

Science Department

Curriculum Overview - Year 11 - Triple Science - Chemistry

The Big Picture:

Year 11 will study: How useful organic chemicals are extracted from crude oil and used in a variety of applications. Students will look at the resources extracted from our natural environment and how we can conserve and use these resources. Students will focus on chemical calculations, predicting amounts of product and use titrations to establish the concentration of solutions.

AO1: Demonstrate knowledge and understanding of the topic.

AO2: Apply your knowledge and understanding of the topic and use your scientific ideas.

AO3: Analyse information in a scientific context and use your understanding to make predictions and evaluations.

<https://www.aqa.org.uk/subjects/science/gcse/chemistry-8462>

<p>Term 1: Crude Oil and Fuels and The Earth's Atmosphere</p> <p>Green Task: Fractional Distillation</p> <p>Assessment Objectives covered - AO1, AO2, AO3</p>	<p>Term 4: Chemical Analysis and Using our Resources</p> <p>Green Task: Chemical Analysis</p> <p>Assessment Objectives covered - AO1, AO2, AO3</p>
<p>Term 2: The Earth's Resources and Quantitative Chemistry</p> <p>Green Task: Reacting mass and Concentration</p> <p>Assessment Objectives covered - AO1, AO2, AO3</p>	<p>Term 5: Revision and Exams</p> <p>Green Task:</p> <p>Assessment Objectives covered - AO1, AO2, AO3</p>
<p>Term 3: Titration, Organic Reactions and Polymers</p> <p>Green Task: Polymerisation</p> <p>Assessment Objectives covered - AO1, AO2, AO3</p>	