

HUMAN BIOLOGY: HIGHER

Why Biology?

This course is designed to help you to develop knowledge and skills, which will form a basis for further study or employment related to Biology. It provides a broad-based study of a wide range of biological topics which show the importance of Biology as an investigative science and as a basis for study in many applied fields. The course develops an understanding of the way in which biological principles can be applied to issues facing the individual and society and encourages positive attitudes to others and the environment.

Entry to the Course

This is at the discretion of the school but you would normally be expected to have attained one of the following:

- National 5 Biology at A-C pass
- Candidates with good National grades in Maths, Chemistry and Physics but no National 5 Biology may also be considered.

Course Outline

Human Biology: Higher

Human Cells

This unit involves study of

- Division and differentiation in human cells
- Structure and function of DNA
- Cell metabolism

Physiology and Health

This unit involves study of

- Reproduction
- The cardiovascular system

Neurobiology and Communication

This unit involves the study of

- The nervous system
- Communication and social behaviour

Immunology and Public Health

This unit consists of

- The immune system
- Infectious disease and immunity

Developing skills for learning, skills for life and skills for work

Learners are expected to develop broad generic skills as an integral part of their learning experience. For this course, it is expected that the following skills for learning, skills for life and skills for work will be significantly developed:

- Literacy
- Numeracy – number processes, money, time and measurement, information handling
- Thinking skills – applying, analysing and evaluating, creating
- Working with others
- Citizenship

Assessment

The course is assessed by a combination of internal assessment by the teacher/lecturer and an external examination and assignment, set and marked by the SQA.

Progression

Successful completion of this course may lead to:

Advanced Higher in

- Biology

Education (HNC/HND/Degree);

Employment in

- Animals Land & Environment
- Hairdressing & Beauty
- Health & Medicine
- Manufacturing Industries
- Science & Mathematics
- Social, Caring & Advisory Services
- Sports & Leisure

Further advice and information on these options is available from your Subject Teacher, Home Area Principal Teacher and Careers Adviser.