



SUBJECT: Curriculum Overview

Year 11 trilogy

From September 2025, there will be a change in the sequencing of topics in KS4. This will not affect those starting Y11 in 2025.

Term	Topic studied	What will I learn?	How will I be assessed?
Year 11 Autumn	<i>Chemical analysis</i>	<i>What a pure substance is, how you can tell if a substance is pure using melting and boiling points. Know what a formulation is. How chromatography can be used to separate mixtures and help to identify substances. Know the tests for hydrogen, oxygen, carbon dioxide and chlorine.</i>	<i>End of topic test</i>
Year 11 Spring	<i>Use of resources</i>	<i>Using the Earth's finite and natural resources. How chemistry plays a vital part in improving agriculture and industrial processes and provide new products Definition of sustainable development. What potable water is and the processes of how it is produced. How waste water is treated. What an ore is, the use of phytomining and bioleaching. Use of displacement, and electrolysis to extract copper. What a life cycle assessment is, how they are produced and the limitations of using selective or abbreviated ones. Ways of reducing the use of resources by reduced use, reuse and recycling.</i>	<i>End of topic test</i>
Year 11 Summer	<i>Revision</i>	Revision of topics from the last 3 years	<u>Past paper 2</u> <u>Past paper questions</u>