

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 –Chemical Changes (Unit 4), Energy Changes (Unit 5)																
AQA GCSE Chemistry <ul style="list-style-type: none"> • Unit 6 – Rates of a Chemical reaction and Equilibria • Unit 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), Using Resources (Unit 10)																
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 Pupils given a percentage and GCSE equivalent grade. Formative feedback provided. Year 11 Assessment 2 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’ 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	Key Piece of work (Homework) Pupils given a percentage and formative feedback provided. End of topic test Pupils given a percentage and GCSE equivalent grade. Formative feedback provided. Year 11 Assessment 2 Pupils given a percentage and GCSE equivalent grade. Formative feedback provided															
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 Seneca Learning	Vocabulary Lists <table style="width: 100%; border: none;"> <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>Esters</td> </tr> </table>		Alkanes	Formulation	Alkenes	Condensation	Polymers	Polymerisation	Addition Polymerisation	Electrolysis	Cracking	Titration	Fractional Distillation	Ore	Carboxylic acids	Esters
Alkanes	Formulation															
Alkenes	Condensation															
Polymers	Polymerisation															
Addition Polymerisation	Electrolysis															
Cracking	Titration															
Fractional Distillation	Ore															
Carboxylic acids	Esters															