

BIOLOGY: NATIONAL 5

**3 UNITS: CELL BIOLOGY
MULTICELLULAR ORGANISMS
LIFE ON EARTH
COURSE ASSESSMENT: ASSIGNMENT + QUESTION PAPER**



Course Entry Requirements

Pupils should consider this course if they have completed S3 Biology to a sufficient standard as indicated by S3 reports, National 4 in the same course or have any other Science qualification at National 5.

What skills will my child develop?

- a deeper knowledge and understanding of biology
- a deeper understanding of biology's role in scientific issues
- an understanding of biology in society and the environment
- scientific inquiry skills to plan and carry out experiments
- scientific analytical thinking skills in a biology context
- the ability to use technology, equipment and materials, in scientific activities
- problem-solving skills in a biology context
- use and understand scientific literacy, to communicate ideas and issues
- finding associations and investigating models in real-life contexts
- information-handling skills (selecting, presenting, processing information)
- the knowledge and skills for more advanced learning in biology
- the ability to review science-based claims in media reports
- an understanding of the importance of accuracy
- evaluating environmental and scientific issues
- risk assessment and decision-making

What will my child experience during the Course?

- Active and independent learning through self and peer evaluations, setting targets, using feedback
- A blend of classroom approaches including more challenging experimental, practical, investigative approaches, whole class, small group, one-to-one discussions, interactive teaching
- Collaborative learning: working with others in group or partner activities; cross-curricular learning eg with other sciences, mathematics, social studies, technologies or RMPS; with organisations such as STEMNET
- Space for personalisation and choice: the Assignment can be on a topic agreed by the learner and the teacher
- Applying learning
- Embedding literacy and numeracy skills: researching, processing and presenting information (using calculations and units); evaluating; recording, displaying and interpreting data; using technology.

Assessment

- To gain National 5 Biology, learners must pass the Assignment and Question Paper (final exam)
- National 5 Biology is graded from A to D or as No Award.

Question Paper 2 hours 30 minutes - (100 marks)

- Section 1: Multiple choice questions (25 marks)
- Section 2: Restricted and extended response questions (75 marks)

Assignment (20 marks)

- An investigation into a relevant biology topic, with findings written up under exam conditions.

Progression National 5 progresses onto;

- Higher in the same course (if National 5 grade is A or B)
- National 5 in any other science course (if National 5 grade is C or lower)

Progression

- National 5 progresses onto;
- Higher in the same course (if National 5 grade is A or B)
 - National 5 in any other science course (if National 5 grade is C or lower)