

Subject Yearly Overview 2025-2026

Subject: Year 9 Science	TOPIC	COMPONENT	<i>Notes: Why are you delivering this topic at this time of year?</i>
Autumn 1	To illustrate the atomic structure and periodic table.	Learning about different groups in the periodic table and their properties. Discussing reactivity and the number of electrons.	Introducing students to fundamental topic in chemistry.
Autumn 2	Investigate forces and identify different types of energy.	Learning about different types of forces and how they affect matter. Introducing formulas. Learning about energy transfer.	Pupils know about the particles from autumn 1. Now they are learning about how energy affects matter.
Spring 1	Discuss photosynthesis and respiration	Learning about the structure of lungs and the process of respiration. Comparing respiration to photosynthesis.	Introduction to how animals and plants synthesise energy. Continuation from year 8 topic- cells.
Spring 2	Investigate motion	Analysing graphs representing motions. Investigating speed, reaction time and motion.	Combining forces with motion to discuss forces at work.
Summer 1	Discuss bonding, structure and properties of matter	Introducing two types of chemical bonding and they're formed. Investigating chemical reactions. Discussing chemical and physical properties of different substances.	Revisiting topic from autumn one, and discussing how the properties of chemical substances refer to their chemical structure- periodic table.
Summer 2	Revising scientific methods	Discussing scientific skills such as using appropriate equipment, health and safety in lab, collecting and analysing data and writing scientific report.	Summarising scientific skills learnt over the year.