A LEVEL BIOLOGY

WHY STUDY A LEVEL BIOLOGY?

We are living creatures surrounded by a world of living creatures. The air we breathe, the food we eat and the length of our lives are all affected by living things. Biology is the study of life in its many forms.

This engaging course will give you practical experience of this diverse and exciting science. Biology is an ever developing subject, from producing new fuels to searching for life on other planets, nutrition to managing the environment, medicine to food production the need for skilled Biologists will always be there.

As humans, biology affects everything we do, so even if you do not want to continue in biology beyond AS, a good grounding in biology can help in a wide range of fields including Chemistry, Psychology, Biophysics, Archeology and Nutrition as well as giving an understanding of the environment we live in and how we can keep healthy.

COURSE DETAILS

The syllabus that you will study is from the EDEXCEL, specification B. You will study this over two years, studying four units in year one and six units in year two.

COURSE CONTENT

The topics of A-Level biology cover the key areas of modern Biological Sciences.

The Year 1 units are

- Biological Molecules
- Cells, Viruses and Reproduction of Living Things.
- Classification and Biodiversity
- Exchange and Transport

The Year 2 units are

- Biological Molecules
- Cells, Viruses and Reproduction of Living Things.
- Classification and Biodiversity
- Exchange and Transport
- Energy for Biological Processes.

- Microbiology and Pathogens
- Modern Genetics
- Origins of Genetic Variation
- Control Systems
- Ecosystems

Practical Skills Assessment in Biology:

There are a total of 16 assessed experiments in the Biology syllabus. During the course you will have to demonstrate competence in these lab sessions. You will be assessed on your knowledge of these experiments in the exams.

PROGRESSION

A-Level Biology is essential for studying the following at university: biology, medicine, veterinary science, dentistry, physiotherapy, psychology, biochemistry and pharmacy, agricultural science, plant and animal sciences, genetics, environmental science. Studying Biology will also give you skills which are applicable to other subjects and careers, such as problem-solving skills and the ability to collect and analyse data and trends.