

BTEC Level 3
Applied
Science



Exam Board
Edexcel

Syllabus number
601/7434/1



King's
School

*“To raise new questions,
new possibilities,
to regard old problems
from a new angle, requires creative
imagination and marks real advance
in science.”*

Albert Einstein

Course entry requirements

Requires an interest in Science and grades 55 in Combined Science.

Why should I study Applied Science?

The BTEC extended certificate in Applied Sciences is the equivalent of one A Level, with the equivalent UCAS points to achieve a place at university. This course suits a learner who prefers continuous assessment methods without the pressure of just one terminal exam.

This course is designed for learners who want to continue their education through applied learning and who aim to progress to higher education, and ultimately to employment in the applied science sector. The course has been developed with consultation of employers, academies and professional bodies in the applied sciences area.

This qualification enables learners to acquire substantial cross-sector scientific knowledge and practical scientific skills, including carrying out practical laboratory tasks, planning investigations, collecting, analysing and presenting data, and reviewing and refining the methodology of practical and laboratory-based work.

What does the course look like?

Students will study a range of mandatory and optional units such as:

Mandatory units:

- The Principles and Applications of Science
- Practical Scientific Procedures and Techniques
- Science Investigation Skills

Optional units include:

- Physiology of Human Body Systems
- Genetics and Genetic Engineering
- Applications of Inorganic Chemistry
- Electrical Circuits and their Application

How will I learn?

Each student will be assessed through a combination of bespoke assignments, tasks and written examinations. Each assignment allows students to achieve either a pass, merit or distinction which translates to the equivalent of a grade E, C and A respectively.

Through the bespoke assignments students will carry out set tasks and create evidence to work-related scenarios. Via the tasks students demonstrate their skills and knowledge in a practical scientific scenario.

What kind of things might the subject lead me to?

This course is ideal for students progressing directly into employment, as the transferable knowledge and skills students will learn will give them an advantage when applying for a range of entry-level industry training programmes and/or higher apprenticeships in areas such as laboratory technician, industrial technician and medical technician.

If you decide to go to university, you could take a degree in Applied Sciences.