

Subject	Year	Term
<b>Chemistry</b>	<b>11</b>	<b>2</b>
Topic		
Rates of a Chemical Reactions and Equilibria (Unit 6), Using Resources (Unit 10)		
Content (Intent)		
<b>Prior Learning (Topic)</b> Chemistry –Using resources (Unit 10), Energy Changes (Unit 5)		
<p>AQA GCSE Chemistry</p> <ul style="list-style-type: none"> <li>Unit 6 Rates of a Chemical Reaction and Equilibria including the collision theory, le Chateliers principle, reversible reactions and the Haber process.</li> <li>Unit 10 – Using Resources – Potable water, extracting metals, Life Cycle Assessments</li> <li>Revision of prior GCSE Chemistry units 1-10</li> </ul>		
<b>Future Learning (Topic)</b> Revision And Exam Practice		
What Knowledge and Skills will be taught (Implementation)	How will your understanding be assessed & recorded (Impact)	
<p><b>Unit 6 Rates of a Chemical Reaction and Equilibria</b> Collision theory, rate calculations and graph skills. Show how some reactions are reversible depending on conditions. Recall the principles of equilibria, Le Chateliers principle and the conditions that effect equilibria.</p> <p>Required Practical ‘Measuring the Rate of a reaction’</p>	<p><b>Key Piece of work (Homework)</b> Pupils given a percentage and formative feedback provided.</p> <p><b>End of topic test</b> Pupils given a percentage and GCSE equivalent grade. Formative feedback provided.</p> <p><b>Year 11 Assessment 2</b> Pupils given a percentage and GCSE equivalent grade. Formative feedback provided</p>	
<p><b>Unit 10 Using Resources</b> Processes by which Potable water is produced and definitions. Methods of extracting metals such as copper. Life Cycle assessments for everyday items and materials. Corrosion, Alloys, Ceramics, Polymers, Composites. The Haber process and NPK Fertilisers.</p> <p>Required practical ‘Analysis and Purification of Water’</p> <p><b>Revision</b> Previously taught GCSE Chemistry Units 1-10 will be reviewed through past paper practice and recall activities.</p>	<p><b>Key Piece of work (Homework)</b> Pupils given a percentage and formative feedback provided.</p> <p><b>End of topic test</b> Pupils given a percentage and GCSE equivalent grade. Formative feedback provided.</p> <p><b>Walking talking Mocks (WTM)</b> Formative feedback provided.</p>	
How can parents help at home?		
<p>Ensure all class booklets are complete and homework submitted on time</p> <p>Assist in ensuring the active use of the EDUCAKE online learning platform where each pupil is given a personal log on from their teachers.</p> <p>Encourage pupils to revise for tests and exams and to create revision resources such as flash cards and posters.</p> <p>Ensure all pupils have all their resources required for science lessons, including knowledge organisers, pens and calculators</p>		
Helpful further reading/discussion (including Reading and Vocabulary Lists)		
<p><b>Reading</b> AQA revision guides AQA revision cards EDUCAKE online learning platform. GCSE POD BHHS Knowledge organisers Seneca Learning</p>	<p><b>Vocabulary Lists</b> Equilibria Le Chateliers Principle Haber Process Dynamic Equilibrium Potable Water</p>	<p>Life Cycle Assessment Electroplating Galvanising Sacrificial Anode Haber Process</p>