

Separate Science

Separate Science courses identify the activities and experiences students will come across in everyday life, and links these to scientific ideas and their implications for society. It provides the opportunity to acquire the scientific skills, knowledge and understanding necessary for life as a citizen.

This course will involve studying three subjects for three years before being examined and it will not be offered as an option choice to ALL students.

It is worth three GCSE's.



Qualification: GCSE

Examination Board: AQA

Specification Code: 8461/
8462/8463

Topics Covered

Separate sciences cover the same modules as the combined science trilogy course but just in a little more depth, (with one extra topic, space physics).

These include some of the following topics:

- Energy, electricity, waves, forces, atomic structure
- Chemical changes, organic chemistry, chemical analysis, energy changes
- Cell biology, infection & response, organisation, ecology

Assessment

- Paper 1: 1 hour 45 minutes (100 marks)
- Paper 2: 1 hour 45 minutes (100 marks)

This is the structure for biology, chemistry and physics. There is no coursework element to this course.

Course Progression

This course allows you to progress onto A levels in biology, chemistry, physics and psychology.

To follow one or more of these courses you must achieve a grade 5 in the subject of your choice at GCSE or grade 5 in the combined science trilogy course. For students who do not achieve a grade 5, progression would be to one of the level 3 BTEC courses here at Swanshurst Sixth Form.

Career Opportunities

There are a host of careers in science including; teaching, toxicology, pharmacology, biotechnology, nanotechnology, neuroscience, environmental health, medicine, nursing, engineering, clinical trials, research & development, forensic science.