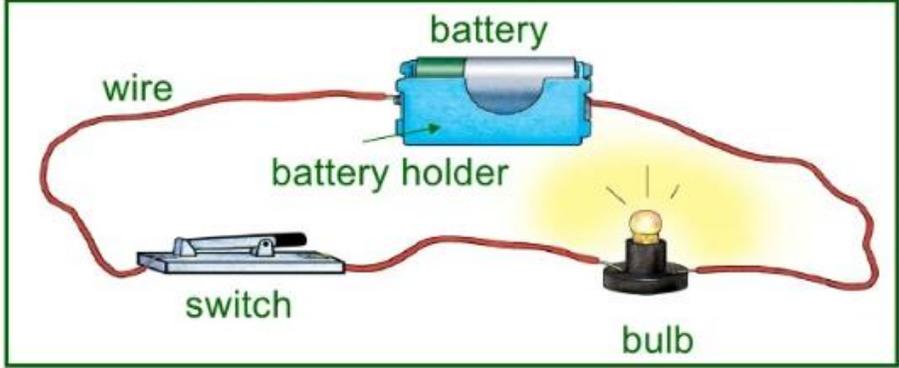


Electricity Knowledge Organiser Oaks

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.		
terminals	The ends of the battery. One is negative and one is positive	What you will know by the end of the unit: <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. 	Sticky Knowledge <ul style="list-style-type: none"> • Components must be wired to a power source in order to work. • A switch completes a circuit so that electricity can flow and must be made of a good conductor • Mains electricity is so powerful that it can kill people. • Insulators prevent electricity from travelling and help to keep us safe. • Electrical wires are usually made of copper wires (good conductors) coated with plastic (good insulator) • 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!
wires	used to connect components together		
conductor	a material that transmits electricity		
insulator	a material through which electricity cannot flow.		
switch	A component that turns a circuit on and off		
socket	Sockets allow electrical equipment to be connected to the main power supply		