

Applied Science BTEC

Level 3 Applied Science qualifications are suitable for a wide range of learners. They offer an alternative to more traditional qualifications, combining the best mix of academic and vocational methods of learning. Level 3 vocational courses enable you to progress to university and other Higher Education Institutions.

Our main aim is to make the course student centred, in general you will be learning through investigation and active involvement. You will have a great deal of responsibility for your own learning.

You will develop and enhance the skills that you already have as well as relating your learning to real-life situations. The qualifications have been developed to provide specialist work-related qualifications in a range of areas. The courses offered are practical and will give you the opportunity to complete assignments and activities based on realistic situations linked to working environments. Your knowledge and understanding will also be tested in externally assessed examinations.

Level 3 Vocational Science courses (360 GLH) are equivalent to one A Level.

ASSESSMENT and CONTENT

Extended Certificate in Applied Science: the course is structured into two years and includes coursework and externally set examinations.

Year 1 includes:

Unit 1 - Principles and Applications of Science. This unit is assessed through an examination worth 90 marks and a total of 2 hours, undertaken in three timed sessions of 40 minutes for each of Biology, Chemistry and Physics.

Unit 2 - Practical Scientific Procedures and Techniques. This unit is coursework based and you will be introduced to quantitative laboratory techniques, calibration, chromatography, calorimetry and laboratory safety, which are relevant to the chemical and life science industries.

Year 2 includes:

Unit 3 - Science Investigation Skills. You will cover the stages involved and the skills needed in planning a scientific investigation: how to record, interpret, draw scientific conclusions and evaluate. This unit will be assessed through a written task worth 60 marks lasting one hour and 30 minutes.

Unit 8 - Physiology of Human Body Systems. In this unit you will focus on the physiological make up of three human systems (musculoskeletal, lymphatic and digestive), how the systems function and what occurs during dysfunction.

The course requirements...

A Merit in BTEC First Extended Certificate/Diploma Applied Science or Grade 5 in GCSE Separate Sciences or Trilogy Science and Grade 5 in English and Mathematics