



SCIENCES: BIOLOGY, CHEMISTRY, PHYSICS

Examination Board: AQA

Syllabus: GCSE Sciences

Leading to:
GCSE Biology, GCSE Chemistry, GCSE Physics
or:
GCSE Combined Science: Trilogy

Course: Biology, Chemistry and Physics will be taught discreetly, and by subject specialists. Every pupil will study all three disciplines throughout the duration of the course.

The most academically able pupils in the year group will achieve three GCSEs: GCSE Biology, GCSE Chemistry and GCSE Physics, as this route involves approximately 33% more course content to complete in the time available. The remainder of the year group will achieve GCSE Combined Science, which is worth two GCSEs.

All the qualifications are linear which means that pupils will sit all their examinations at the end of the course.

Subject Content:

Biology:
Cell biology; organisation; infection and response; bioenergetics; homeostasis and response; inheritance, variation and evolution; 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; using resources

Physics:
Forces; energy; waves; electricity; magnetism and electromagnetism; particle model of matter; atomic structure; space physics (only studied by pupils taking GCSE Physics)