

BIOLOGY

A LEVEL



ST HILDA'S
COLLEGE

Course Content
Course title: A Level Biology, AQA, 7402 Year 1 Unit 1: Biological molecules Unit 2: Cells Unit 3: Organisms exchange substances with their environment Unit 4: Genetic information and relationships between organisms. Year 2 Unit 5: Energy transfers in and between organisms Unit 6: Organisms respond to changes in their internal and external environments Unit 7: Genetics, populations, evolution and ecosystems Unit 8: The control of gene expression.
Teaching and Learning
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. 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 during Year 13. A contribution towards the costs of travel may be requested. This is one of the required practicals and attendance is mandatory.
Assessment
A Level examinations will be taken in the May/June at the end of the course. There is no coursework. There are three A Level written examinations: 2 hours each. There are a minimum of 12 required practicals that must be completed during the A Level course. Practical ability will be teacher assessed throughout (PASS/ FAIL) and externally examined through the written papers in the summer. 15% of the marks in the written papers are based on what students learn in their practicals. Students should keep a lab book or practical folder with their evidence. Attendance is mandatory for passing the practical endorsement.
Progression
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.
Entry Requirements
Grade 7-7 in Trilogly or Grade 7 in GCSE Biology, GCSE Maths Grade 6 or above, GCSE English Language Grade 6 or above.
Examination Board
AQA
Further Details
Miss R Edwards, Mr D Cain, Mr Houseman

The 6th Form
@ St Hilda's