



Triple Chemistry: Year 10

Scheme of Learning	Assessments
<ul style="list-style-type: none">▪ AO1: Demonstrate knowledge and understanding of: scientific ideas; scientific techniques and procedures.▪ AO2: Apply knowledge and understanding of: scientific ideas; scientific enquiry, techniques and procedures.▪ AO3: Analyse information and ideas to: interpret and evaluate; make judgments and draw conclusions; develop and improve experimental procedures.	All Tests and Required Practicals cover all the assessment objectives.
<p>Half Term One:</p> <p>The Overarching Inquiry: What are atoms?</p> <p>C4.1 Atomic structure</p> <p>The Overarching Inquiry: What is a chemical reaction and how can we calculate its purity?</p> <p>C4.3 Quantitative Chemistry</p>	<p>Assessment 1 Test C4.1 Atomic Structure</p> <p>Assessment 2 Literacy Assessment- Mendeleev Periodic Table</p>
<p>Half Term Two:</p> <p>The Overarching Inquiry: What is a chemical reaction and how can we calculate its purity?</p> <p>C4.3 Quantitative Chemistry</p>	<p>Assessment 3 Test C4.3 Quantitative Chemistry</p> <p>Assessment 4 RP Soluble salt</p> <p>Assessment 5 RP Titrations</p>

<p>The Overarching Inquiry: How can the physical conditions effect the rate of a chemical reaction?</p> <p>C4.4 Chemical Changes</p>	
<p>Half Term Three:</p> <p>The Overarching Inquiry: How can we use our knowledge of chemical reactions to make new materials?</p> <p>C4.4 Chemical Changes</p> <p>The Overarching Inquiry: How can chemical reactions be useful in everyday life?</p> <p>C4.5 Energy Changes</p>	<p>Assessment 6 RP Electrolysis</p> <p>Assessment 7 C4.4 Chemical Changes</p> <p>Assessment 8 RP Investigating temperature changes</p> <p>Assessment 9 C4.5 Energy Changes</p>
<p>Half Term Four:</p> <p>The Overarching Inquiry: How can the physical conditions effect the rate of a chemical reaction?</p> <p>C4.6 The rate and extent of chemical change</p>	<p>Assessment 10 RP Investigating the effect of temperature mon the rate of a chemical reaction.</p> <p>Assessment 11 RP Investigating the effect of concentration on the rate of a chemical reaction.</p> <p>Test C4.6 The rate and extent of chemical change</p>
<p>Half Term Five:</p> <p>The Overarching Inquiry: How can organic molecules be used to make new and useful materials?</p> <p>C4.7 Organic Chemistry</p>	<p>Assessment 11 C4.7 Organic Chemistry</p> <p>Assessment 12 RP Chromatography</p>

Half Term Six:

The Overarching Inquiry:

How can we identify specific chemicals?

C4.8 Chemical Analysis

Revision and DTT

Assessment 13

RP Identification of Ions

Assessment 14

Test C4.8 Chemical Analysis

End of Year Exams