BIOLOGY

SIXTH FORM

COURSE TITLE

A Level Biology

Exam Board: OCR

AIMS OF THE COURSE

To stimulate and sustain interest and enjoyment in Biology. To show the students how Biology can be and is used in industrial and business situations, such as the DNA polymerisation and use of antibodies in making drugs.

WHAT WILL YOU STUDY?

There is a good balance between the various aspects of Biology, with these areas further built upon within the second year. Students learn about human physiology, genetics, the application of genetics in medicine and biodiversity. The content in is depth so students can access the most demanding University courses.

The mathematical content of the course is Level 2 in challenge and builds up as the course progresses. In Year 13 there is depth of study for those who are interested in the human genetics of human physiology.

HOW WILL YOU BE ASSESSED?

Three exam papers at the end of Year 13 as follows:

Paper 1 - Biological processes

Paper 2 - Biological diversity

Paper 3 - Unified biology with Practical skills focus

You will also undertake a practical endorsement over the two years focused on practical apparatus and techniques linked to the course.

WHAT WIDER SKILLS WILL YOU DEVELOP?

There is a focus within the course on application and analysis of information, linking scientific concepts to unfamiliar scenarios. You will focus to a large extent on your practical skills, interpreting data and drawing conclusions from your results. Biology also involves the transferable skills of problem solving and critical analysis developed in the course making it readily applicable to all areas of psychology, sports science and biological sciences.

WHAT ARE THE FUTURE OPTIONS FROM THE COURSE?

Medicine, Psychology, Biological sciences, Biochemistry, Sports science, Genetics, Biomedical sciences, Veterinary, Life sciences, Forensics, Agriculture.