

Subject: BTEC Level 3 National: Applied Science Extended Certificate

Exam Board: Edexcel

Course Number: 60174365

Course Overview: The Pearson BTEC Level 3 National Extended Certificate in Applied Science is equivalent in size to 1 A Level. Apart from applied science sector specific content, the requirements of the qualification mean students develop the transferable and higher order skills that are highly regarded by both HE and employers. For example, carrying out practical laboratory tasks, planning investigations, collecting, analysing and presenting data, and reviewing and refining the methodology of practical and laboratory based work.

You will also develop other transferable skills such as:

- Working as part of team – this is used extensively in science since many heads are better than one. Larger tasks can be split into smaller tasks mirroring the way you would work in industry.
- Problem solving - you will be set several assignments that require you to analyse the question, find out what you need to do and who you need to consult in order to solve the problem.
- Research skills – you will be expected to research a wide variety of sources including the internet, books and scientific journal articles.
- Organisational skills – a key part of BTEC studies is meeting deadlines and organising your work – as would be expected when working in the sector. IT skills – It is crucial that you are able to use IT skills to complete and organise your work. You will be supported and helped throughout your course to develop these skills.

How is this BTEC assessed?:

Unit Code	Unit Title	Guided Learning Hours	Term when will this be taught (2 yr course)	Assessment Details	Assessment Weighting
1	Principles and Applications of Science90	90	Year 1	90 minute externally assessed examination	25%
2	Practical Scientific Procedures and Techniques	90	Year 1	Internally assessment of students' work produced in relation to 4 Assignment Briefs	25%
3	Science Investigation Skills	120	Year 1/2	Externally assessed practical based task and written task.	33%
8	Physiology of Human Body Systems	60	Year 2	Internally assessment of students' work produced in relation to 4 Assignment Briefs	17%

GCSE grades (minimum) required to enrol on this course:

- 4 -4-4 in Separate Science at GCSE **OR**
4-4 in Combined Science
- 4 in Mathematics
- 4 in English Language

What can I do with this qualification/Post-18 progression opportunities/ university subjects which this course

supports:

There is a wide range of opportunities including degree courses, apprenticeships and careers that this qualification would enable students to access.

Other Subjects which support academic attainment/ complement learning

English and Maths.

Essential Textbook incl ISBN

BTEC National Applied Science Student Book 1
9781292134093

Recommended supplementary resources- websites, blogs, journals:

<https://www.bbc.co.uk/news> [Science and Health tabs]

<https://www.thestudentroom.co.uk> [search by course]

Course specific equipment- include place to purchase and typical cost or estimate:

Lab coat [approximately £15] from "Workwear Ltd" of Honey Pot Lane, Harrow.

Out of lesson learning including trips and visits (cost?):

Related Work Experience placement

Lead Teacher to contact:

Mr Scott

Email: C.Scott@parkhighstanmore.org.uk

Quote from current student- include their name:

I am studying a course that gives me the same UCAS points as an A level but also gives me a chance to develop all the skills employers are looking for.