



## WHAT WILL I STUDY?

Biology is the study of living organisms, encompassing their structure, function, growth, evolution, and interactions with the environment.

OCR A Level Biology explores the intricate web of life, from microscopic cells to complex ecosystems, allowing us to understand the fundamental processes that shape and sustain our planet.

You will cover the following units: development of practical skills in biology, foundations in biology, exchange and transport, biodiversity, evolution and disease, communication, homeostasis and energy, and genetics, evolution and ecosystems.

You will have the opportunity to carry out ecological fieldwork, and attend talks and workshops on key topics. You will also be able to join the Medical Society, where you will investigate broader and deeper topics related to medicine and the life sciences.



## A LEVEL BIOLOGY

### ENTRY REQUIREMENTS

A minimum of 5 GCSE subjects graded 9-5 including English and 2 GCSE subjects graded 9-6 including Maths and Combined Science / Biology

## COURSE FEATURES

- Partnerships with some of the UK's leading employers.
- Programme designed in response to the findings of some of the UK's leading universities and businesses.
- Exceptional learning facilities.
- Small class sizes.
- Additional academic support tutorials delivered individually or in small groups.
- Mock interviews.
- Opportunities to undertake enterprise projects and compete in local and national competitions.
- Enrichment opportunities that add value to applications for higher study and chosen careers, including an enhanced guest speaker programme.

Students undertake a work placement, voluntary and charity work opportunities. These experiences will help you build vital skills and expand your personal development, as well as boosting applications to top universities and employers.

The college's strong industry links, combined with its purpose built state-of-the-art facilities, provide the foundations for establishing a dynamic career, with the support of industry experienced professional tutors.

## ACADEMIC DEVELOPMENT

Students benefit from a range of extra qualifications, work placements, voluntary work and masterclasses, delivered by industry experts. Options include:

**I'M A SCIENTIST: Get Me Out Of Here!** is a nationwide event allowing you to engage in text-based chat with scientists working in closely related fields in a themed zone. You will gain an appreciation for the range of careers available, and the different academic journeys of the scientists they speak to.

It is an opportunity to "meet" scientists in a very neutral and friendly setting, and to ask about research, studying, topics of interest, and current news in the sciences.

## COURSE LENGTH

A Level Biology is full-time for two academic years.

## HOW WILL I BE ASSESSED?

Through a combination of written exams and practical assessments.

## WHAT CAN I PROGRESS TO?

On successful completion we will support you in applying to prestigious universities nationwide to study. If you wish to secure employment, we will support you in your job searches and applications.

**Extended Choices** option is not suitable for those who wish to go on to study medicine and veterinary science.

## UNIVERSITY COURSES

Biochemistry	Marine Biology
Biological Sciences	Medicine
Biomedical Sciences	Microbiology
Biotechnology	Palaeontology
Ecology & Environmental Biology	Physiology
Genetics	Zoology

## CAREER ASPIRATIONS

Academic and Industrial Research
Agriculture and Food Science
Biotechnology and Pharmaceutical Industries
Conservation and Environmental Management
Education and Outreach
Forensic Science
Medical and Healthcare Professions



## A LEVEL EXTENDED CHOICES HEALTH & SCIENCE

If you choose to attend Parsons Walk, Wigan you may study a mixed programme of A Levels and a BTEC Level 3 qualification to help you fulfil your career ambitions.

This provides an alternative route to university and degree apprenticeships and may be suitable for those who prefer a combination of coursework and examinations.

This pathway is not suitable for those who wish to study medicine or veterinary science and it is not offered at Leigh College..

**A LEVELS**  
(choose two from the following)

**Chemistry**  
**Mathematics**  
**Physics**

**BTEC LEVEL 3 EXTENDED CERTIFICATE**  
(equivalent to one A Level)

**BTEC Level 3 Extended Certificate**  
**Applied Human Biology**

Learn human anatomy and physiology, from the molecules we depend on to the function of the human body. Develop practical skills in microbiology, including the identification of diseases and the selection of appropriate antibiotics. Analyse data and research for human health, and study issues surrounding fertility and reproductive technology.

**ENTRY REQUIREMENTS**

**A minimum of 5 GCSE subjects graded 9 - 5 including English and Maths.**

**If you wish to study A Level Mathematics or Science you will need a grade 6 at GCSE.**

**Not suitable for those who wish to study medicine and veterinary science.**

If you have any queries please contact our Admissions Team: **01942 761 111** or email: **applications@wigan-leigh.ac.uk**

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