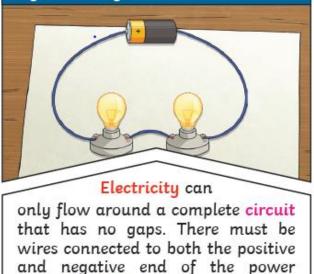
## Key Knowledge

supply/battery.



Switches can be used to open or close a circuit. When off, a switch 'breaks' the circuit to stop the flow of electricity. When on, a switch 'completes' the circuit and allows the electricity to flow.



## <u>Year 4 – Electricity</u>

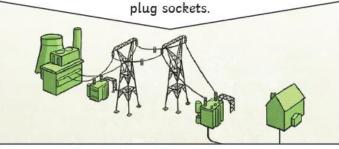
Vocabulary Dozen		
electricity	Energy caused by the moement of electrons through matter	
Series circuit	A closed circuit in which the current follows one path	
conductor	Anything that carries or allows passage of heat, electricity or sound	
insulator	A material that does not conduct electricity	
cell	A device that makes electricity by chemical means	
switch	A device that opens and closes an electrical circuit	
buzzer	An electrical device that signals by buzzing	
bulb	A device made of rounded glass used to create electric light	
appliance	A service used for a particular purpose e.g. stoves and fridges are home appliances.	
Mains electricity	Electricity supply from power stations to households.	
batteries	A device that makes electricity by using chemical reactions	
Power source	It supplies electrical power to at least one electric item.	
Electrical C	Conductors Electrical Insulators	

Electrical Conductors	Electrical Insulators
Copper	Rubber
Iron	Wood
Steel	Plastic
Silver	Paper
Gold	

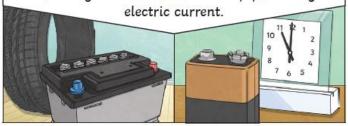


There are two types of electric current.

Mains electricity: power stations send an electric charge through wires to transformers and pylons. Then, underground wires carry the electricity into our homes via wires in the walls and out through



Battery electricity: batteries store chemicals which produce an electric current. Eventually, even rechargeable batteries will stop producing an



I can identify some common appliances that run on electricity

