



BTEC Level 3 National Extended Certificate in Applied Science

Board and Specification: Edexcel, Pearson BTEC Level 3 National Certificate in Applied Science.
Head of Department: Mrs Dorothy Serafini (d.serafini@cwlc.email)

Subject specific entry requirements:

- Grade 4 in each of the three science if studying Triple Science
- Minimum grade 5-4 in Combined Science where Triple Science is not taken
- Grade 4 in English Literature and/or English Language
- Grade 4 or above in GCSE Mathematics

What skills are required of students?

Ability to follow instructions to complete practical work, carry out research and study independently, ability to use ICT to present your work, and communication skills to allow you to work industrial settings.

Course details

Depending on the size of qualification you choose, topics you could study include:

- Practical scientific procedures and techniques
- Science investigation skills
- Laboratory techniques and their application
- Principles and applications of science
- Biomedical science
- Physical science
- Analytical and forensic science
- Investigative project
- Contemporary Issues in Science

Modules titles and codes:

From the start of the course you will work towards the new Level 3 BTEC Extended Certificate in Applied Science. This is comprised of four units:

Unit 1: Principles and Applications of Science

Unit 2: Practical Scientific Procedures and Techniques

Unit 3: Science Investigation Skills

Unit 8: Physiology of the Human Body Systems

Units 1 and 3 are externally assessed and the exams are first taken in June 2022. This allows for potentially two resits, one in January 2023 and the other in June 2023.

Units 2 and 8 are internally assessed and completed during year 13.

What kinds of work will you do in class and at home?

- Following instructions to carry out practical work and then writing up that work including presenting the results clearly, processing the results by drawing graphs and carrying out calculations, drawing conclusions from the results and analysing and evaluating the results.
- You will design experiments to test hypotheses and to commit to memory definitions.
- Support will be given with more than one teacher available to explain these new concepts in a different way that may aid understanding. Small groups should allow staff to give regular individual help during lessons.
- In year 13 you will be asked to produce notes at home and bring them to lessons to either annotate them or use them to answer exam questions. This maximises the learning time during lessons. This may be introduced into year 12 also.

What other A/AS-levels does your subject connect well with?

Biology, Chemistry and Physics.

What types of university course will be helped by this A-level?

You could go on to work in many fields, including food science, forensic science, geoscience, life sciences, marine biology, meteorology, midwifery, nursing, physiotherapy, teaching.

In 2015, over 25% of the students entering university in England did so with a BTEC.