

<b>Curriculum Map</b>	<b>Subject</b>	Chemistry	<b>Year</b>	11
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Unit	Summary	Skills	Assessment	British Values and SMSC	Career links	Cross-curricular links
C8 – Rates and Equilibrium	Rate of reaction and how they can be altered; reversible reactions & equilibrium	Using models to explain Maths – graphing & analysing data Practical skills – investigating rate	End of Topic Assessment HW – Seneca HW – Exam Booklets	Health & safety policies	Health & safety – powders	Biology, enzymes & disease
C9 – Crude oil & fuels	Hydrocarbons and crude oil – processing and use	Linking structure with properties Using models Maths skills – estimating, analysing graphs	End of Topic Assessment HW – Seneca HW – Exam Booklets	global citizenship & environmental impacts of lifestyle	Oil extraction & processing; Environmental scientist Geography	Climate Change Renewable energy
C10 – Organic reactions (triple only)	<i>Organic functional groups – their properties and uses</i>	Comparing observations using models predicting products literacy – nomenclature (prefix & suffix)	End of Topic Assessment HW – Seneca HW – Exam Booklets	global citizenship & environmental impacts of lifestyle	Research chemist	
C11 – Polymers (triple only)	<i>Polymers (additional &amp; condensation) with DNA as an example</i>	using models predicting products explaining synoptic links	End of Topic Assessment HW – Seneca HW – Exam Booklets	Recycling and environmental impacts		Link to Biology spec - DNA
C12 – Chemical analysis	Analysing pure & impure substances, dyes and gases ( <i>testing for ions &amp; instrumental analysis</i> )	Forensic testing justifying opinions based on evidence Analysing data	End of Topic Assessment HW – Seneca HW – Exam Booklets	Testing foods – how do you know what is in what you eat? Can you trust the label?	Forensics Food testing	
C13 – Earth's atmosphere	How the atmosphere evolved and how it is still being changed; global warming & atmospheric pollution mechanisms	Evaluating and inferring justifying using evidence analysing data reviewing and revising theory in light of new thinking	End of Topic Assessment HW – Seneca HW – Exam Booklets	global citizenship & environmental impacts of lifestyle	geologist, climatology environmental scientist	History

C14 – Earth's resources	Sustainable living, including drinking water, sewage, recycling and product life cycle assessments	justifying opinions synoptic links analysing data quantitative and qualitative data	End of Topic Assessment HW – Seneca HW – Exam Booklets	Environmental impact of modern society  & sustainable living. Reduce, reuse, recycle quantitative vs qualitative data	Product design, materials design, engineer, water treatment, environmental scientist	Geography
<i>C15 – Using Earth's resources (triple only)</i>	Alloys and designer materials; Haber process and optimum conditions	evaluating data to justify conclusions	End of Topic Assessment HW – Seneca HW – Exam Booklets	Use of fertilisers (evaluating positive and negative impacts)	farming engineer hydrologist	