

GCSE Combined Science (Double Science GCSE)



Exam Board:

AQA Combined Science (Trilogy Specification)

Course Outline:

The Combined Science GCSE Course is equivalent to two GCSEs. The course includes a wide range of science topics in Biology, Chemistry and Physics. The Combined Science course assesses you over three assessment objectives (AOs):

AO1: Demonstrate knowledge and understanding of scientific ideas; scientific techniques and procedures.

AO2: Apply knowledge and understanding of scientific ideas; scientific enquiry, techniques and procedures.

AO3: Analyse information and ideas to interpret and evaluate; make judgments and draw conclusions; develop and improve experimental procedures.

You will study:

In the Combined Science Trilogy GCSE you will study the following topic areas:

Course Content

	Biology	Chemistry	Physics
Year 9/10	Cell biology Organisation Infection and response, Bioenergetics	Atomic structure and the periodic table Bonding, structure and the properties of matter Quantitative chemistry Chemical changes	Forces Energy Waves
Year 11	Homeostasis and response Inheritance Variation and evolution Ecology	Energy changes The rate and extent of chemical change Organic chemistry Chemical analysis Chemistry of the atmosphere Using resources	Magnetism and electromagnetism Particle model of matter Atomic structure

This course comprises two GCSEs, both taken at the end of Year 11. **The majority of Key Stage 4 students will be entered for this option.**

Website: <http://www.aqa.org.uk/subjects/science/gcse/combined-science-trilogy-8464>

Method of assessment: All exams are taken at the end of Year 11. There is an option for students to enter for the Higher (Grades 9-9 to 4-3) or foundation tier (Grades 5-5 to 1-1).

Biology	Chemistry	Physics
2 papers 1 hour 15 mins	2 papers 1 hour 15 mins	2 papers 1 hour 15 minutes

Each paper is worth 16.7% of the overall double award GCSE grade and will include multiple choice, structured, closed short answer, and open response questions.

Post 16 Progression: A-level Biology, Chemistry and Physics

This option, or Triple Science (see below) is *essential* for any students who wish to have a career involving any aspect of science.

Careers, for example: Engineering, Medicine, Dentistry, Pharmacy, Nursing, Veterinary (Vets) Sciences, Computer Science, Forensic Science, Architecture all require a good science foundation; there are endless opportunities.

- A good understanding of science is seen favourably by all employers and Higher Education providers.
- 2 high Combined Science GCSE grades (6-6 or better) will provide access to Biology, Chemistry and Physics A Levels.
- 2 Combined Science GCSE grades (5-4 or better) will provide access to the Level 3 BTEC course in Applied Science. T. F and many more.

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