

BTEC SCIENCE



CANNOCK CHASE HIGH SCHOOL
A C H I E V E M E N T F O R A L L

Course:

Edexcel BTEC Level 3 Certificate in Applied Science

Edexcel BTEC Level 3 Extended Certificate in Applied Science

Entry Requirements:

A minimum of grade 5 in GCSE Combined science or at least grade 5 in each of the separate GCSE sciences Biology, Chemistry and Physics. Also a minimum of grade 5 in GCSE English and Maths is required.

Aims of the Course:

The Edexcel BTEC qualifications in this specification are a suite of qualifications that reflect aspects of employment within science organisations or organisations that use science and enable learners to develop practical scientific skills. These qualifications will appeal to learners who prefer portfolio-based assessment covering a variety of scientific investigations.

Units within the qualification cover areas of laboratory science, forensic science, medical science, environmental science and biological, chemical and physical science to provide a route to employment in the science industry or within organisations that use science.

Course Content:

There are two mandatory units in the Edexcel BTEC Level 3 Certificate in Applied Science.

Unit 1 Principles and Applications of Science; Unit 2 Practical Scientific Procedures and Techniques.

The Edexcel BTEC Level 3 Extended Certificate in Applied Science is a 360 guided learning hour (GLH) qualification that consists of three mandatory units (two of which, Units 1 and 2, are covered in the Certificate course) plus an optional unit. These optional units will vary from year to year depending on staff specialisms but will aim to offer a broad range of science. The three mandatory and one optional units together form a course which is broadly equivalent to 1 full A level.

Assessment:

All assessment is carried out through a combination of internally set assignments, exam board set tasks and written exams as follows:

Certificate:

Unit 1 Principles and Applications of Science (written external examination)

Unit 2 Practical Scientific Procedures and Techniques (internally assessed assignments)

Extended Certificate:

Unit 3 Science Investigation Skills (externally set task)

Optional Unit (internally assessed assignments)

Career Opportunities:

The BTEC course prepares for real jobs in the Science industry. These can include roles such as: working as a quality control technician/analyst; ICT and data interpretation; working in a hospital as a medical physics technician supporting the use of X-ray and other imaging/scanning equipment; working in a research laboratory in the development of new drugs; managing projects that include setting up apparatus, measuring and handling chemical substances; working in the chemical industry, involved with testing materials; working with the forensic science service or using their analytical skills in the chemistry industry.

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