



Science- Year 4

Summer 1- Switched on!

In Science, I have learnt:

To can carry out a fair test:

- I can predict what I think will happen and say why using my prior knowledge.
- I can explain what we are changing, measuring and keeping the same in the experiment.
- My conclusion contains detailed observations and explains my results.

predict, conclude, fair test, observe, pattern, data.

I can identify common appliances that run on electricity.

I can construct a simple series electrical circuit, identifying and naming its basic parts.

I can explain how a switch works.

Working Scientifically

I can identify whether or not a lamp will light in a simple series circuit

- I can predict which lamps will light and say why I think this.
- I can draw conclusions based on my prior knowledge
- I can suggest how a circuit could be improved
- I can ask further questions based on my findings.

I can investigate electrical conductors and insulators

- I can make a prediction, explaining why I think this
- I can design an experiment to test the materials to find out which are conductors
- I can record my findings in a Carroll diagram
- I can use my results to draw conclusions
- I can suggest ways to improve my experiment.

Scientific enquiry type:

Grouping and classifying

New Science words:

Electricity, electrical, mains, plugged in, battery, power, rechargeable, solar, wind up, **cell, wire, bulb**, bulb holder, **buzzer, motor, component, circuit, complete circuit, short circuit, flow, break**, connect, disconnect, terminal, positive, negative, **switch, electrical conductor, electrical insulator**, electron.

