

Year 6 – We Are Detectives

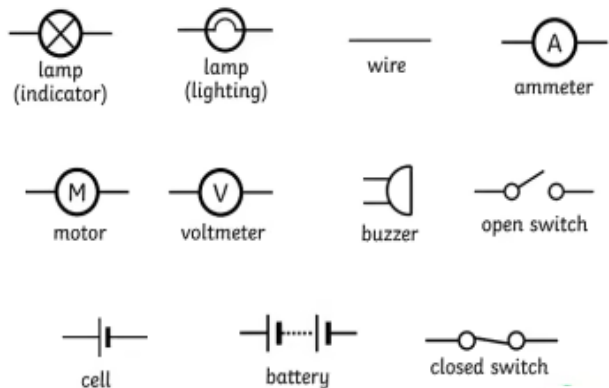
The aim of this project is to broaden your scientific view of the world around you and learn about electricity and changing states.

What do I already know that will help me with this topic?

- In year 5, during your science topics, you learnt how to work scientifically. You created scientific experiments, asked questions, predicted outcomes and evaluated methods. These skills will be essential for this topic and you will further build on them by writing explanations, record results electronically and analysing data.
- In year 4, you focused on physics during your science topic, where you studied matter and energy. You learnt the science behind how sight works and how sound is a vibration.

Circuits

Below are the most common symbols used when drawing an electric circuit.



Experiments to try at home

<https://www.weareteachers.com/easy-science-experiments/>



<https://tinyurl.com/4fdeaw9t>



Recommended websites

Electricity and Circuits

- <https://www.bbc.co.uk/bitesize/topics/zq99q6f>
- <http://www.primaryhomeworkhelp.co.uk/revision/Science/electricity.htm>

Changing States

- <https://www.bbc.co.uk/bitesize/topics/zkkg87h>
- <https://www.everyschool.co.uk/science-key-stage-2-changing-state.html>

Vocabulary

circuit

conductivity

conductors

fair test

insulators

magnetic

parallel circuit

series circuit

solubility

solution

The first electric circuit was invented by Alessandro Volta (1745 – 1847) in 1800. He discovered he could produce a steady flow of electricity using bowls of salt solution connected by metal strips.

