



Subject	Year	Term																
Chemistry	11	1																
Topic																		
Chemistry – Organic Chemistry (Unit 7), Rates of a Chemical Reactions (Unit 6)																		
Content (Intent)																		
Prior Learning (Topic) Chemistry –Using resources (Unit 10), Energy Changes (Unit 5)																		
AQA GCSE Chemistry <ul style="list-style-type: none">Unit 6 – Rates of a Chemical reaction and EquilibriaUnit 7 Organic Chemistry - Alkanes, Alkenes, Fractional Distillation, Cracking, Polymerisation. Alcohols, Carboxylic acids, condensation polymerisation, Amino acids, DNA and other naturally occurring polymers.																		
Future Learning (Topic) Rates of a Chemical Reaction and Equilibria (Unit 6)																		
What Knowledge and Skills will be taught (Implementation)	How will your understanding be assessed & recorded (Impact)																	
Unit 7 Organic Chemistry To study hydrocarbons, their production and uses. Including Crude oil, Alkanes, Alkenes, Fractional Distillation, Cracking, Properties of Hydrocarbons, Addition Polymerisation, Alcohols, Carboxylic acids, Esters, condensation polymerisation, Amino acids, DNA and other naturally occurring polymers.	Key Piece of work (Homework) Pupils given a percentage and formative feedback provided. End of topic test and Mock Exams Pupils given a percentage and GCSE equivalent grade. Formative feedback provided.																	
Unit 6 Rates of a Chemical Reaction and Equilibria Collision theory, rate calculations and graph skills. Show how some reactions are reversible depending on conditions. Recall the principles of equilibria, Le Chatelier’s principle and the conditions that effect equilibria. Required Practical ‘Measuring the Rate of a reaction’	Key Piece of work (Homework) Pupils given a percentage and formative feedback provided. End of topic test and Mock Exams Pupils given a percentage and GCSE equivalent grade. Formative feedback provided. Interleaving Topic Unit 3 Quantitative Chemistry – Key Terms and concepts, will be reviewed prior to the start of the Unit 6 Rates of a Chemical reaction																	
How can parents help at home?																		
Ensure all class booklets are complete and homework submitted on time Assist in ensuring the active use of the EDUCAKE online learning platform where each pupil is given a personal log on from their teachers. Encourage pupils to revise for tests and exams and to create revision resources such as flash cards and posters. Ensure all pupils have all their resources required for science lessons, including knowledge organisers, pens and calculators																		
Helpful further reading/discussion (including Reading and Vocabulary Lists)																		
Reading AQA revision guides AQA revision cards EDUCAKE online learning platform. GCSE POD BHHS Knowledge organisers	Vocabulary Lists <table><tr><td>Alkanes</td><td>Formulation</td></tr><tr><td>Alkenes</td><td>Condensation</td></tr><tr><td>Polymers</td><td>Polymerisation</td></tr><tr><td>Addition Polymerisation</td><td>Electrolysis</td></tr><tr><td>Cracking</td><td>Titration</td></tr><tr><td>Fractional Distillation</td><td>Ore</td></tr><tr><td>Carboxylic acids</td><td></td></tr><tr><td>Esters</td><td></td></tr></table>		Alkanes	Formulation	Alkenes	Condensation	Polymers	Polymerisation	Addition Polymerisation	Electrolysis	Cracking	Titration	Fractional Distillation	Ore	Carboxylic acids		Esters	
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