

Mrs Ross

HEAD OF SCIENCE

Key information



- Year 11 Set 1 and 2 are Triple Science sets
- Everyone else will finish new content before half term and then follow a structured revision programme
- The exam board is AQA
- There are two tiers of entry – **Higher and Foundation**
- Tier of entry will be finalised after the second mock (February)
- Every student will sit 6 papers in total. The combined science papers are 75 mins long and the triple science papers are 105 mins long.

Science examinations consist of the following question styles

- Multiple choice
- Structured
- Closed short answer
- Open response (6 marks)



Examination information - Trilogy Science



	Biology paper 1	Biology paper 2	Chemistry paper 1	Chemistry paper 2	Physics paper 1	Physics paper 2
Topics tested	<ul style="list-style-type: none"> • Cell biology • Organisation • Infection & response • Bioenergetics 	<ul style="list-style-type: none"> • Homeostasis & response • Inheritance • Variation & evolution • Ecology 	<ul style="list-style-type: none"> • Atomic structure & the periodic table • Bonding • Structure & properties of matter • Quantitative chemistry • Chemical changes • Energy changes 	<ul style="list-style-type: none"> • The rate and extent to chemical change • Organic chemistry • Chemical analysis • Chemistry and the atmosphere • Using resources 	<ul style="list-style-type: none"> • Energy • Electricity • Particle model of matter • Atomic structure 	<ul style="list-style-type: none"> • Forces • Waves • Magnetism & electromagnetism • Space physics
No. of marks	70	70	70	70	70	70
% of GCSE	16.7	16.7	16.7	16.7	16.7	16.7
ALL EXAMS ARE 1 HOUR & 15 MINUTES LONG						

- All three sciences count equally. Two overall grades awarded.
- No grades awarded for individual sciences.



Examination information - Triple Science

	Biology paper 1	Biology paper 2	Chemistry paper 1	Chemistry paper 2	Physics paper 1	Physics paper 2
Topics tested	<ul style="list-style-type: none"> • Cell biology • Organisation • Infection & response • Bioenergetics 	<ul style="list-style-type: none"> • Homeostasis & response • Inheritance • Variation & evolution • Ecology 	<ul style="list-style-type: none"> • Atomic structure & the periodic table • Bonding • Structure & properties of matter • Quantitative chemistry • Chemical changes • Energy changes 	<ul style="list-style-type: none"> • The rate and extent to chemical change • Organic chemistry • Chemical analysis • Chemistry and the atmosphere • Using resources 	<ul style="list-style-type: none"> • Energy • Electricity • Particle model of matter • Atomic structure 	<ul style="list-style-type: none"> • Forces • Waves • Magnetism & electromagnetism • Space physics
No. of marks	100	100	100	100	100	100
% of GCSE	50	50	50	50	50	50
ALL EXAMS ARE 1 HOUR & 45 MINUTES LONG						

- Each science is separate from the others
- Three individual grades awarded.

To Succeed in Science



Students need to:

- Ask lots of questions and be prepared to mistakes
- Start revision early – there is a lot of content to revise and little and often is the best way
- Learn the steps involved in the required practicals and be able to apply practical skills to new situations
- In Physics learn the equations
- In Biology learn the keywords and definitions
- In Chemistry review content on a regular basis
- Ensure they complete all homework (Seneca Learning and exam questions)
- Use their transferable mathematical skills and be able to apply them to Science questions
- Complete past papers in timed conditions and assess using the mark schemes
- Attend after school / lunchtime revision sessions



Revision suggestions



Look on Teams in the **KS4 Revision Resources Team** – lots of resources here

Flash cards

Mind maps

Revision guides CGP

Exam questions

Cognito

BBC Bitesize

Seneca

Family/Friends

Past papers (AQA website)

Knowledge organisers

You Tube – Free Science Lessons and various other good revision videos

CLASS EXERCISE BOOKS!

