

BIOLOGY

Level: AS and A2

Examination Board: OCR

Assessment:

Biology at the Crypt has become one of the most popular A- levels.

The aim of the course is to encourage students to develop their interest in and enthusiasm for Biology, including developing an interest in further study and careers in Biology.

It is hoped that students will appreciate how society makes decisions about scientific issues and how the sciences contribute to the success of the economy and society.

Students will follow the programme of study outlined in the six units below.

Course content:

AS Units:

F211 : Cells, Exchange and Transport. Cells – Exchange and Transport

F212 : Molecules, Biodiversity, Food and Health. Biological Molecules – Food and Health – Biodiversity and Evolution

F213 : Practical Skills in Biology 1. Controlled internal assessment of practical skills.

A2 Units:

F214 : Communications, Homeostasis and Energy. Communications and Homeostasis – Excretion – Photosynthesis – Respiration

F215 : Control, Genomes and Environment. Cellular Control – Biotechnology – Ecosystems and Sustainability – Responding to the Environment

F216 : Practical Skills in Biology 2. Controlled internal assessment of practical skills.

Requirements:

A minimum of BB double award science or a grade B at Biology GCSE, plus a good general understanding of Chemistry are preferable, particularly for the pupils wishing to take both AS and A2.

Career opportunities:

Biologists are found in a wide variety of scientific careers:

Medical, forensic, pharmaceutical.

Agriculture and food science.

Biotechnology and genetics research.

Environmental protection and conservation.