

Why Study BTEC Applied Science?

Course Introduction

Explore how science is applied to real-world challenges in healthcare, industry and research. BTEC Applied Science combines scientific theory with practical laboratory work, helping you investigate questions, analyse results and understand how biology, chemistry and physics shape our world.

Entry Requirements

5 GCSEs with a minimum Grade 4
Minimum Grade 5 in either GCSE Combined Science or 2x GCSE Triple Science and Grade 4 in Maths

Course Content

Explore science through practical investigations and real-world challenges.

- Principles of science: Understand how biology, chemistry and physics explain natural processes.
- Laboratory techniques: Use equipment safely to conduct experiments and record data.
- Scientific investigations: Plan experiments, analyse results and draw evidence-based conclusions.
- Applied science in practice: Discover how science advances healthcare, industry and research.

Skills Developed

Develop your practical laboratory skills, scientific reasoning and ability to analyse data. Strengthen your accuracy, problem-solving and communication while learning to plan investigations, interpret results and evaluate evidence using scientific methods.

Career Opportunities

Applied Science can support progression to university courses and careers in laboratory science, biomedical science, forensic science and healthcare. It also provides a foundation for further study and apprenticeships in scientific research, pharmaceuticals, environmental science and other technical fields.

Course Assessment

The Pearson BTEC Level 3 National Diploma in Applied Science is equivalent to one A-level and is graded at either Pass, Merit or Distinction.

- Internal assessment: Complete laboratory investigations, practical reports and scientific assignments.
- External assessment: Complete examinations and set tasks testing scientific knowledge and its application

