



Pearson BTEC Level 3 National Certificate in Applied Science



Welcome to BTEC Science. We are highly regarded department with a successful track record. Level 3 National Diploma in Applied Science at Cardinal Newman School is a demanding course which runs parallel with A level Sciences and provide a different and dynamic route to study all three Sciences at A levels. The course is available at Level 3 which is equivalent to A level but is a combination of formal exams and course work.

Why are BTECs so successful?

BTECs embody a fundamentally learner-centred approach to curriculum, with a flexible, unit-based structure and knowledge applied in project-based assessments. They focus on holistic development of the practical, interpersonal and thinking skills required to be able to succeed in employment and higher education.

How BTECs are assessed?

BTEC Nationals give you a choice of choosing a range of units, be organised and take some assessments that will set and mark and keep a portfolio of assignments. Achievement in the qualification requires a demonstration of depth of study in each unit, acquisition of a range of practical skills required for employment or progression to HE and successful development of transferable skills. Learners achieving a qualification will have achieved across mandatory units, including external and synoptic assessment.

Units are assessed using a grading scale of Distinction(D), Merit(M), Pass(P), Near Pass (N) and unclassified (U). Qualifications in the suite are graded using a scale of P to D*, or PP to D*D*. The relationship between qualification grading scales and units grades will be subject to regular review as part of Pearson's standard.

What do you need to join us?

You would be most likely to be accepted into the course if you have:

- 5 GCSE at good grades, including a minimum of a grade 5-5 (grade 5 in all triple science)
- Grade 4 in English and Grade 5 in maths at GCSE

Where will a BTEC National in the Science sector take me?

You will be ready for a wide variety of degrees in the science sector leading to some exciting career opportunities. For example, you may wish to study a degree in Biomedical Engineering, Chemistry, Environmental Science, Health Sciences, Biomedical Sciences, and many more. Make sure you check the entry requirements for degree programmes, as they can vary.

After studying at degree level in university, depending on your choice or qualification, you will be able to explore careers such as:

- Chemist, Occupational therapist, Forensic Scientist, Biologist Medical Scientist, Physiotherapist

What will the course involve?

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| Pearson BTEC Level 3 National Diploma in Applied Science | 720 GLH (890 TQT) Equivalent in size to two A Levels. 8 units of which 6 are mandatory and 3 are external. Mandatory content (83%). External assessment (46%). | Designed to be the substantive part of a 16–19 study programme for learners who want a strong core of sector study. May be complemented with other BTEC Nationals or A Levels to support progression to higher education courses in applied science. The additional qualification(s) studied allow learners either to give breadth to their study by choosing a contrasting subject, or to give their studies more focus by choosing a complementary subject. |
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What kinds of things you will be studying in BTEC?

You will be studying the following units:

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- Principles and Applications of Science I, II, III
 - Practical Scientific Procedures and Techniques
 - Science Investigation Skills
 - Laboratory Techniques and their Application
 - Investigation Project
 - Physiology of Human Body
 - Industrial Chemical Reactions
 - Medical Physical Applications
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