

SCIENCE WITH BIOLOGY

Why choose? Science with Biology

Biology is the study of life and the changes that take place within and around living things. Through the development of generic transferable skills in science, numeracy, problem solving and practical work you will gain an understanding of how living things interact with each other, how their environment is of importance and how many current and topical biological issues are at the forefront of technology. By studying Science with Biology you will appreciate the essential role it has to play in our everyday lives and in our future and will be equipped with the skills to prepare you for further studies in this or other science subjects.

What does the course involve?

You may have 3 periods every week to undertake your Science with Biology during which you will:

- Develop knowledge and understanding
- Develop problem solving and higher order thinking skills
- Develop practical and investigative skills through practical work including N5 outcomes.
- The course covers a broad range of topics at levels 3 and 4 and will include part of a unit of work at N4/5 in preparation for progression into S4.

This unit will cover:

- Biodiversity and the distribution of life.
- Energy in ecosystems.
- Sampling techniques and the measurement of biotic and abiotic factors.
- Adaption.
- Natural selection and the evolution of species.
- Impact on the environment.

How is your work assessed?

You will be assessed in Knowledge & Understanding and Problem Solving throughout the year. Units of work will be assessed formally. You will complete a number of assessed practical experiments and investigations for each topic. Good performance in these assessments will show progression towards N5 Biology.

Homework in this course

Homework will be given frequently and will be based on a wide range of activities. It will provide opportunities for pupils to consolidate their knowledge & understanding and to develop their skills in problem solving, researching and presenting information.

Possible pathways in the Senior Phase

Progression will be dependent on progress and attainment through the level 3 and 4 outcomes and discussions will take place at various times throughout the year. Pupils will have the option to continue their Biology studies in the senior phase by choosing:

- S4 - National 4 Biology – success in this course will enable pupils to progress to National 5 in S5 and subsequently Higher in S6
- S4 - National 5 Biology – success in this course will enable pupils to progress to Higher in S5 and subsequently Advanced Higher in S6