

COMBINED SCIENCE (2 GCSEs)

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Most pupils will study **Combined Science**. It leads to the award of two GCSE certificates, each made up of Biology, Chemistry and Physics. This qualification is linear. Linear means that students will sit all their exams at the end of the course. There is no coursework involved.

Syllabus: 8464 Trilogy
Exam Board: AQA
Exam Board Website: www.aqa.org.uk
Subjects: Trilogy (combined Science)

Double Award Science syllabus content:

- Biology: Cell biology, organisation, infection and response, bioenergetics, homeostasis and response, inheritance, variation and evolution, ecology.
- Chemistry: Atomic structure and the periodic table, bonding, structure, and the properties of matter, quantitative chemistry, chemical changes, energy changes, the rate and extent of chemical change, organic chemistry, chemical analysis, chemistry of the atmosphere and using resources.
- Physics: Forces, energy, waves, electricity, magnetism and electromagnetism, particle model of matter and atomic structure



Time Allocation:

6 x 50 minute lessons in year 10 and year 11

Future Education Opportunities:

AS/A level and degree courses in almost any discipline. College and vocational courses. Apprenticeships include public health practitioner.

Assessment:

In Year 10 and 11 pupils study biology, chemistry and physics. At the end of year 11 pupils will be assessed via exams (there are no controlled assessments). There are six papers: two biology, two chemistry and two physics. Each of the papers will assess knowledge and understanding from distinct topic areas. There will be two Biology papers, two Chemistry papers and two Physics papers. Each paper is an hour and 15 minutes.

Each exam is comprised of multiple choice, structured, closed short answer and open response questions.

Future Career Opportunities:

- Quality Control
- Environmental Agency
- Water Quality Specialist
- Nutritionist
- Museum Curator
- Teacher
- Physiotherapist
- Dental Technician
- Nurse