



GCSE Separate Science

Key contacts: Mr A Makeham
Exam Board: AQA

Overview of the course:

This course is for those who have a keen interest in Science, as it explores the modules in more depth and in fourteen hours per fortnight, rather than the nine for Combined Science.

Separate Science must be chosen as an option.

In order to support students in making this decision, their Science teacher is available to advise suitability, based on current levels of attainment, Home Learning completion and effort grades in Science.

Students will learn Biology, Chemistry and Physics from specialist teachers, in a total of fourteen hours per fortnight. At the end of the course they will be examined in each subject, and awarded a GCSE Grade for each. The course examinations can be taken at Foundation Level (Grades 1 - 5) or Higher Level (Grades 4 - 9).

What will you study?

The subject content for the GCSE in Biology includes cell biology, organisation, infection and response, bioenergetics, homeostasis and response, inheritance, variation and evolution and ecology.

The Chemistry GCSE includes 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.

The Physics GCSE includes energy, electricity, particle model of matter, atomic structure, forces, waves, magnetism and electromagnetism and space physics.

Throughout the course, there will be regular required practicals, through which you will gain valuable scientific skills.

Assessment

At the end of the course, you will sit two examinations per subject (two for Biology, two for Chemistry and two for Physics), each 105 minutes long. The answers required will include short answers to recall scientific facts and longer answers about the application of knowledge and mathematical and scientific skills.

Possible career path:

This course will be useful for many career paths and you will be able to study A Level Biology, Chemistry, Physics or Environmental Science.