



Course Choice Information – Biology National 5

Course Information & Content

The National 5 biology course is comprised of the following 3 units:

1. Cell Biology

The key areas covered are: cell structure; transport across cell membranes; DNA and the production of proteins; proteins; genetic engineering; respiration.

2. Multicellular Organisms

The key areas covered are: producing new cells; control and communication; reproduction; variation and inheritance; transport systems — plants; transport systems — animals; absorption of materials.

3. Life on Earth

The key areas covered are: ecosystems; distribution of organisms; photosynthesis; energy in ecosystems; food production; evolution of species.

Assessment

SQA assessment:

A final exam of a question paper worth 100 marks. This takes 2.5 hours.

An assignment which is worth 20 marks. This requires around 8 hours of work and is sent away to be marked externally by the SQA.

In class assessment:

Pupils will be assessed on each unit with mid-unit and end of unit written assessments which will measure their progress throughout the course.

Homework

Pupils will be provided with a variety of regular homework exercises. These will include past paper questions, revision tasks etc.

Progression

Higher, Advanced Higher.

Career Options

Agriculture | Biochemistry | Biomedical Engineer | Biotechnology | Dentist/ Dental Hygienist | Dietician or Nutritionist | Geneticist/ genetic councillor | Marine Biologist/Zoologist | Medicine | Midwifery | Nursing | Paramedic | Pharmacist | Physiotherapist | Sports scientist | Veterinarian

[Further Information - SQA](#)

