



Applied Science (BTEC National Award Level 3)

Why you should follow this course

The qualification will give you an understanding of the essential theoretical and practical scientific knowledge, skills and attitudes necessary to begin a professional career in a science industry or move on to Further/ higher Education.

The course consists of three core units plus one specialist unit (to total 360 guided learning hours). The Level 3 Certificate is completed in year 12 and the Extended Certificate in year 13.

What can you do when you have your qualification?

The course provides candidates with progression to the workplace either directly or via study at a higher level. There are a wide variety of prospective careers that candidates could explore with this qualification, for example: Medical Physicist, Medical Laboratory Assistant or Chemist.

For those interested in further study the course can lead onto a range of Further or Higher Education courses. BTEC National qualifications give UCAS points for university applications. They are accepted by over 150 UK universities and higher education institutes for relevant degree programmes either on their own or in combination with A Levels.

Many of our students have gone on to university to study science based subjects such as Nursing, Forensic Science and Food Technology.



For further information please see Mr Ling, Mrs Ling, Mr Anders, Mr Phillips, Miss Kahli or Miss Stewart or e-mail:

science.contact@williamhoward.cumbria.sch.uk

Examination Board: Edexcel

**Qualification: BTEC Level 3 Certificate/
Extended Certificate in Applied Science**

The Certificate is equivalent to one AS Level
The Extended Certificate is equivalent to one A-Level



COURSE CONTENT

Certificate in Applied Science: (Year 12)

- 1. Principles and Applications of Science I**
This is externally assessed through examination.
(50% of award)
- 2. Practical Scientific Procedures and Techniques**
This is assessed through internal coursework.
(50% of award)

Extended Certificate in Applied Science: (Year 13)

This includes study of the above units with the addition of:

- 3. Science Investigation Skills.** This unit is assessed through a written task (Part B) worth 60 marks. The task is set and marked by Pearson and will be completed in one sitting, within a supervised assessment session timetabled by Pearson. The assessment task will assess learners' ability to plan, record, process, analyse and evaluate scientific findings, using primary and secondary information/data. In order to complete the written task in Part B, learners will need to obtain results/observations from the practical investigation in Part A.
- 4. Physiology of Human Body Systems.**
This is assessed through internal coursework.
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The Extended Certificate is assessed through examinations totalling 58% of the final award with the remaining 42% coming from assessed course work.