




Great Park Academy Science Curriculum Overview: Year 11 **Chemistry**

In year 11 we are very pragmatic and are very focused on preparing for GCSE exams at the end of year 11. Year 11 **chemistry** builds on **chemistry** topics from Y7-10, the sequencing of topics and lessons in Y11 have been carefully crafted to support learning and long-term memory, as well as being pragmatic with regards to organizing content in preparation for the structure of GCSE exam papers.

Year	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
11	<p><u>1. C8 – Chemical analysis</u></p>  <p><u>Key questions of chemistry</u> - What is everything in the Universe made of?</p> <p>(a) Pure substances and formulations. (b) Chromatography. (c) Gas tests. (d) Identifying ions (Separate GCSE chemistry only).</p>	<p><u>2. C9 – Chemistry of the atmosphere</u></p>  <p><u>Key questions of chemistry</u> - How can we take care of our planet while also using it to meet our needs?</p> <p>(a) Earth's atmosphere and its evolution. (b) Greenhouse gases and climate change. (c) Common atmospheric pollutants.</p> <p><u>3. C10 – Using resources</u></p>  <p><u>Key questions of chemistry</u> - How can we take care of our planet while also using it to meet our needs?</p> <p>(a) Sustainability. (b) Potable water and waste water treatment. (c) Life cycle assessment.</p>	<p>Mock Exams</p> <p>Review of previous topics</p>	<p>Mock Exams</p> <p>Review of previous topics</p>	<p>Review of previous topics</p> <p>GCSE Exams</p>	<p>GCSE Exams</p>

		<p>(d) Corrosion and its prevention (Separate GCSE chemistry only).</p> <p>(e) Alloys, ceramics, polymers & composites (Separate GCSE chemistry only).</p> <p>(f) The Haber process, fertilizers and food production (Separate GCSE chemistry only).</p>				
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