

BIOLOGY

GCE A LEVEL

OCR GCE Advanced Level Biology.
6 Lessons per week teaching time.
Course leader: Mr Tim Ayres
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Course Features

Throughout the course, practical skills and techniques are developed. These skills are assessed by written examination and through a range of compulsory laboratory practicals.

Within the course there are opportunities to carry out fieldwork, group work, guided learning, seminars, new technologies and experimental tasks.

Course Structure

- Foundations in Biology:
Biological molecules, enzymes, cells, DNA, membranes and cell division.
- Exchange and Transport:
Animal transport, plant transport, exchange surfaces.
- Biodiversity, Evolution & Disease:
Diseases, biodiversity, classification & evolution.
- Communication, homeostasis & energy:
Respiration, photosynthesis, nervous system, hormones, plant responses, excretion.
- Genetics, Evolution & Ecosystems:
Cellular control, inheritance, manipulating genomes, cloning and biotechnology, ecosystems, populations and sustainability.

Assessment

2 Examinations 2 hours 15 mins
1 Examination 1 hour 30 mins
Practical endorsement by teacher

Progression & Careers

Biological sciences, genetics, environmental consultancy, veterinary science, medicine, biotechnology, environmental management, dentistry, horticulture, nutrition, food production, Law.

Recommended Texts

A Level Biology A for OCR Student Book
ISBN-10: 0198351925
ISBN-13: 978-0198351924

OCR AS/A Level Biology Student Book
1+Activebook 2015
ISBN-10: 144799079X
ISBN-13: 978-1447990796

Entry requirements:

Grade 6 or above in both GCSE Combined Sciences higher tier
Grade 6 or above in GCSE Biology AND Chemistry
plus
Grade 6 or above in GCSE Mathematics

