



A Level: Biology

Science

Course Facts & Figures at a glance...

Subject Leader

Mrs Bruce

Course Title

A-Level Biology

QAN Code

A level: 601/4625/4

Awarding Body

AQA

Units:

8 units for A level

Assessments

Paper 1 - 35%

Paper 2 - 35%

Paper 3 - 30%

Possible career options could include roles such as clinical molecular geneticist, nature conservation officer, research scientist, higher education lecturer, secondary school teacher, soil scientist, dentist, doctor and many more.

The A Level Biology course offers an exciting chance to study life in all its diversity.

Genes and genetics are the basis of life and their study at this level will answer some of the questions of why organisms are all so different. Cutting edge technology such as gene therapy and genetic fingerprinting will prove fascinating.

Population studies will give an idea of the fine balance that is needed in nature and in human populations and the consequences of upsetting this balance.

The course ends with a further look at the body and how it is controlled.

The course is assessed by written examinations.

Practical work is an important part of the course and provides many opportunities for scientific investigation.

The units are as follows:

- Biological molecules
- Cells
- Organisms exchange substances with their environment
- Genetic information, variation and relationships between organisms
- Energy transfers in and between organisms
- Organisms respond to changes in their internal and external environments
- Genetics, populations, evolution and ecosystems
- The control of gene expression