

## Year 11 Mock Exam Week Preparation

Year Group:	11
Subject:	Chemistry
Tier (if applicable):	H, F and Combined Science

### Details of mock exam

Paper to be sat:	Paper 2	
Topics to be covered in the mock:	<p><b>COMBINED</b></p> <p><i>Topic 5 – Rate of Reaction</i></p> <ul style="list-style-type: none"> <li>How is rate affected by concentration, temperature, particle size and catalysis</li> <li><b>Calculating rate from tangents to curve (H only)</b></li> <li>Reversible Reactions</li> <li>Equilibria</li> <li><b>Effect of pressure, temperature on equilibria (H only)</b></li> </ul> <p><i>Topic 6 – Analysis</i></p> <ul style="list-style-type: none"> <li>Chromatography</li> <li>Purity, melting points and formulations.</li> <li>Gas Testing</li> </ul> <p><i>Topic 7 – Carbon Chemistry</i></p> <ul style="list-style-type: none"> <li>Crude Oil Fractional Distillation</li> <li>Properties of Fractions</li> <li>Cracking</li> <li>Alkanes and Alkenes</li> </ul> <p><i>Topic 8 – Earth's Materials (not all of below and students will be told closer to exam)</i></p> <ul style="list-style-type: none"> <li>Evolution of the Atmosphere</li> <li>Climate Change</li> <li>Renewable Resources</li> <li>Water Treatment</li> <li>Life Cycle Analysis</li> <li>Extracting metals from ores (phytomining and bioleaching)</li> </ul>	<p><b>TRIPLE</b></p> <p><i>Topic 5 – Rate of Reaction</i></p> <ul style="list-style-type: none"> <li>How is rate affected by concentration, temperature, particle size and catalysis</li> <li>Calculating rate from tangents to curve</li> <li>Reversible Reactions</li> <li>Equilibria</li> <li>Effect of pressure, temperature on equilibria</li> </ul> <p><i>Topic 6 – Analysis</i></p> <ul style="list-style-type: none"> <li>Chromatography</li> <li>Purity, melting points and formulations.</li> <li>Gas Testing</li> <li>Testing for Positive and Negative Ions</li> <li>Instrumental Analysis</li> </ul> <p><i>Topic 7 – Carbon Chemistry</i></p> <ul style="list-style-type: none"> <li>Crude Oil Fractional Distillation</li> <li>Properties of Fractions</li> <li>Cracking</li> <li>Alkanes and Alkenes</li> <li>Reaction of Alkenes Alcohols, Carboxylic Acids, Esters Addition, Condensation Polymers and DNA)</li> </ul> <p><i>Topic 8 – Earth's Materials (some of below – students will be told closer to exam))</i></p> <ul style="list-style-type: none"> <li>Evolution of the Atmosphere</li> <li>Climate Change</li> <li>Renewable Resources</li> <li>Water Treatment</li> <li>Life Cycle Analysis</li> <li>Extracting metals from ores (phytomining and bioleaching)</li> <li>Material Properties</li> <li>Nitrogen Fertilizers</li> </ul>

### Materials to support your revision

Link to Online Resources:	Use Kerboodle (via school website) for text book, questions and resource School code ob2 Pupils have been given login details Usually initial and surname
Link to exemplar questions or past papers to use:	
Link to model answers or mark schemes:	
Recommended revision guides:	Students have these – Collins AQA Chemistry
In house booklets:	Question sheets
For essay subjects and longer answer questions – suggested question titles for practice:	