

### What are we learning about?

In this topic we are going to look further into the periodic table and what an atom is. You will learn about the structure of the atom, how each elements structure can lead to it having certain properties. You will also explore the journey that scientists took to discover the current model of the atom and the modern periodic table.



### Why are we learning about it?

The atom and its structure is of the fundamental principles of all science. It is important to know its structure, the history of how we have reached the current model in order to be able to understand properties of elements and compounds and their reactions.



### What new KNOWLEDGE will I gain?

You will learn about the structure of the atoms, how to calculate protons, neutrons and electrons,



## C1 Atomic Structure: Learning Journey

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

You will revisit how to separate different mixtures and build on the practical skills you started in KS3.



### What new SKILLS will I develop?

You will be able to 'decode' the periodic table and understand what each symbol and number means. You will be able to draw diagrams of electronic structures and link properties of elements to these structures.



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

In KS3 you will have already learnt about the concept of elements, compounds and mixtures This module builds on that but delves deeper into the structure of the elements and how they behave to form compounds. It builds on your knowledge of the periodic table and explains why they periodic table is arranged as it is.