BTEC Science

CANNOCK CHASE HIGH SCHOOL
ACHIEVEMENT FOR ALL

Course:

Edexcel BTEC Level 3 Alternative Academic Qualification (AAQ). Btec National in Applied Science (Extended Certificate)

Entry Requirements:
Grade 5 or above in GCSE Combined science or Grade 5 or above in each of the separate GCSE sciences Biology, Chemistry and Physics. Also a minimum of Grade 4 in GCSE English and Grade 5 in maths is required.

Aims of the Course:

The Level 3 Alternative Academic Qualification Btec National in Applied Science (Extended Certificate) is designed for post-16 students with an interest in science and aiming to progress to higher education as a route to graduate level employment.

Equivalent to one A-Level in size, it is suitable for students looking to develop their applied Knowledge and skills in science alongside A- level study.

Course Content
The Qualification has four mandatory units (the same content of which is covered in separate science A-levels) covering the following topics: Principles of and Applications of Biology, Principles and Applications of Chemistry, Principles and applications of Physics and Practical Scientific Procedures and Techniques. Students will study a fifth optional unit in Science Investigation skills.

Assessment:
The first three units (that focus on Aspects of Biology Chemistry and Physics Knowledge and application) are assessed through three separate external examinations. The fourth mandatory, and the fifth optional units are assessed through internally marked board set assignments.

Career Opportunities:

As well as gaining an understanding of the key concepts and skills from the mandatory units, students will also develop skills in laboratory techniques, critical thinking, scientific research, analysis and evaluation. All of this will lead to progression to further education courses such as degrees in Nursing, Applied Sport and Science, and Biochemistry for example. BTEC course also 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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