

What are we learning about?

This topic is all about electricity. You will learn about what causes electricity and what it is, as well as how to measure it and use it. You will learn how it behaves in different materials and why you can get electric shocks if you touch certain objects.



Why are we learning about it?

You use electricity every day. The world would be a completely different place without it, and knowing how it works is crucial to appreciating how lucky we are to have electricity in our lives.



What new **KNOWLEDGE** will I gain?

Making and drawing electric circuits, defining and calculating electric current, potential difference and resistance, how resistance is affected by other factors such as length, and what static electricity is and how it is different to current electricity.



Electricity: Learning Journey

How does this build on the **SKILLS** I already have?

As is often the case in physics, knowledge of how to use equations is vital, and builds on the work you have done on this before. Your safe practical skills will also come into play as we use electricity throughout this topic.



What new **SKILLS** will I develop?

The ability to draw scientific diagrams is vital and this will be developed when drawing circuits. You will also be calculating different variables using equations, and carrying out practicals safely.



How does this build on the **KNOWLEDGE** I already have?

You should have learnt about electric circuits and electrical conductors at primary school. Even if you didn't, the words around electricity are words you hear all the time: current, voltage, power.