

Curriculum Overview

Subject: Chemistry

Year Group: 11



TERM 1	TERM 2	TERM 3
<p>KNOWLEDGE/SKILLS</p> <p>C12 - Chemical analysis (Chromatography, gas tests, instrumental, positive/negative ions).</p> <p>C14- Earth's resources (Potable water, waste water treatment, life cycle assessments, extracting metals)</p> <p>Personalised Revision from Yr 10 PPE</p> <p>Skills:</p> <ul style="list-style-type: none"> • AO1: Demonstrate knowledge and understanding of: scientific ideas; scientific techniques and procedures. • AO2: Apply knowledge and understanding of: scientific ideas; scientific enquiry, techniques and procedures. • AO3: Analyse information and ideas to: interpret and evaluate; make judgments and draw conclusions; develop and improve experimental procedures. 	<p>KNOWLEDGE/SKILLS</p> <p>C10- Organic reactions (Alkenes, alcohol, carboxylic esters/ acids)</p> <p>C11- Polymers (addition/ condensation, natural)</p> <p>C15 - Using our resources (Rusting, glass/ceramics/composites, Haber process, Fertilisers)</p> <p>Personalised revision from December PPE</p> <p>Skills:</p> <ul style="list-style-type: none"> • AO1: Demonstrate knowledge and understanding of: scientific ideas; scientific techniques and procedures. • AO2: Apply knowledge and understanding of: scientific ideas; scientific enquiry, techniques and procedures. • AO3: Analyse information and ideas to: interpret and evaluate; make judgments and draw conclusions; develop and improve experimental procedures. 	<p>KNOWLEDGE/SKILLS</p> <p>Personalised revision from Easter PPE</p> <p>Skills:</p> <ul style="list-style-type: none"> • AO1: Demonstrate knowledge and understanding of: scientific ideas; scientific techniques and procedures. • AO2: Apply knowledge and understanding of: scientific ideas; scientific enquiry, techniques and procedures. • AO3: Analyse information and ideas to: interpret and evaluate; make judgments and draw conclusions; develop and improve experimental procedures.

KEY ASSESSMENTS	KEY ASSESSMENTS	KEY ASSESSMENTS
Half term 1: Chromatograms, Rf exam Half term 2: PPE paper 1	Half term 1: Paper 1 QLA test Half term 2: PPE paper 2	GCSE's
<p>Extended reading suggestions and external resources:</p> <p>KS4 Bitesize Science https://www.bbc.co.uk/bitesize/subjects/zs6hvcw</p> <p>Oak National Academy Lessons https://classroom.thenational.academy/subjects-by-key-stage/key-stage-4/subjects/chemistry</p> <p>Chase High Youtube Playlists https://www.youtube.com/channel/UCSK4ImJfi5sPH4UBp7cZtyQ</p> <p>We actively encourage pupils to read and research about the wider Scientific world- Planet Earth and Perfect Planet both on BBC iPlayer are examples of where pupils can engage with Science from the safety and comfort of their own homes.</p>		