



GCSE COMBINED SCIENCE TRILOGY (AQA EXAM BOARD)

SPECIFICATION 8464

CALENDAR OF KEY EVENTS

The primary objective of the specification is to interest and engage candidates in science. This is achieved by:

- identifying activities and experiences which will excite their interest and linking these scientific ideas and their implications for society.
- providing opportunities to develop science explanations and theories.
- providing a scheme of assessment which gives regular feedback

All students will cover the following topics across Year 10 and Year 11.

Biology:

1. Cell Biology
2. Organisation
3. Infection and Response
4. Bioenergetics
5. Homeostasis and Response
6. Inheritance, variation and evolution
7. Ecology

Chemistry:

8. Atomic structure and the periodic table
9. Bonding, structure and the properties of matter
10. Quantitative chemistry
11. Chemical changes
12. Energy changes
13. The rate and extent of chemical change
14. Organic chemistry
15. Chemical analysis
16. Chemistry of the atmosphere
17. Using resources

Physics:

18. Forces
19. Energy
20. Waves
21. Electricity
22. Magnetism and electromagnetism
23. Particle model of matter
24. Atomic structure

Mock exam of Year 10 topics June/July 2019

GCSE exams June 2020

Required Practical work in lessons throughout Year 10 and Year 11

EXAMINATION ASSESSMENT

Overview:

All written papers are set in one two tiers, Foundation Tier and Higher Tier.

Foundation Tier papers assess grades 1-5 and Higher Tier papers assess grades 5-9.

Candidates are not allowed a mixed tier entry, so all exams must be sat on the same level of entry.

This qualification is linear which means that students will sit all exams at the end of year 11.

There are six papers; two Biology exams, two Chemistry exams and two Physics exams.

This is the general breakdown of each paper:

Paper 1: Biology 1, topics 1-4 (70 marks, 16.7% of the GCSE – 1hr 15minutes)

Paper 2: Biology 2, topics 5-7 (70 marks, 16.7% of the GCSE – 1hr 15minutes)

Paper 3: Chemistry 1, topics 8-12 (70 marks, 16.7% of the GCSE – 1hr 15minutes)

Paper 4: Chemistry 2, topics 13-17 (70 marks, 16.7% of the GCSE – 1hr 15minutes)

Paper 5: Physics 1, topics 19, 21, 23 and 24 (70 marks, 16.7% of the GCSE – 1hr 15minutes)

Paper 6: Physics 2, topics 18, 20, and 22 (70 marks, 16.7% of the GCSE – 1hr 15minutes)



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Controlled Assessment:

There is no controlled Assessment for the Trilogy Combined Science GCSE

It has been replaced by required practicals to be completed within lessons that are then tested within the exam papers at the end of year 11.

Combined Science Revision

Students will be tested regularly through the course.

Internal assessments and mock exams will be completed at the end of each unit.

Some revision will be completed in class but students should also revise thoroughly for every topic assessment in their own time as part of an established study routine at home.

In the run up to each exam session, after school drop in revision sessions will be run once a week. Students can volunteer to attend.

Combined Science Revision

1. Start revision early and attend revision sessions when available.
2. Break down information into small workable chunks.
3. Construct a realistic revision timetable.
4. Leave yourself time to relax and enjoy sports and hobbies.
5. Don't revise for too long.
6. Use a variety of revision methods until you find the one that works best for you.
7. Re-visit your class notes and use the revision guide as much as possible.
8. Relax and get plenty of sleep during revision and exam times.

How parents can help at home

1. Ensure that your son/daughter completes homework on a weekly basis.
2. Ensure that your son/daughter revises thoroughly for all topic tests and exams.
3. Encourage your son/daughter to use websites and the revision guide/workbooks to review topics and to revise for exams.



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