

P

rofessional Pathways

Applied Science

The applied science course is a fantastic option for pupils interested in any of the three sciences. It is a great option for pupils who aim to have a career in science, however since the course offers so many other skills it can also be a steppingstone into other careers. The course is focussed on not just allowing pupils to learn about all three sciences, but also gain practical and professional skills that will prepare them for any future pathway they choose, whether that be university, an apprenticeship or straight into employment.

Course Outline

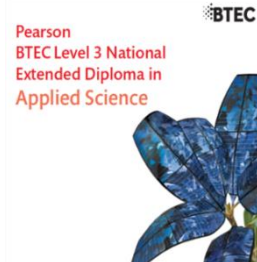
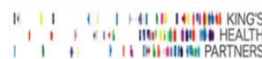
The course consists of mandatory and optional units, which cover different areas of all three sciences. A combination of external units and internal units are given over the two-year course.

Year 12

- Mandatory: Unit 1-Principles and Applications of Science I
- Mandatory: Unit 2-Practical Scientific Procedures and Techniques
- Mandatory: Unit 3-Science Investigation Skills
- Mandatory: Unit 4-Laboratory Techniques and their Application
- Optional: Unit 21- Medical physics applications
- Optional: Unit 23-Forensic Evidence, Collection and Analysis

Year 13

- Mandatory: Unit 5- Principles and Applications of Science II
- Mandatory: Unit 6- Project research
- Mandatory: Unit 7- Contemporary issues in Science
- Optional: Unit 8-Physiology



- Optional: Unit 12-Infections and diseases
- Optional: Unit 14 Organic Chemistry
- Optional: Unit 17-Microbiology techniques

Career Progression

This course has been specifically designed to enhance the career opportunities for anyone wishing to work within the scientific industry. It is designed to provide you with both the practical and theoretical skills needed to work within different areas of science. You could go on to university to study a variety of science related degrees such as: Biology, Chemistry, Biomedical Science, Forensic Science, Nursing Chemistry, Marine Biology and many more. Alternatively, you could progress directly into a career within the science industry via an apprenticeship scheme.

Entry requirements

2x Grade 4 and 3x Grade 5 in GCSE and including at least a grade 4 in English and Maths. You must have also achieved at least a 5-4 in Trilogy science.

What our Students say:

"I never realise just how rigorous this course was going to be. There is so much independent work, through practicals write up and the work readiness program. I really really enjoy it all"