

GCSE TRIPLE SCIENCE

**Examination Board: AQA GCSE BIOLOGY (8461),
GCSE CHEMISTRY (8462), GCSE PHYSICS (8463)**

WHAT WILL I STUDY?

Students choosing the triple science option at BOA will study the AQA Science GCSEs in Biology Chemistry and Physics. They will have an additional 2 ½ hours of science lessons a week in addition to the standard 5 hours that all students study. As with the combined science course the course content is studied over two years, but all external exams are sat at the end of year 11. There is no internal assessment or coursework, but students are expected to compete a series of required practical experiments, the understanding of which is assessed in the final exams. Due to the increased amount of content and the higher maths demands of triple Chemistry and Physics this course is only recommended to students who are confident in their maths ability. In cases where initial assessments at BOA suggest that a students is not best suited to a course we may ask that student to reconsider their option

HOW IS THE COURSE STRUCTURED AND ASSESSED?

Biology

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

Chemistry

1. Atomic structure and the periodic table
2. Bonding, structure, and the properties of matter
3. Quantitative chemistry
4. Chemical changes
5. Energy changes
6. The rate and extent of chemical change
7. Organic chemistry
8. Chemical analysis
9. Chemistry of the atmosphere
10. Using resources

Physics

1. Energy
2. Electricity
3. Particle model of matter
4. Atomic structure
5. Forces
6. Waves
7. Magnetism and electromagnetism

Each science (Biology, Chemistry and Physics) is examined in two, 105-minute exams, at the end of the course, giving six total external exams. The possible topics in each exam are known in advance (for example Physics paper 2 always includes Forces, Waves, Electromagnetism and Space). These exams include assessment of the key scientific knowledge, the analysis of data and the understanding of experimental methods.

HOW WILL I STUDY?

Triple Science Students will study science for 7 ½ hours each week. These lessons will include practical experimental work in our well-equipped labs wherever possible as well as lessons on the theory and history of scientific ideas and concepts.



YEAR 10

GCSE SUBJECTS
Triple Science

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Digital Arts | Performing Arts | Creative Arts



CREATIVE, DIGITAL & PERFORMING ARTS
ACADEMY