



Overview	<p>Students will study the AS content of the AQA chemistry specification and begin studying the A2 content in the summer term. Students will be taught by two teachers that cover half of the specification each. This simultaneous teaching enables depth and breadth of curriculum coverage. They will build on their GCSE knowledge of atomic structure, bonding, chemical calculations, energy changes, rates, organic chemistry and chemical analysis.</p> <p>They will also build on their practical skills by completing investigative work that compliments the learning of the theory whilst providing opportunity for students to experience the use of more complex apparatus and techniques. A minimum of 12 of these will be assessed over the course. All work, whether theoretical or practical, is designed to prepare students for the next stage of their life, whether that be further academic study or work, and to enable them to become informed citizens that can make positive contributions to society.</p>
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Autumn Term	<p>Teacher A: Atomic Structure, Amount of Substance</p> <p>Teacher B: Bonding, Intro to Organic Chemistry, Alkanes, Halogenoalkanes, Alkenes</p>	<p>Assessment</p> <p>½ termly synoptic assessments Digital Platforms: Seneca Homework, Carousel Learning, UpLearn – 2hrs per week Chemistry Required Practical: Prac 1a Make up a volumetric soln, Prac 1b Acid base titration</p>
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Spring Term	<p>Teacher A: Energetics, Kinetics</p> <p>Teacher B: Alcohols, Organic Analysis and Periodicity</p>	<p>Assessment</p> <p>½ termly synoptic assessments Digital Platforms: Seneca Homework Carousel Learning, UpLearn – 2hrs per week Chemistry Required Practical: Prac 2 Measure an enthalpy change, Prac 5 Prepare ethanal, Prac 4 Test for cations and anions</p>
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Summer Term	<p>Teacher A: Redox, Equilibria, Equilibrium constant K_p (A2), Properties of Period 3 (A2)</p> <p>Teacher B: Group 2 and Group 7, Aldehydes and Ketones (A2), Optical Isomerism (A2)</p>	<p>Assessment</p> <p>½ termly synoptic assessments Digital Platforms: Seneca Homework Carousel Learning, UpLearn – 2hrs per week Chemistry Required Practical: Prac 3 Rate/temp</p>
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<p>Useful Resources for Supporting Your Child at Home:</p> <p>Carousel – revision & study pack flash-cards Seneca – interactive revision Physics and maths tutor – online exam question bank & flashcards Savemyexams – useful exam practice website Chemguide - revision UpLearn – 2hrs per week</p>	<p>Homework:</p> <p>Seneca, Carousel, targeted worksheets, research projects, flipped learning opportunities, UpLearn</p>
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