



## What is Applied Science?

Applied science covers a broad spectrum of biology, chemistry and physics. Students will study topics relating to all three sciences, and gain a well-respected qualification that is equivalent to either 1 or 2 A-Levels.

Beyond the subject knowledge, the Applied Science course allows students to develop greater practical, investigative and independent research skills than in a traditional A-level.

Throughout the course, links will be made to industry and applications of the subject into the real-world to give the student a greater understanding of how science can be applied to contemporary issues. A wide range of transferable skills will be developed that will help students at university and beyond.

## Why students choose this course

Applied Science suits students with an interest in a wide range of biology, chemistry and physics. It also benefits students with a preference towards practical work, and applications to industry.

With less emphasis on exam, this course allows students to develop independence, investigative and research skills. It can be taken in combination with a wide range of subjects, complimenting psychology, PE, sociology well.

## What the course covers

Students can complete the single (1 A-level equivalent) or double (2 A-level equivalent).

**The complete specification can be viewed on the Pearsons website. <https://qualifications.pearson.com>**

**The units covered are listed below:**

### Single Award Year 1

- 1: Principles and Applications of Science I
- 2: Practical Scientific Procedures and Techniques

### Single Award Year 1

- 3: Science Investigative Skills

### One from:

- 8: Physiology of Human Body Systems
- 10: Biological Molecules and Metabolic Pathways
- 12: Diseases and Infections
- 13: Applications of Inorganic Chemistry
- 14: Applications of Organic Chemistry

### Double Award Year 1

- 1: Principles and Applications of Science 1
- 2: Practical Scientific Procedures and Techniques
- 3: Science Investigative Skills
- 4: Laboratory Techniques and their Application

### Double Award Year 2

- 5: Principles and Applications of Science II
- 6: Investigative Project

### Two from:

- 8: Physiology of Human Body Systems
- 10: Biological Molecules and Metabolic Pathways
- 12: Diseases and Infections
- 13: Applications of Inorganic Chemistry
- 14: Applications of Organic Chemistry
- 21: Medical Physics Applications

## What students can do with this course

BTEC Applied Science is a well-respected course with universities across the country. The more applied style of assessment in the course allows students to develop a wide range of transferable skills vital for further study, along with a strong scientific background.

Applied Science is useful for progression to a range of science-based university courses including biomedical science, pharmacy, radiology, animal science, zoology, ecology, environmental science, earth science, forensic science and foundation courses in clinical science (which can be used to progress to medical degree courses).

## How this course is assessed

The course is made up of different modules, which are assessed in a variety of ways. Some are assessed by completing assignments, which are set and marked internally by your tutors.

This coursework is assessed against Pass, Merit, Distinction and Distinction\* criteria to determine an overall grade for each unit. Some units are assessed by means of an externally-set examination. Other units are assessed through completion of an externally-set project.

This makes this an appealing course for students who may struggle with exam pressure. It also leads to students gaining parts of their final marks across the two years, rather than just in exams at the very end.

## Entry requirements

All our course entry requirements are detailed in the Entry Requirements document located in the admissions section of our website.

## Further Reading

For detailed information of the BTEC Applied Science course: <https://qualifications.pearson.com/en/qualifications/btec-nationals/applied-science-2016.html>

## Student Profile:



Before Sixth Form, Ayesha was a student at Dixons City Academy. At Dixons Sixth Form, she studied Triple Applied Science.

“ One of the main reasons I chose to study Applied Science was because it gave me an insight into what my scientific knowledge would look like in the real world. Unlike A-levels, this course gives students the freedom to work at their own pace with coursework. Doing coursework throughout the year, that counts towards your final grade, helps to take pressure off the end of year. ”