



Combined Science: Year 10

Scheme of Learning	Assessments
<p>AO1: Demonstrate knowledge and understanding of: scientific ideas; scientific techniques and procedures.</p> <p>▪ AO2: Apply knowledge and understanding of: scientific ideas; scientific enquiry, techniques and procedures.</p> <p>▪ AO3: Analyse information and ideas to: interpret and evaluate; make judgments and draw conclusions; develop and improve experimental procedures.</p>	<p>All Tests and Required Practicals cover all the assessment objectives.</p>
<p>Half Term One:</p> <p>The Overarching Inquiry: How do our body systems coordinate together?</p> <p>B4.2 Organisation</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 B4.2 Organisation</p> <p>Assessment 2 Test C4.1 Atomic Structure</p> <p>Assessment 3 Test C4.3 Quantitative Chemistry</p>
<p>Half Term Two:</p> <p>The Overarching Inquiry: How is energy used and</p>	<p>Assessment 4 Required Practical P1- Investigation into specific heat</p>

<p>transferred?</p> <p>P4.1 Energy</p> <p>The Overarching Inquiry: How do multicellular organisms respond to microorganisms?</p> <p>B4.3 Infection and response</p> <p>The Overarching Inquiry: How are plants and animals interlinked to help each other?</p> <p>B4.4 Bioenergetics</p> <p>The Overarching Inquiry: How can the physical conditions affect the rate of a chemical reaction?</p> <p>C4.4 Chemical Changes</p>	<p>capacity</p> <p>Assessment 5 Test P4.1 Energy</p> <p>Assessment 6 Test B4.3 Infection and response</p> <p>Assessment 7 Test B4.4 Bioenergetics</p>
<p>Half Term Three:</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>The Overarching Inquiry: How is electrical charge the fundamental property of matter everywhere?</p> <p>P4.2 Electricity</p>	<p>Assessment 8 RP Soluble salt</p> <p>Assessment 9 RP Electrolysis</p> <p>Assessment 10 C4.4 Chemical Changes</p> <p>Assessment 11 Test P4.2 Electricity</p>
<p>Half Term Four:</p> <p>The Overarching Inquiry: What is the particle model and how can it be used to predict the behaviour of solids/liquids and gases?</p>	<p>Assessment 11 P4.3 Particle Models of Matter</p> <p>Assessment 13 RP P5 Investigating density</p>

<p>P4.3 Particle model of matter</p> <p>The Overarching Inquiry: How can radioactive substances be harmful and useful?</p> <p>P4.4 Atomic Structure- Atoms and Nuclear Radiation</p> <p>The Overarching Inquiry: How do we regulate our body internally? B4.5 Homeostasis</p>	<p>Assessment 14 P4.4 Atomic Structure</p> <p>Assessment 15 RP Measuring the rate of our reactions</p>
<p>Half Term Five:</p> <p>The Overarching Inquiry: How do we regulate our body internally?</p> <p>B4.5 Homeostasis</p> <p>The Overarching Inquiry: How can chemical reactions be useful in everyday life?</p> <p>C4.5 Energy Changes</p> <p>The Overarching Inquiry: How can the theory of forces be applied in everyday life?</p> <p>P4.5 Forces</p>	<p>Assessment 16 Test B4.5 Homeostasis</p> <p>Assessment 17 RP Investigating temperature changes</p> <p>Assessment 18 RP Investigating the relationship between force and extension</p> <p>Assessment 19 Test C4.5 energy changes</p>
<p>Half Term Six:</p> <p>The Overarching Inquiry: How can the theory of forces be applied in everyday life?</p> <p>P4.5 Forces</p> <p>Revision and DTT</p>	<p>Assessment 20 Test P4.5 Forces- Forces and their interactions</p> <p>End of Year Exams</p>

