ENTRY REQUIREMENTS

Minimum Qualifications

Minimum of 5 GCSEs at Grade 9-4 (or equivalent), including grade 6-6 in Combined Science or grade 6 in Biology and grade 6 in Mathematics.

Experience shows that your chances of success are greater in this subject if you have at least Grade 5 in English.

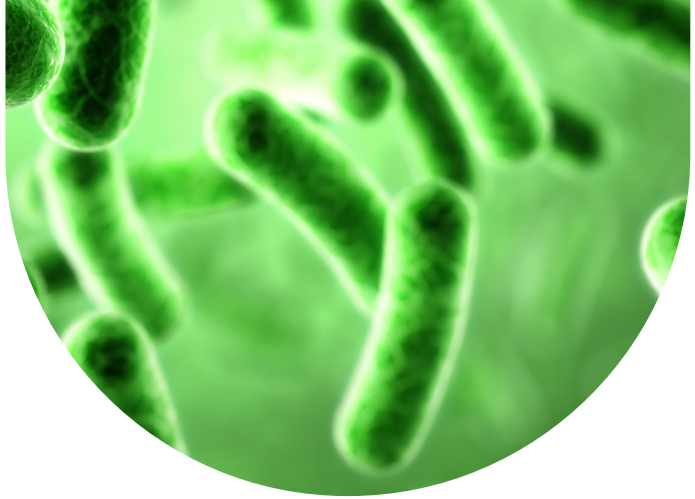
Some additional information

Students need to be motivated and keen to learn. A Level Biology is hard work but extremely rewarding.

References from previous Science tutors may be requested to support an application to study Biology.

Contact Mr P Butler (Head of Biology) should you require any further information at:

p.butler@collingwood.surrey.sch.uk



HOW IS THE QUALIFICATION ASSESSED?

A Level Biology: 3 Written papers

A Level paper 1 - Biological processes (135 mins)
37% weighting
Structured and multiple choice questions
Assessment modules 1,2,3 and 5

A Level paper 2 - Biological diversity (135 mins)
37% weighting
Structured and multiple choice questions
Assessment modules 1,2,4 and 6

A Level paper 1 - Unified Biology (90 mins)
26% weighting
Structured questions only
Assessment modules 1,2,3,4, 5 and 6

Practical Endorsement

The A Level also has a Pass/Fail practical endorsement which is assessed over a minimum of 12 practical activities in class. The result is reported separately to the A Level grade.

Collingwood College
BELIEVE SUCCEED

A Level Biology

OCR Biology A Level

Qualification Information

OCR A LEVEL BIOLOGY

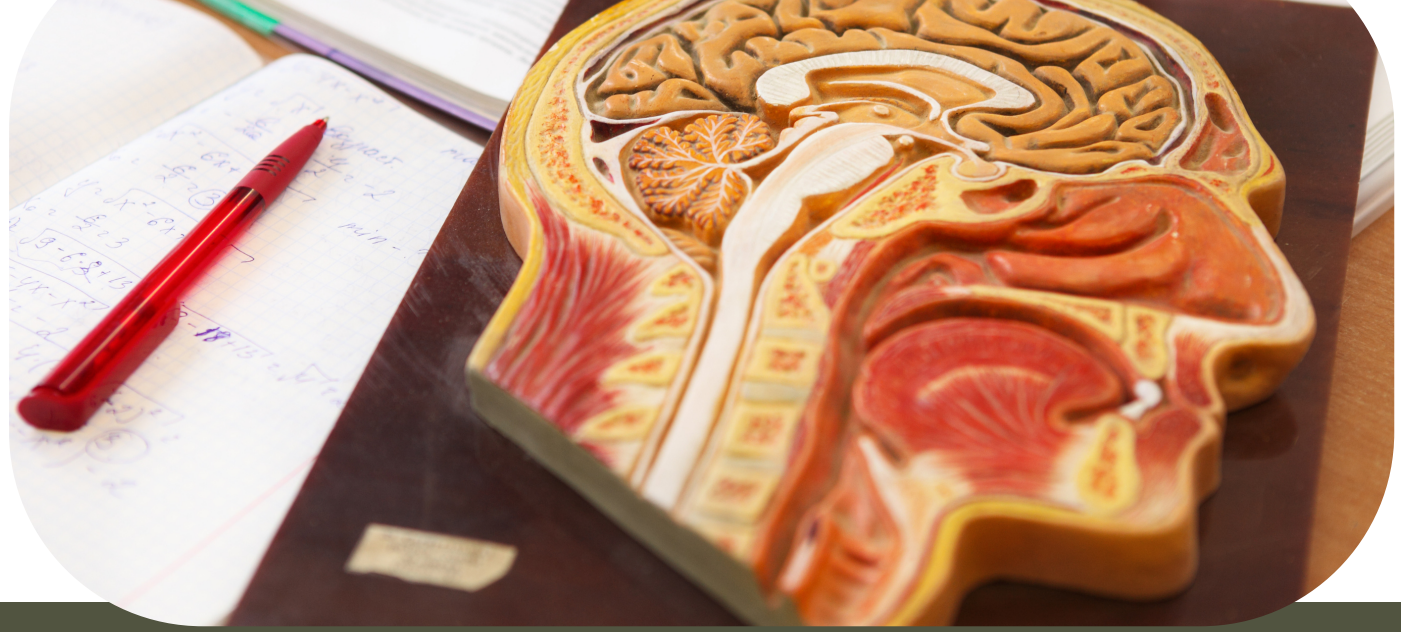
The specification is divided into 6 modules each covering different key concepts in Biology. Applications of Biology are covered throughout the specification. The broad contents of each module is overleaf.

There is less emphasis on recall and more on understanding and application.

Students take written examinations as detailed overleaf at the end of the A Level course.

We offer a number of trips over the 2 year course to enhance learning.
We have been listed as a Centre of Excellence for A-Level Biology teaching.

A recognised qualification for university degree courses including biochemistry, pharmacology, ecology, biological sciences, medicine, dentistry and veterinary sciences to name only a few.



Module 1: Development of practical skills

Skills for scientific investigations
Planning
Implementation
Analysis
Evaluation

Module 2: Foundations in Biology

Cell structure, diversity and organisation
Biological membranes
Cell division
Biological molecules (nucleic acids, proteins, enzymes, lipid, carbohydrates)

Module 3: Exchange & transport

Exchange surfaces
Transport in animals
Transport in plants

Module 4: Biodiversity, evolution & disease

Communicable diseases
Disease prevention
The immune system
Biodiversity
Classification and evolution

Module 5: Communications, homeostasis & energy

Communication and homeostasis
Excretion as an example of homeostatic control
Neuronal and hormonal communication
Plant and animal responses
Photosynthesis
Respiration

Module 6: Genetics, evolution & ecosystems

Cellular control
Patterns of inheritance
Manipulating genomes, cloning and biotechnology
Ecosystems
Populations and sustainability