

Subject	Year	Term
Science	9	1
Topic		
C7 Organic Chemistry		
Content (Intent)		
Prior Learning (Topic) KS2 National curriculum Y5 properties and changes of materials, KS3 Y7 7C1 Separating mixtures, Y8 8C2 Combustion		
<ul style="list-style-type: none"> Hydrocarbons – definition, properties Crude oil – formation, separation, uses Alkanes – naming, general formula, uses Alkenes – naming, general formula, uses Combustion of hydrocarbons – balanced equations, complete and incomplete combustion Cracking 		
Future Learning (Topic) Y9 C10 , Using resources, Y10 Bonding, structure and properties of matter, Y11 C4 Chemical changes, Y12 4.1.1 Basic concepts of organic chemistry, Y13 6.1 Aromatic compounds, carbonyls and acids		
How will knowledge and skills be taught? (Implementation)	How will your understanding be assessed & recorded (Impact)	
<p>Demos: testing alkene with bromine water, Molymods, testing products of combustion, cracking demo</p> <p>Practical work:</p> <ul style="list-style-type: none"> Comparing properties of different sized hydrocarbons <p>Written Notes in book.</p>	<p>- 2 x standard homeworks (Level given. Written feedback. Response expected.)</p> <p>-1 x combined end of topic test with C8 (Level given. Verbal feedback to class and individuals.)</p>	
How can parents help at home?		
<p>Look at the topic specific resources on the VLE</p> <p>Use appropriate youtube channels: cognito, primrosekitten, khan academy, freesciencelessons.</p> <p>Take an interest! Ask your children what they have learnt and be curious about their learning.</p>		
Helpful further reading/discussion		
Reading	Vocabulary Lists combustion hydrocarbon alkene alkane fractional distillation	Careers Links Geologist Environmental scientist Petrochemical industry Organic scientists

	cracking	
--	----------	--