

BIOLOGY A LEVEL

Course Content
<p>Course title: A Level Biology</p> <p>Year 1</p> <p>Unit 1: Biological molecules</p> <p>Unit 2: Cells</p> <p>Unit 3: Organisms exchange substances with their environment</p> <p>Unit 4: Genetic information and relationships between organisms.</p> <p>Year 2</p> <p>In addition to the Unit 1 to 4 topics listed above.</p> <p>Unit 5: Energy transfers in and between organisms</p> <p>Unit 6: Organisms respond to changes in their internal and external environments</p> <p>Unit 7: Genetics, populations, evolution and ecosystems</p> <p>Unit 8: The control of gene expression.</p>
Teaching and Learning
<p>During this course students will develop essential knowledge and understanding of the concepts of biology and the skills needed for the use of these in new and changing situations. Teaching will be classroom and practically based.</p> <p>During the course students may be asked to attend one day conferences/visits on aspects of the units, and there will be field study skill sessions at the end of the Year 12 and/or the beginning of Year 13. A contribution towards the costs of travel may be requested.</p>
Assessment
<p>A Level examinations will be taken in the May/June at the end of the course. There is no coursework.</p> <p>There are three A Level written examinations: 2 hour</p> <p>Practical ability will be teacher assessed throughout (PASS/ FAIL) and externally examined through the Examination Boards written papers in the summer. Students should keep a lab book or practical folder with their evidence.</p> <p>There are a minimum of 12 practicals that must be completed during the A Level course. 15% of the marks in the written papers are based on what students learn in their practicals.</p>
Progression
<p>A Level Biology could lead to Higher Education and Career opportunities in the following fields: Biology, Psychology, Medicine, Sport and Exercise Science, Anatomy, Physiology and Pathology Pharmacology, Toxicology and Pharmacy Chemistry, Dentist, Doctor, Clinical Molecular Geneticist, Nature Conservation Officer, Research Scientist, Higher Education Lecturer, Secondary School Teacher, Soil Scientist, Nursing, Speech Therapy, Physiotherapy, Radiography, Pharmacy, Pharmacology, Veterinary Science, Biochemistry, Genetic Counselling, The Environment, Public Health, Food Technology, Biotechnology, Water quality, Microbiology, Conservation, Agriculture, Horticulture, Behavioural Studies, Scientific Civil service, Laboratory Technician, and many other courses/careers.</p>
Entry Requirements
<p>Grade 6, minimum, in Core and Additional Science or Grade 6 in GCSE Biology, GCSE Maths Grade 5, GCSE English Language Grade 5.</p>
Examination Board
<p>AQA</p>
Further Details
<p>Miss R Edwards, Mr D Cain, Mrs H Moore</p>

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