

BIOLOGY IN THE SIXTH FORM

WHY STUDY BIOLOGY

Biology helps us to understand the complex ways in which living organisms work, how they interact with each other and with their surroundings. It also gives us an appreciation of the impact of humans on their environment, for good or ill, and how some human diseases are caused.

Apart from being a fascinating and rewarding subject, Biology combines well with Chemistry and/or Geography, and it is a popular cross-curricular subject for non-scientists.

WHY STUDY BIOLOGY AT WALTHAMSTOW HALL?

Walthamstow Hall has excellent facilities, a dedicated team of experienced teachers and a proven track record in helping students maximise their potential.

WHAT WILL BE STUDIED?

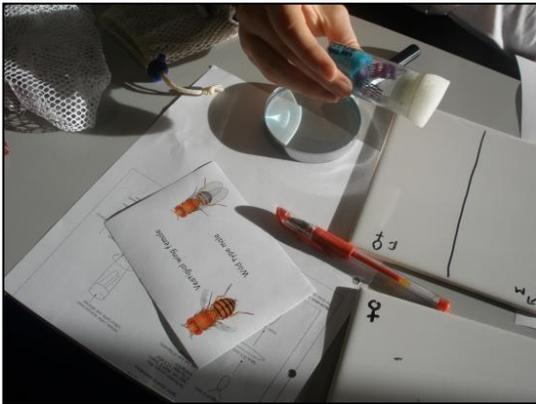
We follow the AQA syllabus which is interesting and varied. Students will revisit some topics they studied at I/GCSE – but in greater breadth and depth. Other areas will be entirely new. Topics studied in Year 12 will include: cells, enzymes, biological molecules, exchange and transport, DNA, chromosomes and biodiversity. In Year 13 students will study: ecosystems, homeostasis and the nervous system, photosynthesis and respiration, genetics, evolution and gene technology.



Year 12 at the *Biology in Action* Conference 2019, London

Practical work is carried out as an integral part of the course. Students develop practical skills in the laboratory, including; microscopy, electrophoresis, investigating factors affecting enzyme-controlled reactions and drawing from observation.

At the end of Year 12, we stay at a residential field centre, to extend our study of Ecology. This will give students the opportunity to gain experience 'in the field', including use of a range of sampling techniques and the chance to study a variety of ecosystems.

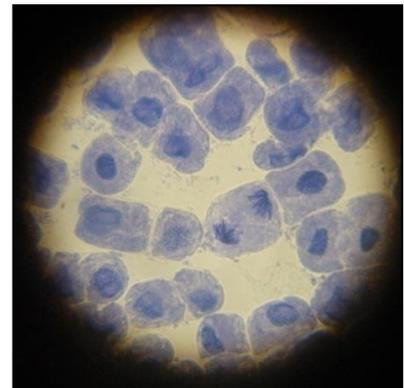


Students participating at *The Intermediate Biology Olympiad, 2019*

OPPORTUNITIES

Exam results will depend on what students are prepared to put into it, but an A* is the limit!

Previous Sixth Form Biology students have left Walthamstow Hall to study a wide range of subjects at university, and regularly include Medicine, Veterinary Medicine and Science, Biology, Biological Sciences, Natural Sciences and Biochemistry.



COURSE REQUIREMENTS

Ideally students should have achieved grade 8 or 9 in IGCSE/GCSE Biology or Double Award Science, Chemistry and Maths.

A LEVEL RESULTS 2019

GRADE	A*	A	B	A* - B
Biology	4	4	2	100%