

# Science - Electricity





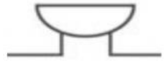




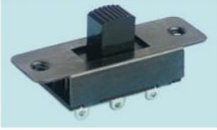




## Symbols

### Task 1

In Year 4 we look at some of the basic electrical components (parts) which up to now have been represented as pictures and we practise drawing them as circuit symbols. We would like you to watch the following short learning videos if you have access to a computer.

<https://www.bbc.co.uk/bitesize/topics/zq99q6f/articles/zs7g4j6>

If not, don't worry, complete the worksheets and practise drawing the symbols. Don't forget to use a ruler to draw straight lines.





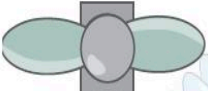





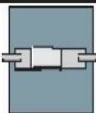



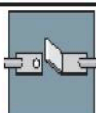





	<p><b>BULB (LAMP)</b></p> <p>A component which lights up when electricity passes through it in a circuit</p>	
	<p><b>MOTOR</b></p> <p>A component which moves (spins) when electricity passes through it in a circuit</p>	
	<p><b>BUZZER</b></p> <p>A component which makes a sound when electricity passes through it in a circuit</p>	
	<p><b>WIRE</b></p> <p>Plastic-coated electrical wire which conducts electricity around a circuit</p>	
	<p><b>SWITCH</b></p> <p>Part of a circuit which can easily be opened or closed to control the flow of electric current</p>	
	<p><b>CELL - 1 battery</b></p> <p>A safe power source. A store of chemical potential energy that can power a circuit</p>	
	<p><b>CELL - 2 batteries</b></p> <p>Two cells used together to make a more powerful power source</p>	

Here is another exciting Electricity link which will help you to learn more about electricity if you enjoy this science subject.

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

# Match the Symbols

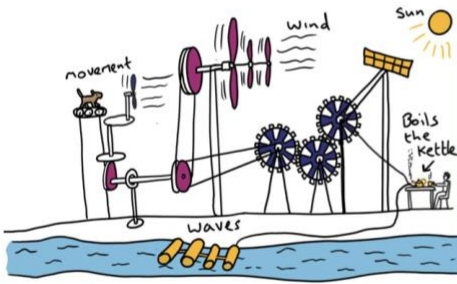
These are some of the symbols we use to draw electrical circuits.

Picture	Symbol
3V battery 	
Bulb 	
Motor 	
Two 1.5V cells connected = 3V 	
Bell 	
Switch (closed) 	
Connecting wire 	
Switch (open) 	
1 cell battery = 1.5V 	
Buzzer 	

Use coloured pens to connect each picture with the correct symbol. When you have finished check the answers with your teacher.

# Design Technology Task

## Little Inventors Challenge 17: Draw an eco friendly city



Little Inventors  
Daily Challenge #17

DRAW AN ECO  
FRIENDLY CITY

Share your drawing with a description of what it is.

**#timeforcreativity**

[littleinventors.org](http://littleinventors.org)

# Quelle est la date aujourd'hui?

rouge	Tuesday 5th April
gris	Saturday 22nd October
bleu	Monday 16th January
violet	Friday 30th August
orange	Thursday 9th December

jaune	Sunday 27th February
rose	Wednesday 1st May
blanc	Monday 12th September
vert	Saturday 19th July
marron	Tuesday 26th June

douze	jeudi	avril	trente	premier
vendredi	mercredi	dix-neuf	vingt-sept	lundi
cinq	octobre	neuf	lundi	août
février	samedi	seize	mardi	mai
décembre	vingt-six	samedi	juin	mardi
vingt-deux	dimanche	juillet	janvier	septembre