

Electricity

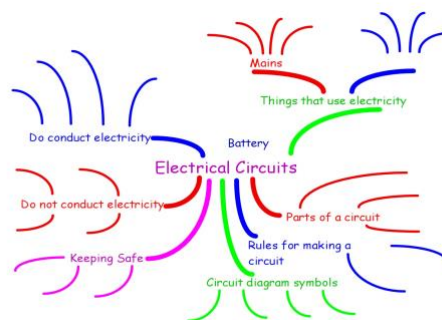
This term's Science Topic is Electricity. We will try to do some pre-learning to help us when we return to school. Do some research, ask parents or older siblings for help if you are unsure.

The Engineering Interact website is a fantastic place to start. Check it out. You will even find help with other science topics.

<http://www-g.eng.cam.ac.uk/mmg/teaching/peterstidwill/interact/interact.htm>

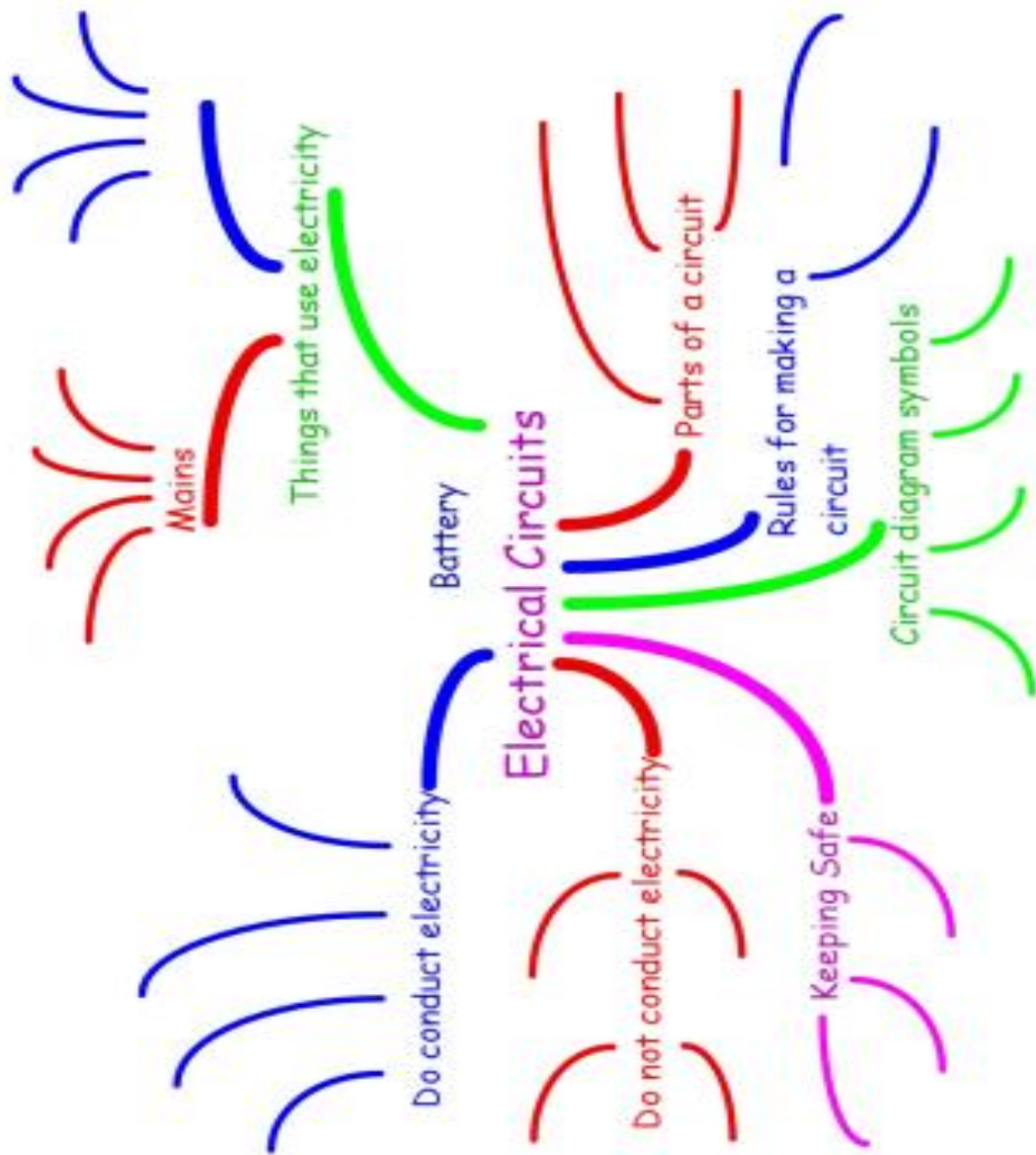
or Google - Engineering Interact Silicon Spies. Meet the Spy Team, get your license and work through the problems. It is fun and you will learn lots about electricity.

What do you already know about electricity?



Complete the larger version of the Mind map above, which is on the next page.

Electrical appliances use either mains power or batteries made up of cells which store electricity. Complete the worksheet to show your understanding.















Mains or Batteries?

All the things below need electricity to work.

- Some use mains electricity from the plug socket (230 Volts).
- Some use batteries which are made up of cells which store electricity.
- Some can use either.

For each item, put a tick in the table to show what type of electricity it uses.

		Batteries	Mains Electricity	Either
Lamp				
Burglar Alarm				
Kettle				
TV				
Toaster				
Remote Control				
Wall Clock				
Torch				
Mobile Phone				
Laptop				

There are 3 gaps in the table. Can you think of three more examples to fill these gaps: one that uses batteries, one that uses mains electricity and one that can use either?