

Bellerive FCJ Catholic College



Department: Chemistry (Separate)

Year Group: 11

Bold indicates building on previous knowledge

Term	Learning Focus	Key Knowledge and Skills	Assessment	Challenge and Enrichment
1	C8 – Rates and equilibrium	<ul style="list-style-type: none"> Reversible reactions, energy and reversible reactions, dynamic equilibrium, altering conditions. 	C8 EOU HW (H/F), Therapy followed by C8 GCSEPOD	C8 Essential knowledge. Rates of reaction Padlet https://padlet.com/herseyd3/chemistry-paper-2-4wr5rgoftnuyb0kv
	C9 – Crude Oil and Fuels	<ul style="list-style-type: none"> Hydrocarbons (alkanes), fractional distillation, burning hydrocarbon fuels, cracking hydrocarbons. 	C9 EOU HW (H/F), Therapy followed by C9 GCSEPOD	C9 Essential knowledge. Organic Chemistry Padlet https://padlet.com/herseyd3/chemistry-paper-2-4wr5rgoftnuyb0kv
	C10 – Organic Reactions	<ul style="list-style-type: none"> Reactions of alkenes, reactions and uses of alcohols, carboxylic acids and esters. 	C10 EOU HW (H/F), Therapy	C10 Essential knowledge.
	C11 – Polymers	<ul style="list-style-type: none"> Addition polymers, condensation polymers, natural polymers, DNA 	C11 EOU HW (H/F), Therapy	C11 Essential knowledge.
	C12 – Chemical Analysis	<ul style="list-style-type: none"> Pure substances and mixtures, Chromatography (Required Practical), Gas tests, testing for positive ions, testing for negative ions (Required Practical), instrumental analysis. 	C12 EOU HW (H/F), Therapy followed by C12 GCSEPOD	C12 Essential knowledge. Analysis Padlet https://padlet.com/herseyd3/chemistry-paper-2-4wr5rgoftnuyb0kv
2	C13 – The Earth's Atmosphere	<ul style="list-style-type: none"> History of the atmosphere, evolving atmosphere, greenhouse gases. 	C13 EOU HW (H/F), Therapy followed by C13 GCSEPOD	C13 Essential knowledge. Atmosphere Padlet https://padlet.com/herseyd3/chemistry-paper-2-4wr5rgoftnuyb0kv
	C14 – The Earth's Resources	<ul style="list-style-type: none"> Finite and renewable resources, potable water (Required Practical), treating waste water, 	C14 EOU HW (H/F), Therapy followed by C14 GCSEPOD	C14 Essential knowledge.

	C15 – Using Resources	<p>extracting copper (H only), Life cycle assessments, recycling.</p> <ul style="list-style-type: none"> • Rusting, alloys, thermosetting and thermosoftening polymers, glass, ceramics, composites, Haber process, fertilisers 	C15 EOU HW (H/F), Therapy	<p>Using Resources Padlet https://padlet.com/herseyd3/chemistry-paper-2-4wr5rgoftnuyb0kv C15 Essential knowledge</p>
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