

Level 3 Certificate and Extended Certificate

Applied Science

Applied Science will provide an insight into how science is used in a range of industries. The focus of the course is not just the key concepts in biology, chemistry and physics, but also in their scientific usage – how scientists, healthcare professionals and those in industry use these concepts in their work and how science contributes to our daily lives. The course is designed to allow you to spend a considerable amount of your time in the laboratory, working on the kind of practical projects that may be undertaken by employees working in the health sector and the science-based industries.

Entry requirements

- Grade 5 in GCSE Combined Science
- Grade 5 in GCSE Mathematics
- Grade 5 in GCSE English Language

Please note that we will accept some combinations of BTEC and Cambridge Technical qualifications in Science in lieu of GCSE Combined Science, provided that they have been achieved at Level 2 Merit with Level 2 Passes in examined units. Should you wish to discuss whether or not you would meet these entry requirements, please do not hesitate to get in touch.

Course breakdown

In Year 12 you will study:

- Unit 1 – Key concepts in Science
- Unit 2 – Applied experimental techniques & practical work
- Unit 3 – Science in the modern world

In Year 13 you will study:

- Unit 4 – The Human body
- Unit 5 – Investigating Science and further practical work
- Unit 6 – Medical Physics

How will the course be assessed?

At the end of Year 12 you will be entered for the Level 3 Certificate in Applied Science

The papers and portfolio will assess the content and skills covered in the first year of the course.

- Exam: Unit 1 – 1.5 hours – 33.3% of Certificate
- Exam: Unit 3 – 1.5 hours – 33.3% of Certificate
- Coursework: Unit 2 – 33.3% of Certificate

There will be the opportunity to re-sit the exams once more, should this be necessary.

At the end of Year 13 you will be entered for the Level 3 Extended Certificate in Applied Science. This will include your results from Units 1, 2 and 3, where each count for 16.6%, in addition to:

- Exam: Unit 4 – 1.5 hours – 16.6% of Extended Certificate
- Coursework: Unit 5 – 1.5 hours – 16.6% of Extended Certificate
- Coursework: Unit 6 – 16.6% of Extended Certificate

Where can the course lead?

Science-based careers form one of the largest employment areas in the UK and as such, there are an extremely wide variety of employment opportunities for those who have an interest in this exciting sector. Not only is Applied Science an appropriate choice for those wishing to become a technician in the science industries or to pursue a sport-related career, but it is also a strong choice if you have aspirations to work as a nurse or physiotherapist, as well as other healthcare professions, including as a paramedic, dietician, podiatrist, radiographer or occupational therapist.

