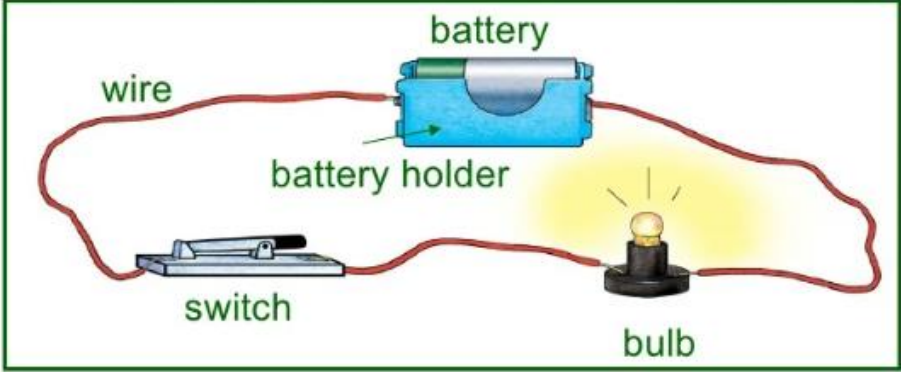


Electricity Knowledge Organiser Oaks

Subject Specific Vocabulary			
Lamp (also called a bulb)	Part of a circuit that gives out light		
battery	A portable source of electricity		
Rechargeable battery	A battery that we can put 'electricity' back into		
mains	The electricity that comes from a socket in the wall and through wires		
cell	The scientific name for a battery		
circuit	Components connected together to make one of them work.		
components	The items that make up a circuit.	What you will know by the end of the unit:	Sticky Knowledge
terminals	The ends of the battery. One is negative and one is positive	<ul style="list-style-type: none"><input type="checkbox"/> Know about common appliances that run on electricity.<input type="checkbox"/> Know how to construct a simple series electrical circuit.<input type="checkbox"/> Identify and name the basic parts of the circuit, including cells, wires, bulbs, switches and buzzers.<input type="checkbox"/> Know that a switch opens and closes a circuit.<input type="checkbox"/> Know about some common conductors and insulators.<input type="checkbox"/> Know that metals are good conductors.	<ul style="list-style-type: none">• Components must be wired to a power source in order to work.
wires	used to connect components together		<ul style="list-style-type: none">• A switch completes a circuit so that electricity can flow and must be made of a good conductor
conductor	a material that transmits electricity		<ul style="list-style-type: none">• Mains electricity is so powerful that it can kill people.
insulator	a material through which electricity cannot flow.		<ul style="list-style-type: none">• Insulators prevent electricity from travelling and help to keep us safe.
switch	A component that turns a circuit on and off		<ul style="list-style-type: none">• Electrical wires are usually made of copper wires (good conductors) coated with plastic (good insulator)
socket	Sockets allow electrical equipment to be connected to the main power supply		<ul style="list-style-type: none">• A power station is a place where electricity is created and sent to our homes. It can also be generated from wind, sun, water and even animal poo!