

FACULTY	SCIENCE
TITLE OF COURSE	BIOLOGY
LEVEL	HIGHER
RECOMMENDED ENTRY LEVELS	A National 5 Biology pass at A or B grade

Which topic areas are covered in Higher Biology?

- ***DNA & The Genome***
(Structure & Replication of DNA; Gene Expression; Genome)
- ***Metabolism & Survival***
(Metabolism is Essential for Life; Maintaining Metabolism; Metabolism in Microorganisms)
- ***Sustainability***
(Science of Food Production; Interrelationships & Dependence; Biodiversity)

Which skills are taught?

- Scientific and analytical thinking skills in a Biology context
- Problem solving skills in a Biology context
- Understanding the role of Biology in scientific issues
- Acquire and apply knowledge and understanding of concepts in Biology
- Develop an understanding of relevant applications of Biology in society
- Develop literacy and numeracy skills
- Develop employability and enterprise skills.

What assessments are there?

Progress of pupils is maintained throughout the course by unit assessments and an assessed practical investigation.

The final mark is a combination of the externally assessed exam, worth 83% of final mark, and the externally marked assignment, 17% of the final exam.

What kind of homework is given to support learning?

Knowledge and understanding, problem solving, research projects including scientific report writing and investigations.

How often is it issued?

Homework is issued on a regular basis throughout the week.

What careers would benefit from a knowledge of the subject?

A vast number of careers benefit from a knowledge of Biology. For example: Medicine, Bio-Engineering; Agriculture; Food Science; Forensics; Teaching; Dentistry; Nutrition; Journalism; Veterinary Science; Zoology; Pharmacy; Archaeology; Immunology; Botany; Oceanography; Laboratory Technician.

How can parents help?

Encourage students to take responsibility for their own learning and seek support where necessary.