

Pearson Level 3 Alternative Academic Qualification BTEC National in Applied Science (Extended Certificate)

Exam Board: Pearson

Subject Specific Criteria:

Grade 5,5 in GCSE Combined Science/Triple Chemistry
Grade 5 in GCSE Mathematics GCSE
Grade 5 English Language GCSE

What is Level 3 Applied Science?

This qualification is equivalent in size to one A Level and is designed for students who are interested in learning about the science sector alongside other fields of study, with a view to progressing to a wide range of higher education courses, not necessarily in applied science. To be taken as part of a programme of study that includes other appropriate BTEC Nationals or A Levels.

Assessment:

Assessment is specifically designed to fit the purpose and objective of the qualification. It includes a range of assessment types and styles suited to vocational qualifications in the sector. There are three main forms of assessment that you need to be aware of: external, internal and synoptic

Externally-assessed units Each external assessment for a BTEC National is linked to a specific unit. All of the units developed for external assessment are of 60, 90 or 120 GLH to allow students to demonstrate breadth and depth of achievement. Each assessment is taken under specified conditions, then marked by Pearson and a grade awarded. Students are permitted to resit the examination twice.

Internally assessed units are assessed by a Pearson Set Assignment Brief (PSAB), which is set by Pearson, marked by you and subject to external standards verification.

Synoptic assessment requires students to demonstrate that they can identify and use effectively, in an integrated way, an appropriate selection of skills, techniques, concepts, theories and knowledge from across the whole sector as relevant to a key task

Subject Enrichment:

- Use of practical techniques in preparation for University or industry
- University visits

Skills Required:

- Research skills
- Scientific investigation
- Report writing

Course Information:

Key
Externally assessed units
are shown in bold

M

Mandatory
units

O

Optional
units

Unit (number and title)	Unit size (GLH)	Certificate (180 GLH)	Extended Certificate (360 GLH)
1 Principles and Applications of Biology	60	M	M
2 Principles and Applications of Chemistry	60	M	M
3 Principles and Applications of Physics	60	M	M
4 Practical Scientific Procedures and Techniques	90		M
5 Science Investigation Skills	90		O
6 Contemporary Issues in Science	90		O

Transferable skills:

- Managing Yourself
- Interpersonal Skills
- Written communications
- Solving Problems
- Critical thinking
- Problem solving
- Creativity and innovation problem Solving
- Digital Collaboration and Communication
- Transacting Digitally
- Digital Security
- Handling Data Safely and Securely

Future opportunities:

A BTEC National Applied Science provides a strong foundation for further education in a wide range of science and healthcare-related degree courses, such as biomedical science, nursing, physiotherapy, radiography, and forensic science. It also prepares students for apprenticeships or entry-level employment in the science industry as a laboratory or industrial technician

University applications: A BTEC National can be used to gain UCAS points and is accepted by universities, but it is always important to check specific course entry requirements.