

Recapped Knowledge and Vocabulary - Y3 Physics topics

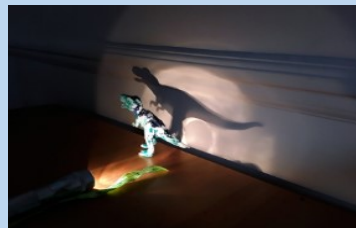
**Forces and Magnets**

Some materials are magnetic—which means that they are attracted to a magnet. Here, the materials circled in red are magnetic and those circled in blue are not.



**Light**

Darkness is the absence of light.  
You need light in order to see.



**New Knowledge:**

Some common appliances run on electricity.



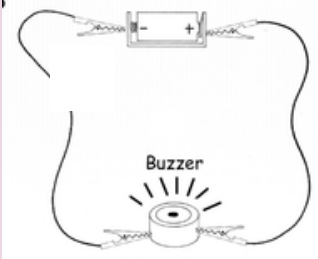
Toaster



Television

A circuit must create a full loop in order for it to work.

Any breaks in the circuit will stop the circuit working.



cell

battery

electricity

bulb

circuit

wires

switch

Always follow this safety advice.  
Mains electricity has a voltage of 230v.  
This is enough to seriously hurt or even kill you.

**Electricity Safety**

- Don't touch wires.
- Don't put your fingers in sockets.
- Don't fly kites or climb trees near power lines.
- Don't use electronics near water.

**Working Scientifically**

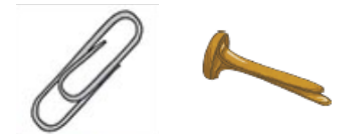
- Draw Venn Diagrams
- Draw a labelled diagram
- Look for patterns
- Use scientific vocabulary
- Independently decide what data to collect and how to collect it.

Conductor	Insulator

**New Vocabulary**

<b>Circuit</b>	A loop of wires with at least one cell to provide voltage to move the electrons.
<b>voltage</b>	A measure of the push from the cell, battery or mains plugs sockets (3v, 9v, 230v)
<b>conductor</b>	A material; that allows electricity to pass through it.
<b>insulator</b>	A material that does NOT allow electricity to pass through it.

Conductors allow electricity to pass through.



Insulators do not.

