



## BIOLOGY

### Course Information

Biology continues to attract high numbers to this large and successful department. We have a strong, experienced range of teachers and support staff with specialisms in Physiology, Biochemistry, Microbiology, Ecology and Zoology. This team has an enthusiasm for biology that is infectious and has inspired many successful biologists in previous years. We pride ourselves in our careful tracking of students to ensure we have a real understanding of their progress and the part that biology will play in their future education, interests and careers.

We deliver the Salters Nuffield Advanced Biology course which provides students with a stimulating and challenging course that links the underlying concepts with student experience and cutting edge biology. There are course textbooks as well as excellent online resources provided. Topics include:

1. Lifestyle, Health and Risk
2. Genes and Health
3. Voice of the Genome
4. Biodiversity and Natural Resources
5. On the Wild Side
6. Immunity, Infection and Forensics
7. Run for your Life (exercise physiology)
8. Grey Matter (neurobiology)

Students study the 8 topics over 2 years and are examined in 3 papers at the end of the second year.

All topics have a strong emphasis on practical investigation where students have the opportunity to develop their 'science process' skills from GCSE. These skills will feature in the exam papers and all students will need to pass a teacher- assessed 'practical competency' which is recorded alongside the A-level grade.

### Entry Requirements

GCSE Grade 6 or above in Biology or Combined Science.

GCSE Grade 6 or above in Mathematics from a Higher Tier of entry.

### Career Pathway

Biology 'A' level links to a wide range of University degree courses: Medicine, Dentistry, Veterinary Science, Biomedical Science, Food Science, Sport Studies, Physiotherapy, Forensic Science, Horticulture, Agriculture, Conservation, Ecology, Sustainability, Environmental Sciences, Marine biology, Zoology, Biochemistry, Pharmacy, Ophthalmics.

Biology 'A' level could also lead to vocational qualifications in Countryside Management, Farming, Fisheries, Horticulture, Equine Studies, Dental nursing and Animal nursing.

Should you like to receive any additional information on this course please contact Mrs Vanessa Taylor – Head of Biology