

BTEC Applied Science

Why this course is right for you

BTEC Level 3 National Extended Certificate in Applied Science is intended for post-16 learners who want to continue their education through applied learning and who aim to progress to higher education and ultimately to employment, possibly in the applied science sector. Learners develop the transferable and higher order skills which are valued by higher education providers and employers. This course is best for those that like science and want to continue to study Biology, Chemistry and Physics.



Course Content

Exam board: Pearson Edexcel Pearson BTEC Level 3 National Extended Certificate
Head of Department/Faculty: tbc

Course Outline :

- **Principles and applications of science**
Students learn about the key concepts and applications of biology, chemistry, and physics. Topics include the structure and function of cells and tissues, the periodic table, bonding and structure, and waves.
- **Practical scientific procedures and techniques**
Students learn how to perform titrations, colorimetry, calorimetry, and chromatographic techniques. They also review their personal development of scientific skills for laboratory work.
- **Science investigation skills**
Students learn how to plan a scientific investigation, collect and process data, draw conclusions, and evaluate their work.
- **Optional units**
Students can choose from a range of optional units, such as the physiology of human body systems, genetics and genetic engineering, or applications of inorganic chemistry.

The course is assessed through two external written exams and an internally marked assignment. The internal assignment is based on the student's future education or career choices. The course helps students develop valuable skills, such as critical thinking, problem-solving, teamwork, independence, report writing, and presentation skills.

Beyond BTEC

Career pathway:

BTEC Applied Science can lead to a vast range of employment opportunities.

These include but are not exclusive to:

- Nursing
- Paramedic
- Biological Sciences
- Sports Science
- Sports Psychology
- Health & Social Care
- Sports & Exercise Science
- Environmental Science
- Geology
- Physiotherapist

Going further

Example university courses a BTEC in Applied Science could lead to:

- BSc(Hons) Sports Science
- BSc (Hons) Paramedic Science
- BSC (Hons) Forensic Chemistry
- HND Health & Social Care
- HND Applied Science
- HND Natural Sciences

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