

SCIENCE (DOUBLE)

Exam board: AQA

All students will study Biology, Chemistry and Physics, leading to one or more of the following qualifications.

GCSE Combined Science Trilogy (2 GCSEs)

Assessment

6 exams to be taken at the end of the course. 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 (16.7% of grade), **Biology Paper 2** (16.7% of grade), **Chemistry Paper 1** (16.7% of grade), **Chemistry Paper 2** (16.7% of grade), **Physics Paper 1** (16.7% of grade), and **Physics Paper 2** (16.7% of grade).

Biology paper 1 covers a variety of topics such as cell biology, organisation, infection and response as well as bioenergetics. The questioning styles used on this paper is a mixture of multiple choice, structured, closed short answer, and open response and lasts 1 hour and 15 minutes.

Biology paper 2 covers a variety of topics such as Inheritance, variation, evolution, ecology, homeostasis and response. The questioning styles used on this paper is a mixture of multiple choice, structured, closed short answer, and open response and lasts 1 hour and 15 minutes.

Chemistry paper 1 covers a variety of topics such as atomic structure, periodic table, bonding, properties of matter, quantitative chemistry, chemical changes and energy changes. The questioning styles used on this paper is a mixture of multiple choice, structured, closed short answer, and open response and lasts 1 hour and 15 minutes.

Chemistry paper 2 covers a variety of topics such as the rate and extent of chemical change, organic chemistry, chemical analysis, chemistry of the atmosphere and using resources. The questioning styles used on this paper is a mixture of multiple choice, structured, closed short answer, and open response and lasts 1 hour and 15 minutes.

Physics paper 1 covers a variety of topics such as energy, electricity, particle model of matter and atomic structure. The questioning styles used on this paper is a mixture of multiple choice, structured, closed short answer, and open response and lasts 1 hour and 15 minutes.

Physics paper 2 covers a variety of topics such as forces, waves, magnetism and electromagnetism. The questioning styles used on this paper is a mixture of multiple choice, structured, closed short answer, and open response and lasts 1 hour and 15 minutes.

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



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Programme of Study

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

