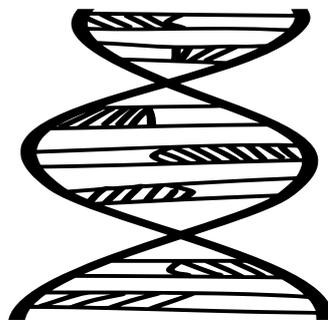


A-Level BIOLOGY



Opportunities

Students studying Biology are taught by subject specialists.

Fieldwork and university visits to develop further interest and inspire students.

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Learning with Biology!

- Find out what living things are and what they are made from.
- Develop problem-solving skills.
- Develop practical skills.
- Develop communication, literacy, numeracy, teamwork, and analytical skills.
- Understand the global issues facing living organisms.
- Understand the role of DNA technology in solving crimes and developing global solutions.
- Apply theoretical understanding to the living world with fieldwork.



Why study this course at Bellerive FCJ Sixth Form?

Biology is the subject that allows students to understand the importance of living healthily and developing a better understanding of the world we live in.

Subject teachers in Biology are well qualified, enthusiastic, experienced, and caring. The department is well equipped with the resources needed for students to be successful, e.g. up to date textbooks, work booklets, past exam practice software.

Fieldwork is an important part of Biology, and you will use the local areas around Bellerive and Formby coastal reserves to undertake fieldwork experiences.

What will I study? Course code is 7402 A Level Biology with AQA.

1 Biological molecules

2 Cells

3 Organisms exchange substances with their environment

4 Genetic information, variation and relationships between organisms

5 Energy transfers in and between organisms (A-level only)

6 Organisms respond to changes in their internal and external environments (A-level only)

7 Genetics, populations, evolution and ecosystems (A-level only)

8 The control of gene expression (A-level only)

How will I be assessed?

Three separate examination papers in the Summer of Year 13.

Paper 1 - Any content from topics 1–4, including relevant practical skills. Written exam: 2 hours/91 marks/35% of A-level.

76 marks: a mixture of short and long answer questions

15 marks: extended response questions

Paper 2 - Any content from topics 5–8, including relevant practical skills. Written exam: 2 hours/91 marks/35% of A-level.

76 marks: a mixture of short and long answer questions

15 marks: comprehension question

Paper 3 - Any content from topics 1–8, including relevant practical skills. Written exam: 2 hours/78 marks/30% of A-level.

38 marks: structured questions, including practical techniques

15 marks: critical analysis of given experimental data

25 marks: one essay from a choice of two titles.

Also, students will study the CPAC required practical tasks in line with AQA requirements for the practical endorsement. (12 required practical tasks)

What can the course lead on to?

Biology has continued to be one of the most employable degrees.

If you are aiming to be a doctor, nurse or vet, your knowledge, skills and understanding of Biology will facilitate you qualifying in this highly competitive and interesting field of study.

Studying Biology can really open up a whole range of important and interesting career opportunities including: biological research, medical, environmental, forensic science, sports science and science communication. The transferable skills you will learn, such as problem solving, mathematical and statistical analysis and evaluation are all useful for many other areas, such as investigation, enquiry and law.

The health care sector is a major employer that will look for students with a strong Biology background and a degree in Biology is a contributing factor to gaining employment in this chosen area.

