

Subject	Chemistry						
	Interpretation of National Curriculum into Year group Endpoints						
Year	Term 1		Term 2		Term 3		
9	<b>Fundamental Chemistry</b>		<b>Energy &amp; Rates of Reactions</b>		<b>Organic Chemistry</b>		
		<b>Content</b>		<b>Content</b>		<b>Content</b>	
	1	What is a chemical reaction?	1	Energy Changes	1	What are hydrocarbons and where can they be found?	
	2	What is a physical change?	2	Exothermic reactions	2	How do we separate the different hydrocarbons found in crude oil?	
	3	What are formulations?	3	Endothermic reactions		<b>Feedback point 1 – Fractional distillation</b>	
	4	What is chromatography?	4	Making and Breaking bonds (HT)	3	What are the properties of hydrocarbons?	
	5	How can Chromatography be used?	5	What is rate of reaction?	4	What are the causes and problems of air pollution?	
	6	<b>Feedback point 1 Rf and Analysis of chromatogram</b>	6	How does concentration affect the rate?		5	How are hydrocarbons broken down?
		What does an atom look like?		<b>Feedback point 1 (L4 HT only)</b>	6	How do alkenes react?	
	7	What is inside an atom?	7	How does surface area affect the rate?	7	How do alkenes react with other substances?	
	8	What are isotopes?	8	How can we measure rate by collecting a gas?	8	What are alcohols and how do they react?	
		<b>Feedback point 2 Atomic structure and isotope calculations</b>	9	How does temperature affect the rate?		<b>Feedback point 2 Ethanol production</b>	
	9	How did the periodic table develop?	10	How can we measure the rate using a colour change?	9	What are carboxylic acids and how do they react?	
	10	Why is the periodic table that shape?	11	How can we interpret and explain data?	10	What is a polymer and how are they formed by addition?	
11	Why do we balance equations?	12	How can we measure rate using a change in mass?	11	(HT only) How can polymers be formed by condensation?		
	<b>Progress test</b>		<b>Feedback point 2 (L11)</b>	12	(HT only) Which polymers occur naturally – amino acids?		
13		13	What is a catalyst?	13	Which polymers occur naturally?		
14		14	How do catalysts work?		<b>Progress test</b>		
			<b>Progress test</b>				