

Science:

- A-Level Biology
- A-Level Chemistry
- A-Level Physics

Standard Entry Guidelines

5 GCSEs with a mixture of grades 9-5 in a least 5 different subjects including English Language and Mathematics

A-Level Biology

Exam Board: OCR

Entry Requirements

Standard plus grade 7/6 in Combined Science, or grades 7-6-6 in Biology, Chemistry and Physics, plus Grade 6 in GCSE Maths.

How is the subject assessed?

100% examination. Students must also complete a required set of practical activities to achieve a practical endorsement.

- Paper 1: Biological Processes – 2 hours 15 minutes (37%)
- Paper 2: Biological Diversity – 2 hours 15 minutes (37%)
- Paper 3: Unified Biology – 1 hour 30 minutes (26%)

What will I study?

This course focuses mainly on human biology, including how major organs such as the heart, lungs, liver, pancreas, kidneys and nervous system function and are regulated.

You will also study key biological molecules like enzymes, DNA and proteins, as well as wider topics including transport, biodiversity, evolution and disease.

Is this subject right for me?

If you're interested in life and living processes and enjoyed Biology at GCSE, this course will build on your enthusiasm and understanding.

You'll be supported by experienced, enthusiastic teachers who will help you achieve your full potential.

What Next?

A-Level Biology is essential for many careers and provides excellent preparation for many more. It develops valuable skills in analysis, evaluation and independent study, which are highly sought after by employers.

Careers include Medicine, Nursing, Midwifery, Physiotherapy, Sport Science, Veterinary Science, Dentistry, Forensics, Pharmacy, Biotechnology, Conservation, Oceanography and Biology Teaching.

A-Level Chemistry

Exam Board: OCR A

Entry Requirements

Standard plus grade 7/6 in Combined Science, or grades 7-6-6 in, Chemistry, Biology and Physics, plus Grade 6 in GCSE Maths.

How is the subject assessed?

100% examination. Students must also complete practical work to achieve a practical endorsement.

- Paper 1: Periodic Table, Elements and Physical Chemistry – 2 hours 15 minutes (37%)
- Paper 2: Synthesis and Analytical Chemistry – 2 hours 15 minutes (37%)
- Paper 3: Unified Chemistry – 1 hour 30 minutes (26%)

What will I study?

You will study Physical, Inorganic and Organic Chemistry through a range of topic-based units. Practical skills are developed alongside theory and assessed through written exams and a practical endorsement.

Is this subject right for me?

Chemistry suits students with a wide range of interests. Whether you are aiming for medicine or industry, it provides a strong foundation for many future careers.

What Next?

This A-Level provides a strong foundation for a wide range of careers.

It can lead to health and clinical professions such as Medicine, Nursing, Biochemistry, Dentistry and Forensic Science, as well as careers in industry including the petrochemical and pharmaceutical sectors.

It also supports many university degrees, including Chemical Engineering, Medicine and Forensic Science, among many others.

A-Level Physics

Exam Board: OCR

Entry Requirements

Standard plus grade 7/6 in Combined Science, or grades 7-6-6 in Physics, Biology and Chemistry plus Grade 6 in GCSE Maths.

How is the subject assessed?

100% examination. Students must also complete required practical work to achieve a practical endorsement.

- Paper 1: Modelling Physics – 2 hours 15 minutes (37%)
- Paper 2: Exploring Physics – 2 hours 15 minutes (37%)
- Paper 3: Unified Physics – 1 hour 30 minutes (26%)

What will I study?

The OCR A-Level Physics course builds on GCSE Science and covers Forces and Motion, Electrons, Waves and Photons, the Newtonian World and Astrophysics, and Particles and Medical Physics.

Is this subject right for me?

Physics is about understanding how the universe behaves and predicting how it will act using scientific laws. It explains how the world works, but not why those laws exist.

What Next?

Physics opens doors to a wide range of careers and university courses, including engineering, astronomy and aeronautics, as well as less obvious fields such as accountancy and management.

Few subjects offer such a broad range of education and career opportunities.