

Biology

A Level

Exam Board: **OCR**



ST. MARY MAGDALENE

C OF E SIXTH FORM

PENINSULA CAMPUS

*Excellence through innovation,
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What is Biology?

Biology is a popular choice for students who wish to study sciences or who wish to include a science to complement their other subjects. The course we offer provides a broad range of topics and we believe in providing as many practical opportunities as we can. Biology at A Level provides an excellent grounding for all biological university courses.

What will I study?

Module 1: Development of practical skills

Module 2: Foundations in Biology; cell structure, biological molecules, enzymes, cell division.

Module 3: Exchange and transport: gaseous exchange, transport in animals and plants.

Module 4: Biodiversity, evolution and disease; diseases, preventing and the immune system.

Module 5: Communication, homeostasis and energy; excretion, neurones and hormone communication, animal and plant responses. Photosynthesis and respiration.

Module 6: Genetics, evolution and ecosystems; cellular control, inheritance, genetic engineering, cloning and biotechnology, ecosystems, populations and sustainability.

What entry requirements will I need?

In addition to the general entry requirements you will need a grade 6 in Biology or grade 6/6 in Combined Science.

How will I be taught?

- 5hrs contact time plus 5hrs private study per week.
- No assessed coursework.
- Core practical activities (PAGs) that make up a practical endorsement.
- Regular assessment.

How will I be assessed?

Paper	Weighting	Marks and duration
Biological Processes (Modules 1, 2, 3 and 5)	37%	100 marks 2hrs 15mins
Biological diversity (Modules 1, 2, 4 and 6)	37%	100 marks 2hrs 15mins
Unified Biology (All Modules)	26%	70 marks 1hr 30 mins

What career opportunities does this open up?

Anything to do with medical or veterinary science, environmental science, neuroscience, agriculture, marine biology, forestry, genetics, conservation, industry, teaching, chiropractor and lots of others.



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