

Biology Field Trip

As part of the A2 Biology course, students are to take part in a compulsory field trip. This field trip allows students to study ecosystems and gives them the opportunity to collect data that they can then analyse to produce their A2 coursework.

The field trip will be a residential stay at Aberglaslyn Hall, in North Wales.

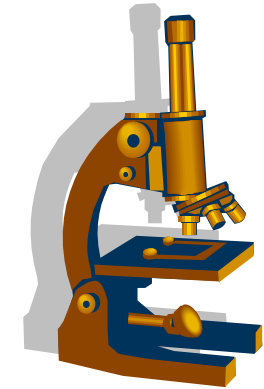
Ideas studied:

1. Diversity index
2. Comparing different habitats e.g. rocky shores

These studies will involve sampling techniques, such as, quadrats and line transects.

BIOLOGY

A-level Biology



Course Information

Entry requirements:

5.35 Average points scored at GCSE

(equivalent to grade C/B)

AQA Biology

Course Summary

AS MODULES

Module 1—Molecules, cells and systems

- Biological molecules
- Cell ultrastructure
- Plasma membranes
- Microscopes
- Enzymes
- Blood
- Heart
- Lungs
- Effects of exercise on these organs

This is an examined unit worth 35% of the total AS marks

Module 2—Making use of biology

- Cell division
- DNA replication
- Enzyme biotechnology
- Genetic fingerprinting
- Immunology
- Adaptations of cereals
- Manipulation of reproduction

This is an examined unit worth 35% of the total AS marks

Module 4—Centre-assessed coursework

This coursework comprises of three sections:

1. Full practical—Effects of temperature on enzyme reactions
2. Essay—discussing a biological issue
3. Cell drawings

The coursework accounts for 30% of the total AS marks

A2 MODULES

Module 5—Inheritance, Evolution and Ecosystems

- Classification
- Diversity
- Photosynthesis
- Inheritance
- Variation
- Selection
- Ecology
- Succession
- Biochemistry of Respiration
- Carbon and nitrogen cycles

This is an examined unit worth 15% of the total A level mark

Module 6—Physiology and the Environment

- Homeostasis
- Liver structure and function
- Gas exchange systems
- Transport of respiratory gases
- Digestive system
- Metamorphosis
- Nervous system

This is an examined unit worth 15% of the total A level marks

Module 8a—Synoptic Assessment

This is a written paper testing synopsis of the AS and A2 content (accounts for 10% of A level marks)

A synoptic course is run by examiners to assist in this assessment.

Module 8b—Centre assessed coursework

This coursework is carried out on the Biology Field Trip (accounts for 10% of A level marks)

Workshops are also run at Leicester, Derby and Nottingham Universities.