

Biology

Learn about a wide variety of fundamental biological principles & concepts

Take part in a wide range of learning experiences including practical work e.g. dissection, fieldwork and class activities

Progress to study a wealth of biological sciences related courses and clinical professions such as medicine, dentistry and veterinary sciences

YOU WILL STUDY

The fundamental biological principles and how this knowledge is used in the 21st century.

First year units include:

- Biological molecules
- Cells including structures, function and processes
- Mammalian transport, exchange and digestion
- Natural selection and impact

Second year units include:

- Nervous communication and muscles
- Homeostatic control of blood glucose and water potential
- Energy systems including photosynthesis and respiration
- Inheritance of genetics
- Modern DNA technologies - their applications in modern scientific research are emphasised.

ASSESSMENTS

- Three examinations at the end of year two based on eight topics
- Practical tasks over the two years



SUPPORTING YOU

- Opportunities for practical work to develop lab skills
- Regular exam based homework to test understanding
- Individual targets and feedback
- Revision tutorials
- High Achiever+ activities e.g. prep for BMAT and UCAT exams
- Regular external speakers from former students and professionals

Imagine a career in

biochemistry → biotechnology → dentistry
 forensics → food science → forestry → medicine
 microbiology → nursing → pharmacy
 pharmacology → physiotherapy → psychology
 speech therapy → sports therapy
 radiography → veterinary science → zoology



Extra-curricular

National competitions including the Biology Olympiad

Enrichment options such as MedSoc, Healthcare Professionals Programme and SciSoc

Links with local universities

Nuffield Research Placements and work experience placements

Trips and visits e.g. Chester Zoo



Biology Olympiad Winners

2023 RESULTS

A*- B 59% / A*- C 85% / Overall 100%

SCAN HERE



FOR FULL COURSE DETAILS

EXAM BOARD

AQA

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My Experience

“I’ve really enjoyed my time at Carmel, especially studying Biology as it is a subject that rewards hard work. The lessons have given me a greater understanding of the topics and there are plenty of opportunities to consolidate and ask for assistance.

There are a huge range of resources available to help my independent studies which has made preparing for classes a lot simpler and less daunting. Biology has also complemented my Chemistry and Maths studies perfectly as it has enforced a certain style of learning.

Studying Biology has helped me to decide to go and study further in the scientific field at university.”



Kieran Thomerson

ST GREGORY'S CATHOLIC HIGH SCHOOL
BIOLOGY, CHEMISTRY AND MATHS

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Be sociable.

