

BIOLOGY

WHY CHOOSE BIOLOGY?

Biology is the study of all living organisms, including humans, other animals, plants and microbes. It is an exciting, relevant and rapidly advancing science. New discoveries are made and new applications of biological techniques are developed almost daily. The A Level syllabus reflects these innovations and Biology is at the 'cutting edge' of science today.

Biology is one of the most popular A Level courses in the country, attracting students studying a wide range of other subjects. Many of these students enjoy the subject so much they eventually choose a biologically related degree course.

Many students have gone on to study a biological degree at university, including a number of students for Medicine and Veterinary Medicine.

COURSE DETAILS

The AQA A Level course includes the study of cells, biological molecules including DNA, immunology, energy and substances transferred in and between organisms, human physiology and homeostasis, populations, evolution and ecosystems, genetics and gene expression.



FURTHER INFORMATION

At the end of the Lower Sixth year, there is a residential field trip to the Blencathra Field Studies Centre in the Lake District, where students receive specialised tuition and experience necessary for the Ecology portion of the A Level syllabus.

During the Upper Sixth year, our top students have the opportunity of taking part in the Biology Olympiad, a prestigious national competition organised by the Royal Society of Biology.



HIGHER EDUCATION AND CAREERS OPTIONS

Biology is a great choice of subject if you want a career in health and clinical professions such as medicine, dentistry, veterinary medicine/science, physiotherapy, pharmacy, optometry, nursing and medical research. Careers in zoology, marine biology, forensic science, occupational therapy, sports science and environmental science also require biological knowledge and skills.

COURSE REQUIREMENTS

Grade 6 or above in GCSE Biology or Combined Science is essential.

Grade 6 or above in Chemistry and Mathematics is preferred.

RELATED SUBJECTS

Chemistry, Physics, Mathematics, Geography, Psychology, Physical Education, Food Technology.

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