

## Subject Yearly Overview 2025-2026

Subject: Year 11 Science	TOPIC	COMPONENT	<i>Notes: Why are you delivering this topic at this time of year?</i>
<b>Autumn 1</b>	<p><b>Investigate</b> factors that contribute to healthy living</p> <p><b>Investigate</b> and understand enthalpy changes associated with chemical reactions</p>	<p>To understand the impact of healthy lifestyle of health and diseases.</p> <p>To identify chemical reactions and take measurements.</p>	<p>Starting with basic principles in human health such as diet and exercise.</p> <p>Revisiting chemical bonding and to recognise chemical reactions.</p>
<b>Autumn 2</b>	<p><b>Investigate</b> organic compounds used in society</p> <p><b>Explore</b> the uses of nano-chemicals and new materials</p>	<p>To identify the structure oh hydrocarbons and their uses.</p> <p>To discuss how different chemical structures refer properties of substances and can be used in several industries.</p>	<p>Continuation of Chemistry. Exploring different types of chemical bonds, structure and its effect on properties.</p>
<b>Spring 1</b>	<p><b>Know</b> how preventative measures can be used to support healthy living</p> <p><b>Investigate</b> how some treatments are used when illness occurs</p>	<p>Learning about immunity and barriers present in human body.</p> <p>Identifying benefits and possible challenges related to testing for cancer, Down’s Syndrome, atherosclerosis and phenylketonuria.</p> <p>Discussing treatments for fungi, bacteria, viruses and protist.</p> <p>Investigating.</p> <p>Discussing stem cells.</p>	<p>Building up on previous knowledge gained in KS3. Combining parts of the unit which corelate.</p> <p>Continuing writing scientific reports and research.</p>
<b>Spring 2</b>	<p><b>Investigate</b> electricity</p> <p><b>Investigate</b> light and sound waves</p>	<p>Learning about the components of a circuit and building series and parallel circuits. Analysing graphs and applying formulas for Ohm’s law.</p> <p>Investigating light and sound, and their uses in every day life.</p>	<p>Revisiting electricity and connecting it with light and sound, as different forms of energy.</p>
<b>Summer 1</b>	<p><b>Investigate</b> forces</p> <p><b>Investigate</b> motion</p>	<p>Learning about different types of forces and how they affect matter.</p> <p>Giving examples of how we observe forces at work.</p> <p>Analysing graphs representing motions.</p>	<p>Combining forces and motion to discuss forces at work.</p>

<b>Summer 2</b>	Revision	Covering scientific skills such as using appropriate equipment, health and safety in lab, collecting and analysing data and writing scientific report.	Summarising scientific skills learnt, and revising for the assessment.
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