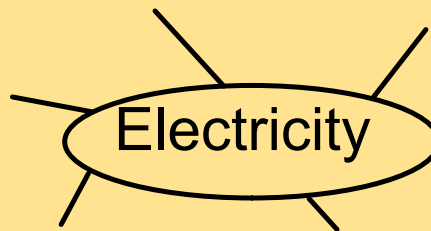
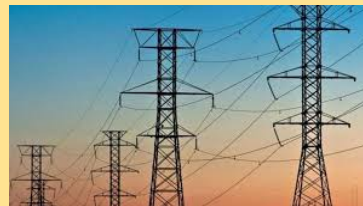
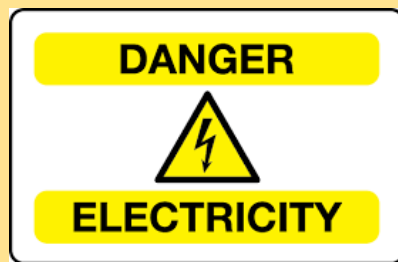


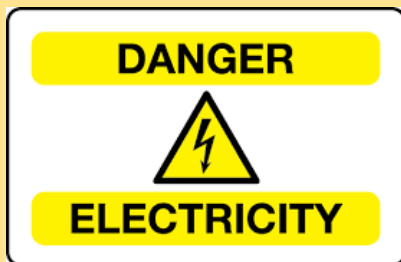
Monday 2nd November 2020

LO: To create a circuit.

Starter:



Record in books

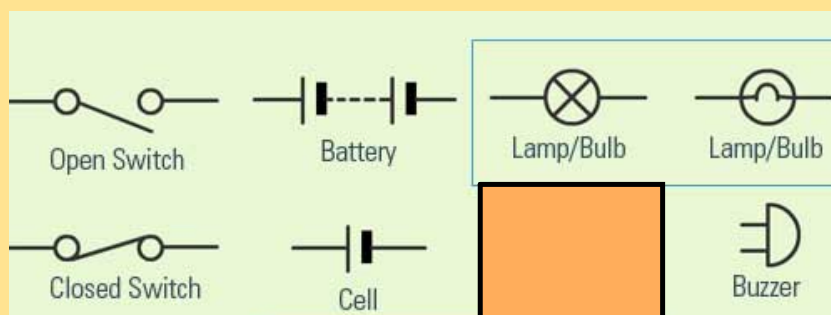


What do you know?

Use your knowledge ladder.
Discuss and add questions.

<https://www.youtube.com/watch?v=VnnpLaKsqGU>

Y4



What do you remember?

Checking Circuits



*For a circuit to work
a complete unbroken
circuit is needed.*

Create a simple circuit for a partner using:

- Cell
- Wires
- Switch
- Bulb or Motor

Does your circuit work?

Yes! Congratulations you have complete circuit.

Make a break in the circuit.

Now pass it to your partner. Can they fix the problem
and complete the circuit?

Bulb Brightness



*How can I make my
bulb brighter or
motor turn faster?*

Create a simple circuit using:

- Cell
- Wires
- Switch
- Appliance: Bulb or Motor

Can you make the bulb brighter
or the motor turn faster?

What effect does adding more wires, switches or cells
to your circuit have?

Take a close look at your appliance.
How much power does it need to function?

Overloaded Circuits



What happens if I add more bulbs to my circuit?

Create a simple circuit using:

- Cells
- Wires
- Switch
- Bulb

Investigate ways of adding more bulbs to your circuit.

What do you notice?

Continue adding bulbs to your circuit.

Can you explain what is happening here?

Constructing Circuits



I like a challenge... but are my switch building skills up to it?

Create a simple circuit using:

- Cell
- Wires
- Bulb
- Switch made from some or all of the following:
 - paper clips
 - drawing pins
 - balsa wood, cardboard or corriflute
 - silver foil
 - crocodile clips

Can you switch the light bulb on and off?

Circuits on Computers



*Building circuits
using computer
simulations...
What a great idea!*

Check out...

<http://www.andythelwell.com/blobz/>

Work through the first four sections (icons at
bottom)...

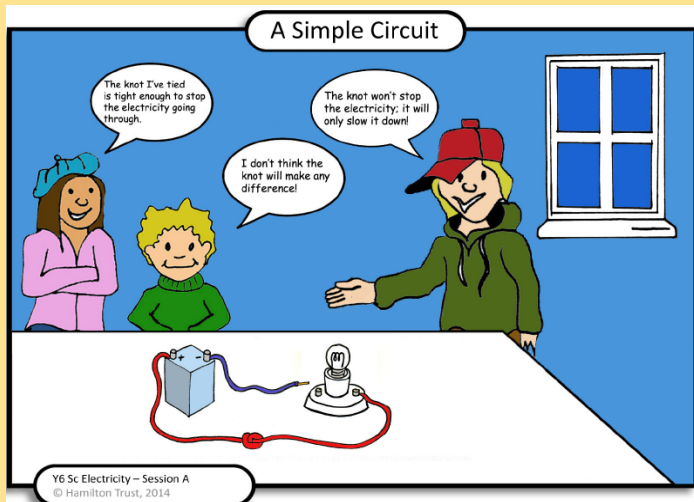


Remember to
read the
information,
complete the
activity and take
the quiz in each
section...

Can you light the first four stars?

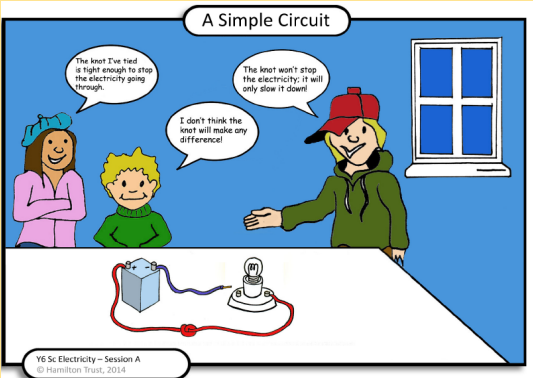


Activity 5



I do

we
do



you
do

