









Biology

Level: 3 Syllabus: WJEC

Duration of Course: 1/2 years Course Venue: The John Frost School

Course Outline

The AS and course consists of 2 theoretical units whereas the A2 course consists of 2 theoretical units and a practical assessment. The year 12 course will lead to an AS in Biology. The year 13 course will lead to an A level in Biology.

Entry Requirements

A grade B or higher in Double Award Science, or GCSE Biology, is preferable to ensure success at A Level Biology

What will I study?

AS:

Unit 1: 'Basic Biochemistry and Cell Organisation' including: biological compounds, enzymes and genetic information.

Unit 2: 'Biodiversity and Physiology of Body Systems' including: evolution, adaptations for gas exchange, transport and nutrition.

A2:

Unit 3: 'Energy, Homeostasis and the Environment' including: microbiology, ecosystems and the nervous system.

Unit 4: 'Variation, Inheritance and Options' including: reproduction, inheritance and genetics.

Unit 5: Practical Examination

AS Human Biology:

Unit 1: External Examination, 1 hour 30 minutes, 50% of AS grade (20% final A2 grade)

Unit 2: External Examination, 1 hour 30 minutes, 50% of AS grade (20% final A2 grade)

A2 Biology:

Unit 3: External Examination, 2 hours, 25% final A2 grade

Unit 4: External Examination, 2 hours, 25% final A2 grade

Unit 5: Practical Examination, 10% final A2 grade

Career Opportunities and Progression

This course provides a sound basis for progression to the further study of biology and for courses and employment in the related fields of medicine, health, environment, sports science, forensics, agriculture and biotechnology, for example. Due to its breadth and variety, Biology AS/A level provides an interesting and relevant course that links well with a number of other courses.