

Y11 Triple Science

Course overview:

- Students will sit exams to gain 3 GCSEs in Biology, Chemistry and Physics at the end of Y11.
- The full specifications for these exams can be found here:
<http://www.aqa.org.uk/subjects/science/gcse/biology-8461>
<http://www.aqa.org.uk/subjects/science/gcse/chemistry-8462>
<http://www.aqa.org.uk/subjects/science/gcse/physics-8463>

GCSE Triple Science
3 GCSEs (Biology, Chemistry, Physics)
AQA Biology (8461) AQA Chemistry (8462) AQA Physics (8463)

Assessments:

- Students will sit **six papers**: two biology, two chemistry and two physics. Each of the papers will assess knowledge and understanding from different topic areas.
- Each exam is **1 hour 45 minutes** in length.

Exam paper	Topics	Question styles
Biology Paper 1	Biology topics 1 - 4: Cell Biology; Organisation; Infection and response; and Bioenergetics.	All papers will include: Multiple choice, structured, closed short answer, and open response.
Biology Paper 2	Biology topics 5 - 7: Homeostasis and response; Inheritance, variation and evolution; and Ecology	
Chemistry Paper 1	Chemistry topics 1 - 5: Atomic structure and the periodic table; Bonding, structure, and the properties of matter; Quantitative chemistry; Chemical changes; and Energy changes.	
Chemistry Paper 2	Chemistry topics 6 - 10: The rate and extent of chemical change; Organic chemistry; Chemical analysis; Chemistry of the atmosphere; and Using resources.	
Physics Paper 1	Physics topics 1 - 4: Energy; Electricity; Particle model of matter; and Atomic structure.	
Physics Paper 2	Physics topics 5 - 7: Forces; Waves; and Magnetism and electromagnetism	

Y11 Mock Exams:

- Mocks start week beginning 7th December
- Students will complete **3 science mock papers**, 1 for each subject.
- Each paper will assess content from **Paper 1** and will be 1 hour 45 minutes in length.

Revision Guides:

We recommended that all students purchase AQA revision guides from CGP. They will need one for each science subject. If your child does not have these, these are the ones we recommend:

- New Grade 9-1 GCSE Biology: AQA Revision Guide with Online Edition (ISBN: 978 1 78294 556 7)
<https://www.cgpbooks.co.uk/secondary-books/gcse/science/biology/bar45-grade-9-1-gcse-biology-aqa-revision-guide>
- New Grade 9-1 GCSE Chemistry: AQA Revision Guide with Online Edition (ISBN: 978 1 78294 557 4)
<https://www.cgpbooks.co.uk/secondary-books/gcse/science/chemistry/car45-grade-9-1-gcse-chemistry-aqa-revision-guide>
- New Grade 9-1 GCSE Physics: AQA Revision Guide with Online Edition (ISBN: 978 1 78294 558 1)
<https://www.cgpbooks.co.uk/secondary-books/gcse/science/physics/par47-grade-9-1-gcse-physics-aqa-revision-guide>

Revision material to support students preparing for examinations.

- **Past paper revision:** Students are being set chunked revision of Paper 1 content on Google Classroom to complete as part of their mock revision. This will start with 2 exam questions per science over the October half-term, then 1 exam question per science each week.
- **Science Six:** Student are set of 6 questions every Monday week 1. These help to consolidate knowledge learnt in Year 9 and 10.
- **Century Tech:** This is a personalised learning platform that all students have individual logins for. Teachers can assign work on this but students can also use as revision because it assigns them nuggets of work based on how they have done in diagnostic tests.
- **BBC Bitesize:** Revision website for each science:
Biology - <https://www.bbc.co.uk/bitesize/examspecs/zpqcbk7>
Chemistry - <https://www.bbc.co.uk/bitesize/examspecs/z8xtmnb>
Physics - <https://www.bbc.co.uk/bitesize/subjects/zpm6fg8>

To further prepare students for the summer examinations we will:

- Conduct Paper 2 mock examinations in March 2021
- Issue Science Revision packs

Many thanks for your continued support.

Science Department
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