

## A-LEVEL / AQA / 2 YEARS

# BIOLOGY

---

This course is designed for those students wishing to pursue traditional biological courses such as medicine, physiotherapy, veterinary science, pharmacy, biological science and biochemistry.

### THE COURSE AIMS TO

Develop and demonstrate a deeper appreciation of the skills, knowledge and understanding of science

Develop an interest in and enthusiasm for Biology, including developing an interest in further study and careers in Biology

Develop essential knowledge and understanding of different areas of Biology and how they relate to each other

Appreciate how society makes decisions about scientific issues and how science contributes to the success of the economy and society

You will learn interesting fundamental biological concepts which underpin life such as: heart and lung physiology; how biological molecules are formed and how they produce macromolecules; how the body functions in health and disease; how plants and animals interact in ecosystems; the biochemistry of key processes such as respiration and photosynthesis and how the body is coordinated using hormonal control and nerve impulses. As well as this, the course will explore more cutting-edge concepts used today such as genetic engineering and biotechnology.

Classroom-based learning, laboratory-based work and fieldwork are all undertaken. Teaching involves active methods, group work and independent working.

### ASSESSMENT

Knowledge is assessed at the end of the second year of study in three examinations. A practical endorsement is also undertaken to show proficiency of skill, however does not contribute to the final A-level grade. Regular internal assessments are undertaken as well as a more formal end-of-year examination.

### SUBJECT COMBINATIONS

Biology works very well alongside other science subjects such as Chemistry, Physics or Mathematics

Biology can also work very well as part of a wider programme involving, for instance, Psychology or Sport.

### CAREERS/HE INFORMATION

A-level Biology is an essential requirement for many university courses in medicine, dentistry, veterinary sciences and biochemistry, alongside Chemistry A-level.