

DAGENHAM PARK SUBJECT CURRICULUM

Subject	Chemistry
Year Group	11
Overview	<p>GCSE Chemistry offers students the chance to gain a good understanding of:</p> <ul style="list-style-type: none"> • The nature of substances and how they react together. • The ways that atoms bond. • The rate of chemical change. • How chemistry is used in business and industry. • How our use of raw materials in fuels and manufacturing can affect the global and local environment. <p>The specification is designed to give students the tools and concepts they need to be able to construct a scientific approach to solving problems. Students will learn to ask and answer questions about the fundamental laws that govern natural phenomena. This is done by integrating the 'How Science Works' approach throughout the specification.</p> <p>The students need to carry out required practicals during class time to show that they can manipulate equipment, process results, formulate conclusions and evaluate their work.</p>
Autumn Half term 1	<p>Chemistry Unit 7: Organic Chemistry 5.7.1 Carbon compounds as fuels and feedstock</p>
Autumn Half term 2	<p>Chemistry Unit 8: Chemical analysis 5.8.1 Purity, formulations and chromatography 5.8.2 Identification of common gases</p>
Spring Half term 1	<p>Chemistry Unit 9: Chemistry of the atmosphere 5.9.1 The composition and evolution of the Earth's atmosphere 5.9.2 Carbon dioxide and methane as greenhouse gases 5.9.3 Common atmospheric pollutants and their sources</p>
Spring Half term 2	<p>Chemistry Unit 10: Using resources 5.10.1 Using the Earth's resources and obtaining potable water 5.10.2 Life cycle assessment and recycling</p>

Summer Half term 1	Revision
Summer Half term 2	GCSE Exams
Homework	Homework Graded tasks. Revision packs. Exam booklets.
Useful Resources	Useful Resources/websites Study packs on every section are on the learning platform. CGP Revision guides. School's Share point.