

Subject: GCSE Combined Science: Trilogy

Exam Board: AQA Science 8464

Exam: 100%

Course Summary: Combined Science consists of six externally examined papers. These are available at foundation tier and higher tier. Students must complete all assessments in the same tier in Y11.

Qualification Content:

Subject	Paper 1 Content (1hr 15mins)	Paper 2 Content (1hr 15mins)
BIOLOGY	Cells Systems Plants Diseases	Homeostasis Inheritance Variation Ecology Human impact Food production
CHEMISTRY	Fundamental chemistry The Periodic Table Metals Energy changes Acids, bases and salts Electrolysis Chemical calculations	Hydrocarbons Rates of reactions Equilibria The Earth's resources Chemistry of the atmosphere Chemical analysis
PHYSICS	Particle theory and thermal energy Nuclear Physics Electricity	Forces and motion Forces and energy Waves Electromagnetism

Course Aims & Objectives:

The GCSE in Combined Science: Trilogy enables students to:

- Develop scientific knowledge and conceptual understanding through the specific disciplines of Biology, Chemistry and Physics.
- Develop understanding of the nature, processes and methods of Science, through different types of enquiry that help them to answer scientific questions about the world around them.
- Develop and learn to apply observational, practical, modelling, enquiry and problem solving skills in the laboratory, in the field and in other learning environments.
- Develop their ability to evaluate claims based on Science through critical analysis of the methodology, evidence and conclusions, both qualitatively and quantitatively.

Possible Careers + Future Study: From Electrician to Astrophysicist via A Levels and onto University.