

Bellerive FCJ Catholic College



Department: Chemistry (Combined)

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 C9 – Crude Oil and Fuels	<ul style="list-style-type: none"> Measuring rates of reaction, collision theory and surface area, temperature and rates of reaction, concentration and rates of reaction (2 Required practicals), catalysts, reversible reactions, energy and reversible reactions, dynamic equilibrium, altering conditions. Hydrocarbons (alkanes), fractional distillation, burning hydrocarbon fuels, cracking hydrocarbons. 	C8 EOU HW (H/F), Therapy followed by C8 GCSEPOD C9 EOU HW (H/F), Therapy followed by C9 GCSEPOD	C8 Essential knowledge. Rates of reaction Padlet https://padlet.com/herseyd3/chemistry-paper-2-4wr5rgoftnuyb0kv C9 Essential knowledge. Organic Chemistry Padlet https://padlet.com/herseyd3/chemistry-paper-2-4wr5rgoftnuyb0kv
2	C10/C12 – Chemical Analysis C11/C13 – The Earth's Atmosphere C12/C14 – The Earth's Resources	<ul style="list-style-type: none"> Pure substances and mixtures, Chromatography (Required Practical), Gas tests. History of the atmosphere, evolving atmosphere, greenhouse gases, climate change, atmospheric pollutants. Finite and renewable resources, potable water (Required Practical), treating waste water, extracting copper (H only), Life cycle assessments, recycling. 	C10/12 EOU HW (H/F), Therapy followed by C10/12 GCSEPOD C11/C13 EOU HW (H/F), Therapy followed by C11/13 GCSEPOD C12/C14 EOU HW (H/F), Therapy followed by C11/13 GCSEPOD	C10/12 Essential knowledge. Analysis Padlet https://padlet.com/herseyd3/chemistry-paper-2-4wr5rgoftnuyb0kv C11/13 Essential knowledge. Atmosphere Padlet https://padlet.com/herseyd3/chemistry-paper-2-4wr5rgoftnuyb0kv C12/14 Essential knowledge. Using Resources Padlet https://padlet.com/herseyd3/chemistry-paper-2-4wr5rgoftnuyb0kv