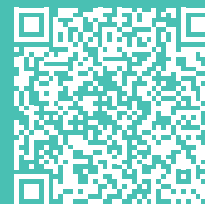


Applied Science BTEC

Find out more



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Why study BTEC Applied Science?

The BTEC in Applied Science offers students the chance to continue their studies of all three sciences but in vocational scenarios, with less emphasis on examinations than the A Level science courses. We offer the Extended Diploma, which is a full time, three A Level equivalent qualification or Diploma (two A Levels) or Extended Certificate (one A Level).

For anyone who sees their future career in Science the Level 3 Extended Diploma in Applied Science is an excellent starting point. It covers a wide range of topics across Biology, Chemistry and Physics and will allow you to acquire a high level of practical laboratory skills from which the theory is then drawn.

About the course

This BTEC course is very practical with plenty of opportunities to implement the theory that you learn. It is mainly coursework based, which means that you have a very clear understanding of your progress throughout the course, to help you plan and achieve your next steps. Students gain valuable organisational, time management and study skills to equip them well to continue learning on higher education courses and throughout their career.

Taught by subject specialists, you will learn by completing laboratory-based practical assignments, supported self-study assignments and presentations that are based on real workplace situations, activities and demands. The course has a strong focus on developing practical skills within the laboratory and learning how science is carried out in industry. This is underpinned by the study of the key theoretical concepts and scientific principles common to all science courses. As a wide ranging and varied course, the options for progressing into higher education and employment are also extremely varied:

- Pure Sciences (Biology, Chemistry, Physics)
- Biomedical science
- Healthcare science
- Pharmacy, Radiography, Nursing, Midwifery
- Engineering

Assessment

Spread over Year 12 and 13

- 58% coursework assessed (42% examined)
- SEVEN MANDATORY UNITS:
- Two assessed by written exam. Biology, Chemistry and Physics content:
 - Unit 1. Principles and Applications of Science.
 - Unit 5. Principles and Applications of Science II
- Two assessed by task.
 - Unit 3. Science Investigation Skills - Practical exam
 - Unit 7. Contemporary Issues in Science – analysing scientific articles.
- Three assessed by coursework - All practical based assignments.
 - Unit 2. Practical Scientific Procedures and Techniques.
 - Unit 4. Laboratory Techniques and their Application.
 - Unit 6. Investigative Project.

- Unit 4. Laboratory Techniques and their Application.
- Unit 6. Investigative Project.
- SIX OPTIONAL UNITS:
 - Physiology of human body systems.
 - Diseases and Infections.
 - Medical Physics Applications.
 - Fire investigation.
 - Forensic investigation.
 - Biomedical science.

Entry requirements

Minimum grade 44 in Double Science and a grade 4 in GCSE Mathematics or English

Outside the classroom

Visits by fire and forensics experts plus visit to industrial laboratories.

