

BIOLOGY

HEAD OF FACULTY

Mr A Hoyle
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TYPE OF QUALIFICATION

A-level

EXAM BOARD

OCR

SPECIFICATION

<http://bit.ly/OCRbiology>

ENTRY REQUIREMENTS

Preferred: GCSE Biology grade 6
or combined science grade 66

Essential: GCSE Biology grade 6
or combined science grade 66



AIMS OF THE COURSE

The aims of this course are to:

- encourage candidates to develop their interest in an enthusiasm for Biology, including developing an interest in further study and careers in Biology
- appreciate how society makes decisions on scientific matters, and will understand how Biology contributes to the economy and wider society
- develop skills and knowledge relating to “How Biology works” and how different areas of Biology relate to each other
- develop potential to go on and study Biology at university level.

COURSE OUTLINE & ASSESSMENT

The A Level Biology course consists of:

Module 1: Development of practical skills in Biology

Module 2: Foundations in Biology

Module 3: Exchange and Transport

Module 4: Biodiversity, Evolution and Disease

Module 5: Communication, Homeostasis and Energy

Module 6: Genetics, Evolution and Ecosystems

Students will sit 3 exams at the end of Year 13. Practical skills are assessed separately with a “pass” or “fail” recorded on the certificate.

CAREER PROSPECTS

The A level Biology is accepted for a wide range of university courses. Biology students have gone on to study many different science related courses including Medicine, Biomedical Sciences, Neurobiology, Microbiology, Zoology, Veterinary Science, Radiography and Physiotherapy. Some students have followed a non-science path to study subjects such as Law, Management, Art, Business and many more.

Note; some university Biology courses expect students to have an A-level in Chemistry as well as Biology.

SUBJECT ENRICHMENT



Something to think about...

What does it mean to be alive? Should we take more action to protect the Biodiversity on our planet? How far should Biologists go in the manipulation of an organism’s genome?



Something to listen to...

Search online for:

[The Natural Selection](#) podcast

[Infinite Monkey Cage](#) podcast

[Horizon](#) documentaries available on the BBC iPlayer.



Something to read...

Oxford University Press (<http://bit.ly/transition-pack>), and Open University Press Science (<http://bit.ly/skills-pack>).

