



## Combined Science: Year 9

Scheme of Learning	Assessments
<ul style="list-style-type: none"><li>▪ AO1: Demonstrate knowledge and understanding of: scientific ideas; scientific techniques and procedures.</li><li>▪ AO2: Apply knowledge and understanding of: scientific ideas; scientific enquiry, techniques and procedures.</li><li>▪ AO3: Analyse information and ideas to: interpret and evaluate; make judgments and draw conclusions; develop and improve experimental procedures.</li></ul>	All Tests and Required Practicals cover all the assessment objectives.
<p>Half Term One:</p> <p>The Overarching Inquiry: What are the basic units of organisms and how do they control the cell?</p> <p>B4.1 Cell Biology</p> <p>The Overarching Inquiry: What are atoms?</p> <p>C4.1 Atomic structure</p>	<p>Assessment 1 Required Practical B1 - Using a light microscope</p> <p>Assessment 2 Test B4.1 Cell Biology</p>
<p>Half Term Two:</p> <p>The Overarching Inquiry: What are atoms?</p> <p>C4.1 Atomic structure</p> <p>The Overarching Inquiry: How is energy used and transferred?</p> <p>P4.1 Energy</p>	<p>Assessment 3 Test C4.1 Atomic Structure</p> <p>Assessment 4 Required Practical P1 - Investigation into specific heat capacity</p> <p>Assessment 5 Test P4.1 Energy</p>

<p>Half Term Three:</p> <p>The Overarching Inquiry: How do our body systems coordinate together?</p> <p>B4.2 Organisation</p> <p>The Overarching Inquiry: How is electricity used in everyday life? P4.2 Electricity</p>	<p>Assessment 6 RP B4- Food Tests</p> <p>Assessment 7 RP B5- Enzyme and the effect of PH</p> <p>Assessment 8 Test B4.2 Cells</p> <p>Assessment 9 RP P3 Electrical Circuits</p>
<p>Half Term Four:</p> <p>The Overarching Inquiry: What are the states of matter and how to the structure of materials relate to their properties?</p> <p>C4.2 Bonding structure and the properties of matter</p> <p>The Overarching Inquiry: How is electricity used in everyday life? P4.2 Electricity</p>	<p>Assessment 10 RP P4 Investigating I-V</p> <p>Assessment 11 Test P4.2 Electricity</p>
<p>Half Term Five:</p> <p>The Overarching Inquiry: What are the states of matter and how to the structure of materials relate to their properties?</p> <p>C4.2 Bonding structure and the properties of matter</p> <p>The Overarching Inquiry: How do multicellular organisms respond to microorganisms?</p> <p>B4.3 Infection and response</p>	<p>Assessment 12 Test C4.2 Bonding and the properties of matter</p> <p>Assessment 13 Test B4.3 Infection and response</p>
<p>Half Term Six:</p> <p>The Overarching Inquiry: What is a chemical reaction and how can we calculate its purity?</p>	<p>Assessment 14 Test C4.3 Quantitative Chemistry</p> <p>Assessment 15 RP P5 Investigating density</p>

C4.3 Quantitative Chemistry

P4.3 Particle model of matter

Assessment 16

Test P4.3 Particle model of matter