A LEVEL BIOLOGY

If you enjoy learning about living organisms and want to delve deeper into concepts such as biochemistry and cell biology through to behaviour and ecology, then A Level Biology will offer you an exciting, challenging and stimulating area of study with fantastic progression opportunities.

Level 3 · A Level (or equivalent) · Truro College

TOP COURSE HIGHLIGHTS

PRACTICAL WORK FOCUS | FIELDWORK | FANTASTIC LAB FACILITIES | FACILITATING UNIVERSITY SUBJECT | SPECIALIST TUTORS

DEVELOP PRACTICAL SKILLS

Although you will be assessed on the practical endorsement in 12 required practicals, practical work is essential to helping you understand the theory you have studied so you will complete many practical tasks to develop your skills and understanding of the taught material.

PRACTICAL FIELDWORK EXPERIENCE

Practical fieldwork experience in which you will design your own practical investigation, carry out practical work in the field and then analyse and evaluate your data to draw conclusions- all essential skills for careers in this sector.

APPLY FUNDAMENTAL CONCEPTS

An exceptionally broad specification that allows you to apply fundamental concepts in biology to your area of interest and hopefully to discover new areas of interest to.

WHY CHOOSE THIS COURSE?

A Level Biology at Truro and Penwith College is exciting, interesting, and challenging but with the guidance and support of subject specialist lecturers and a wealth of experience and passion for biology, you will have every opportunity to achieve your goals. A Level Biology is a great choice for anyone who wants to delve deeper into the topics covered in biology topics at GCSE study. It will give you the opportunity to develop your knowledge and understanding of a wide range of biological topics and allow you to apply these topics to new contexts and to solve problems. You will also develop your practical skills, analytical skills, and reasoning.

A Level Biology encompasses the cellular basis of all living things, the transformation of energy that underlies the activities of life, and the genetic basis for inheritance in organisms. You will study the evolutionary relationships between organisms and the diversity of life on earth, to include microorganisms, plants, and animals. The structural and functional relationships studied in biology draw on the sciences of chemistry and physics for its foundations and applies the laws of these disciplines to living things. A Level Biology is designed for progression to HE in mind and is a facilitating subject which means that it is valued by a range of different degree courses as you develop many transferable skills.

WHAT WILL I LEARN?

You will study eight topics over the A Level course which will be assessed in three exams at the end of two years. Topics:

- Biological molecules
- Cells
- Organisms exchange substances with their environment
- Genetic information, variation and relationships between organisms
- Energy transfers in and between organisms
- Organisms respond to changes in their internal and external environments
- Genetics, populations, evolution and ecosystems
- The control of gene expression

WHERE WILL IT TAKE ME?

Biology opens up a wide range of opportunities for university level study. The skills you will develop are in high demand over a wide range of fields and students progress to a range of different careers, some closely related to biology such as medical or health related careers, clinical research, or pharmaceuticals, and some in other sectors such as business, finance, and marketing.

ENTRY REQUIREMENTS

A minimum of 5 GCSEs at Grade 4 or above, including at least GCSE Biology Grade 6 or GCSE Combined Science Grades 66, GCSE English Grade 6 or a Humanities subject Grade 6, and GCSE Maths Grade 5.

IMPORTANT

Course information can change. Please use the QR code below for the current assessment arrangements, entry requirements and start dates.

FOR THE LATEST COURSE INFORMATION

Scan for assessment arrangements, learner support, confirmed start dates and how to apply.