

My steps through learning:

What I will know and understand

How I will show that I know it

Science - Circuits and Conductors

Steps through Learning

Lesson 5

To know the electrical components to create an electrical circuit

I can create a simple device which includes a circuit



Lesson 4

To know some common conductors and insulators

I can experiment with different materials and discuss whether they are electrical conductors or insulators



Lesson 3

To know the different components to complete a circuit

I can construct a simple circuit



Lesson 2

To know some ways to keep safe around electrical appliances

I can spot hazards and make a poster about electrical safety



Lesson 1

To know some common appliances that run on electricity

I can sort and draw objects that use electricity and do not use electricity



What should I already know:

- Appliances can be powered by plugs or batteries
- Safety with electricity
- Gained confidence

National Curriculum:

- Identify common appliances that run on electricity
- Construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers
- Identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery
- Recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit
- Recognise some common conductors and insulators, and associate metals with being good conductors