

Science

Examination Board: AQA

STAFF CONTACT:

Mr L Cockerill and Miss L Daykin

Graded: From 9 - 1

This is a double award course which is equivalent to 2 GCSEs, you will be taught Biology, Chemistry and Physics topics within this course, however your final qualification will be called 'combined science'.

There are 21 required practicals that you must complete as part of your course and many of these practicals will be assessed during your final GCSE examinations. There are many other experiments and demonstrations which you will take part in during Y10 and Y11. There is no longer a coursework (ISA) element to the GCSE Science course.

Biology: Cell biology, organisms, infection and response, bioenergetics, homeostasis and response, inheritance, variation and evolution and 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: Energy, electricity, particles model of matter, atomic structure, forces, waves, magnetism and electromagnetism.

Assessment: There are six papers: two biology, two chemistry and two physics. Each of the papers will assess knowledge and understanding from distinct topic areas. Each paper is 75 minutes long and you will sit all papers at the end of Y11. Each paper includes a range of Multiple choice, structured, closed short answer, and open response questions.

Maths Skills: Mathematical skills are crucial to science and students will be expected to apply many different mathematical skills within their science lessons. In the GCSE science exams questions will target maths skills at a level of demand appropriate to each subject. In Foundation Tier papers questions assessing maths requirements will not be lower than that expected at Key Stage 3. In Higher Tier papers questions assessing maths requirements will not be lower than that of questions and tasks in assessments for the Foundation Tier in a GCSE Qualification in Mathematics.

Entry Level Science Qualification: In each year group a small number of students (including those who are new to English) may be entered for the AQA Entry Level certificate instead of the combined science GCSE. Your teacher will advise you if you have been selected for this qualification.

