are connected along a single path, so the same current flows through all of the components.		<ul style="list-style-type: none"> Thomas Edison was a very famous inventor who helped us make the most of electricity from bulbs to fuses.
insulator	An insulator is a material that does not allow electricity to pass through it.		

Important facts to know by the end of the electricity topic in Year 4

- Know about common appliances that run on electricity.
- Know how to construct a simple series electrical circuit.
- Identify and name the basic parts of the circuit, including cells, wires, bulbs, switches and buzzers.
- Know that a switch opens and closes a circuit.
- Know about some common conductors and insulators.
- Know that metals are good conductors.