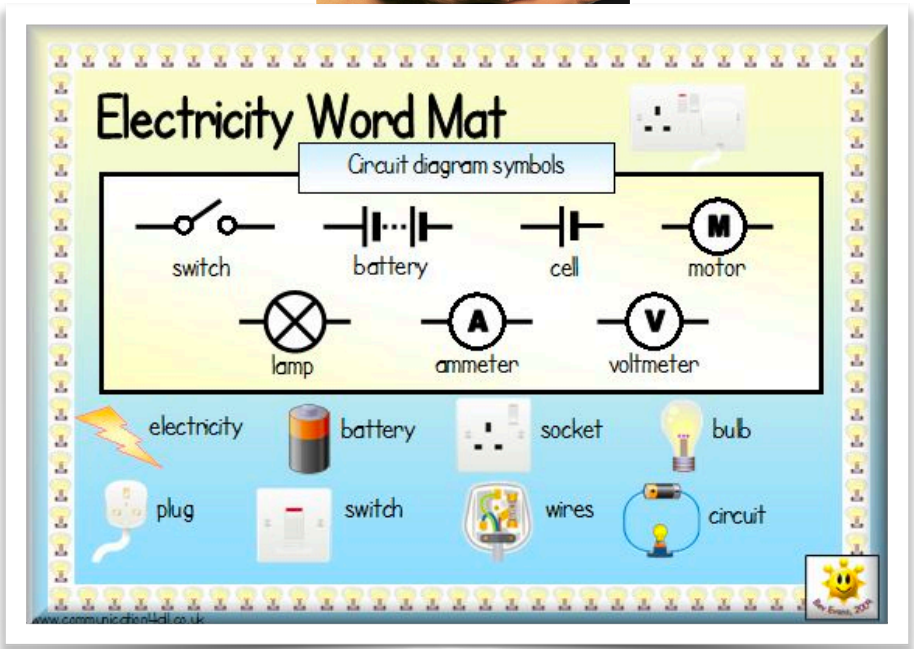
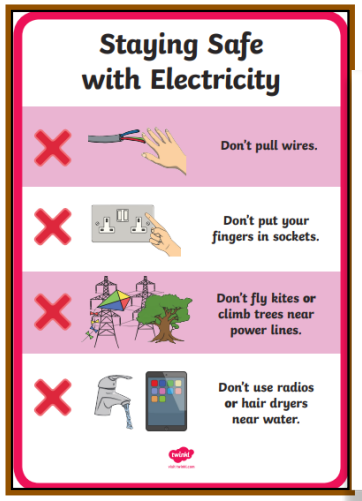
Sparks Might Fly - Science: Electricity

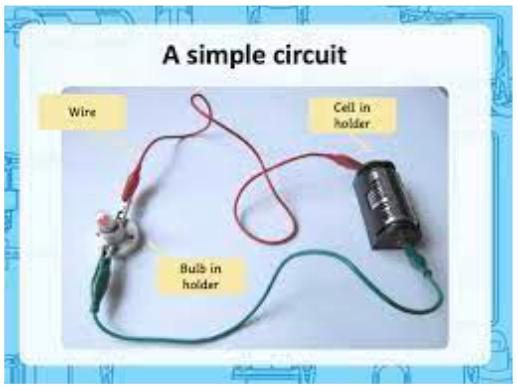
Key Vocabulary

component	single item that can be connected together to make an electrical circuit
cell (battery)	a container consisting of one or more cells which chemical energy is converted into electricity and used as a source of power
wire	length of wire used to carry an electrical current
buzzer	electrical device that makes a buzzing sound.
motor	electrical device that moves.
switch	device for making and breaking the connection in an electric circuit
circuit	system of electrical conductors and components forming an electrical circuit
connection	linking together
break	separate into parts
device	something made for a special purpose
safety	freedom from danger or harm
appliance	A device of piece of equipment designed to perform a specific task
conductor	allows an electric current to flow
insulator	doesn't allow electricity to flow

Scientific Circuit Symbols Mat







Key Facts

- Electricity is a type of energy which can be used to power household items like toasters, tvs, kettles, play stations, fridges and washing machines.
- Electricity can be found in a mains or battery. Mains need plugging into a socket and battery's have stored electricity which can be put into electrical items. These can sometimes be charged.
- Electricity is made by electrons (particles in an atom) moving around in a current.
- For electricity to work it needs to be in a circuit. If the circuit is broken, it will not work.
- The battery, or cell, has a positive and negative side, they must always have opposite sides facing.
- Switches can be made using conductors. Switches break an electrical circuit.
- Some objects conduct electricity; this means they allow electricity to flow through them easily. These are called conductors.
- Other objects do not allow electricity to flow through them easily, these are called insulators.