



GCSE Double Science (2 GCSEs)

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Why study GCSE Double Science?

GCSE Double Science gives students an overview of a range of scientific topics which are relevant to everyday life. Students will learn the fundamentals of Human Biology and how their body works, as well as an understanding of physics topics, such as how a circuit works. GCSE Science allows students to develop analytical and evaluative skills, as well as supporting the development of numeracy and literacy skills. Lessons are taught with stimulating practical, theory and activity-based activities.

What does the course involve?

The new combined sciences GCSE provides students with a broad and balanced coverage of science (Biology, Chemistry and Physics), in terms of subject knowledge and understanding of scientific principles. It provides students with the skills required in an increasingly scientific world and an understanding of the ethical role of science in society.

The units taught in combined science are the same as those taught through the separate science option but are **reduced** in content.

How will I be assessed?

This GCSE is studied in Years 10 and 11 and examined at the end of Year 11. Assessment will consist of six equally weighted papers (each one 16.7% of overall grade), with two papers assessing each discipline (Biology, Chemistry and Physics). The papers will be a mix of multiple choice, structured closed questions as well as open ended responses. Each paper will last 1 hour 15 minutes.

Biology

Paper 1

Cell biology
Organisation
Infection and response
Bioenergetics

Paper 2

Homeostasis and response
Inheritance, variation and evolution
Ecology

Chemistry

Paper 1

Atomic structure and the periodic table
Bonding, structure, and the properties of matter
Quantitative chemistry
Chemical changes

Paper 2

Energy changes
Paper 2
The rate and extent of chemical change
Organic chemistry
Chemical analysis

Physics

Paper 1

Energy
Electricity
Particle model of matter
Atomic structure

Paper 2

Forces
Waves
Magnetism and
electromagnetism

Students will be required to study a series of practicals that they will be assessed upon as part of their final examinations in addition to the subject content above.

What are my progression routes?

In the sixth form, students who achieve a GCSE grade 6 or above will be able to study A-level Sciences; students who achieve a GCSE grade 5 or above will be able to study CTEC Applied Science.

Additional Information

Double Science is suitable for all candidates; the course is broken down into manageable sections so that all students can access the learning.