

DEPARTMENT	BIOLOGY
LEVEL	NATIONAL 4
<u>RECOMMENDED ENTRY LEVELS</u>	S3 (Level 4) Biology

NB This may be taught in the same class as National 5 or in a dedicated National 4 class. Pupils will be encouraged to complete National 5 assessment if appropriate, if they are finding this challenging they will be recommended to complete all the National 4 assessment.

Biology National 4 units:

- **Cell Biology**
- **Multicellular Organisms**
- **Life on Earth**
- **Added value unit**

Methodology to promote the main aims of the subject is:

- Active learning tasks to develop scientific and analytical thinking skills in a biology context.
- Activities including practical work to promote problem solving skills.
- Develop an understanding of biology's role in scientific issues and relevance in society.

Homework:

This will be a mix of:

- developing and applying biology knowledge
- developing scientific and analytical thinking skills
- planning and designing experimental procedures
- research on biological issues and their impact
- Pupils should make their own summary notes/mind maps each week to aid revision.

Assessment:

All units will be internally assessed (either pass or fail) in a number of ways: a mix of knowledge and understanding tests, practical investigations and problem solving tests. There is an Added value unit for Nat 4 which is investigative/research work. Learners will investigate a topical biology issue using knowledge and skills drawn from Course and the social/environmental implications.

At National 4 there is no external examination.

On National 4 successful completion the pupil may progress to National 5 biology, if the pupil has shown the necessary aptitude.