

EXAMINATION BOARD & SPECIFICATION NUMBERS:

AQA

BIOLOGY: 8461
CHEMISTRY: 8462
PHYSICS: 8463
TRILOGY: 8464

GCSE BIOLOGY, CHEMISTRY & PHYSICS (SEPARATE SCIENCES) GCSE COMBINED SCIENCE (TRILOGY)



COURSE CONTENT

All students will be taught material on the topics below. The amount and depth of the material covered will be greater for separate science as this qualification is worth 3 GCSEs compared to the 2 GCSEs for combined science.

Biology

Cell biology, Organisation, Infection and response, Bioenergetics, Homeostasis and response, Inheritance, variation and evolution, Ecology

Chemistry

Atomic structure and the Periodic table, Structure, bonding and properties of materials, Quantitative chemistry, Chemical changes, Energy, Rate and extent of chemical change, Organic chemistry, Atmosphere, Analysis, Using resources

Physics

Energy, Electricity, Particle model of matter, Atomic structure, Forces, Waves, Magnetism and electromagnetism, Space physics (Separate science only)

ASSESSMENT

GCSE Biology, Chemistry and Physics each have two papers of 1 hour 45 minutes (a total of six exams in summer). Each exam is worth 50% for that subject. Students will be awarded a grade from 1 to 9, with 9 being the highest grade available.

GCSE Combined Science has two papers per subject of 1 hour 15 minutes (a total of six exams in summer). Each paper is worth 16.7% of the final GCSE. Students will be awarded a grade from 1-1 to 5-5, with 5-5 being the highest grade available on the foundation tier Combined science course we offer.

There is no coursework in science but you will be examined on 'required practical work' in the final exams.

There are two tiers of entry for the examinations:

Separate sciences: Foundation (grades 1 to 5) Higher (grades 4 to 9)

Combined Science: Foundation (grades 1-1 to 5-5)

Students will be in the same set for each of the three sciences. Decisions on the level of entry for students will be finalised before each examination, based on pupil performance and teacher recommendation.

PROGRESSION & FUTURE CAREERS

There are various routes for students to follow on completion of the GCSE courses. Students may choose to start apprenticeships, attend college or stay on in the Sixth Form at Keswick. For those who do well in these subjects at GCSE and stay on into Year 12 at Keswick School, A-Levels in Biology, Chemistry and Physics are possible options to study.

WEBSITE

Examination Board: <https://www.aqa.org.uk/>