

# SCIENCE (TRIPLE)

Exam board: AQA

## Assessment

6 Papers each 1 hour and 45 minutes long.

Assessment will be focused on AQA's three criteria:

A01) Demonstrate knowledge and understanding of: scientific ideas, scientific techniques and procedures

A02) Apply knowledge and understanding of: scientific ideas, scientific techniques and procedures

A03) Analyse information and ideas to: interpret and evaluate; make judgements and draw conclusions; develop and improve experimental procedures.

## Papers

Biology Paper 1 (50% Biology grade),

Biology Paper 2 (50% Biology grade),

Chemistry Paper 1 (50% Chemistry grade),

Chemistry Paper 2 (50% Chemistry grade),

Physics Paper 1 (50% Physics grade),

Physics Paper 2 (50% Physics Grade).

## Topics Covered

For this course students will cover all the topics in Trilogy, but in more detail such as for the infection topic (of Biology paper 1) students on this course will study plant diseases whereas trilogy students just need to cover animal diseases. In the organic chemistry section (of Chemistry paper 2) students will be expected to describe various reactions of alkenes in addition to the expectations of the trilogy course. Also, in the particle matter section (of Physics paper 1) students will have to calculate pressure in gases.

As well as assessments students will be carrying out required practical experiments to help further enhance their knowledge and skills.

## Lower School Teaching Staff

Ben Garton

Victoria Ng

Jonathan Sullivan

Michael Stanley

Paul Dutton



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## Programme of Study

<p><b>Autumn Term 1</b></p> <ul style="list-style-type: none"> <li>• B1: Cells biology</li> <li>• B2: Organisation</li> <li>• C1: Atomic Structure and the periodic table</li> <li>• C2: Bonding, Structure and Properties of Matter</li> <li>• C3: Quantitative Chemistry</li> <li>• P1: Energy</li> <li>• P2: Electricity</li> </ul>	<p><b>Autumn Term 2</b></p> <ul style="list-style-type: none"> <li>• B3: Infection and response</li> <li>• B4: Bioenergetics</li> <li>• C4: Chemical Change</li> <li>• C5: Energy Changes</li> <li>• P3: Particle model of Matter</li> <li>• P4: Atomic Structure</li> </ul>
<p><b>Spring Term 3</b></p> <ul style="list-style-type: none"> <li>• B5 Homeostasis and response</li> <li>• B6 Inheritance, Variation and Evolution</li> <li>• C6: The Rate and Extent of Chemical Change</li> <li>• C7 Organic Chemistry</li> <li>• P5: Forces</li> <li>• P6 Waves</li> </ul>	<p><b>Spring Term 4</b></p> <ul style="list-style-type: none"> <li>• B6 Inheritance, Variation and Evolution</li> <li>• B7: Ecology</li> <li>• C8: Chemical Analysis</li> <li>• C9: Chemistry of the Atmosphere</li> <li>• C10: Using resources</li> <li>• P6: Waves</li> <li>• P7: Magnetism and Electromagnetism</li> <li>• P8: Space</li> </ul>
<p><b>Summer Term 5</b></p> <ul style="list-style-type: none"> <li>• Exam Technique and revision</li> </ul>	<p><b>Summer Term 6</b></p> <p>n/a</p>

