

Chemistry Curriculum Map

Curriculum Intent

To create a Chemistry curriculum that:

- **Enthuse students about the natural world and the universe around them through a STEM lens.**
- **Coach students to Think Like a Scientist.**

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Year 7	How is matter made up?	What is the difference between an element, compound and a mixture?	How did ideas about the Periodic Table develop over time?	What happens during chemical reactions?	How could you test to distinguish between acid, alkali and water?	What is a salt and how are they made?
Year 8	What are the properties of metals?	What happens during a displacement reaction?	How does filtration work?	How does distillation and chromatography work?	How is copper extracted from copper oxide?	How is the reactivity of metals important for the jobs they do?
Year 9	What is the difference between an atom, ion and an isotope?	How did the ideas about atoms develop over time?	What is the trend in reactivity down Groups 1 and 7 and why does this happen?	What is a chemical bond?	How does chromatography work?	How could you use chemical tests to distinguish between different anions?
Year 10	What is a mole?	What is a titration?	How are metals extracted from their ores?	What happens during electrolysis?	What affects the rate of a reaction?	What are the differences between an alkane and an alkene?
Year 11	Why are alloys more useful than metals?	How is ammonia made and why is it important?	How did the Earth's atmosphere develop over time?	Revision	Revision	Revision