

A Level Biology

Why study this course at Cronton Sixth Form?

The Centre of Excellence in Science and Maths at Cronton has excellent Biology facilities. The staff are very experienced and have a fantastic record of achieving outstanding results at A Level. The classes are small and friendly. Individual and group tutorials are arranged to provide extra support.

What will I study?

In the first year of your A Level Biology course you will learn about cells, the heart and respiratory systems, DNA, cells, biochemistry, natural selection and biodiversity. In the second year you will study ecology, biochemistry of photosynthesis and respiration, genetics, the nervous system, homeostasis, the kidneys and natural selection and evolution.

How will I be assessed?

For A Level Biology there are mock exams at the end of year and three exams at the end of the year 2. There are 12 compulsory practical tasks which will be assessed in the theory exams. You will be regularly assessed in class throughout your 2 years of study with us.

Entry Requirements

A minimum of 3 x 5's and 2 x 4's at GCSE including a Grade 5 in English Language, a Grade 5 in Maths and a Grade 6 in Biology or a Grade 6:6 in trilogy science.



Can I study this course if I have not taken it at GCSE?

As a core subject, all students will be expected to have studied Biology at GCSE level.

Enrichment Opportunities

All students visit Chester Zoo in the first year to help with their coursework investigation. A field trip to develop an interest in Ecology is offered as well as trips to the Natural History Museum in London and the Institute of Biotechnology. There is also the tomorrow's scientist programme which is designed to develop skills in problem-based learning, teamwork, leadership and public speaking. This will be of particular interest to those students who wish to do careers in medical science. There are university and industry visits and Nuffield placements.



Centre of Excellence in STEM

Cronton Sixth Form College has created a Centre of Excellence for Advanced Level Science, Technology, Engineering and Maths courses. This Centre of Excellence has been developed through the recruitment of some of the best teaching staff in the country, the building of our new state of the art IDEA Centre and science labs, and the expansion of our extra-curricular activities that support applications to the most prestigious universities.

Be inspired

Students can take part in our Tomorrow's Scientists Professional Studies Programme, enter competitions, be part of prestigious national Science and Maths programmes, be inspired by leading industry experts and visit external research labs and top universities such as Cambridge, Oxford and Manchester.

The Cronton Experience

At Cronton you can take part in many enrichment activities such as:

- The High Achievers Programme
- Professional Programmes for Tomorrow's Scientists, Lawyers and Teachers
- Centres of Excellence in STEM, Performing Arts and Sport
- Student Leadership Team
- College Sports Teams
- TASS (Talented Athlete Scholarship Scheme)
- The Duke of Edinburgh's Award
- International Trips
- Scholarships



Learn more about the Cronton Experience at:
www.cronton.ac.uk/experience

What can this course lead on to?

Degrees in Biology, life sciences, medicine, dentistry, physiotherapy and other medically related fields. Careers in research, ecology and biotechnology as well as those in teaching and in a variety of industries.

Any additional costs?

All teaching resources are available on the college intranet. Student notes and work booklets will be given to all students. There is a one-off payment for Biology of £10 at the start of the year which covers the cost of a trip, guest speakers and resources.

Outstanding Facilities

The IDEA Centre is a unique STEM facility which offers students innovative training facilities including an advanced manufacturing workshop, a digital and electronics suite, a metrology suite, a process control workshop, a health and fitness suite, a project management suite, meeting rooms, a 3D modelling suite and an Industry 4.0 suite which all prepare students for the Industry 4.0 trend of automation and data exchange in manufacturing technologies.

What have previous students said about this subject?

“There are support sessions that are run every Wednesday to help students studying Biology and it covers the content that you covered the previous week. This really helps me and the other students to ask about any areas that we don't feel comfortable with, which helps me and my confidence in these lessons.”

Meet the Students

Name:
Freya Thornton

Previously from:
Ormiston Chadwick Academy

Destination:
Lancaster University to study Medicine and Surgery

A Level Results:
Biology A*
Maths A*
Chemistry A

