



# Applied Science

**Course Title**

Applied Science

**Awarding Body**

Edexcel

**Course Level**

BTEC Level 3 National  
Extended Certificate 2  
Years

**Course Description**

The BTEC Level 3 Certificate and Extended Certificate in Applied Science are vocational qualifications. The course is designed to give learners the knowledge, understanding and technical skills to prepare them for employment or to continue their study in higher education. The content is divided up into manageable sized topics allowing the learning of new and existing concepts to be secured before developing the skill of application. This style of course will enable to learners who prefer portfolio-based assessment; students will have to be committed throughout as the grading is through continuous assessment.

**Course Content**

The course requires students to study aspects of Biology, Chemistry and Physics. The course develops students' scientific knowledge and practical skills, as well as introducing new areas. Over the year students will study modules in: Fundamentals of science, Scientific Practical Techniques, Scientific Application and Physiology of Human Body Systems.

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Students completing the extended certificate must also complete a Science Investigation Skills unit and Unit 8: Physiology of Human Body Systems.

**Assessment**

Principles and applications of Science (Unit 1) consists of 3 equally weighted 40 minutes written exams set and marked by Edexcel. There are 4 assignments in the first year as part of Unit 2; Scientific Practical Techniques and these units make up Year 1. In the second year there are a further 3 assignments as part of Unit 8 Physiology of Human Body Systems. Students will also complete a 3-hour practical assessment and 90-minute written exam for unit 3; Science Investigation Skills.

There are 4 assignments in the first year and a further 4 assignments in the second year.

**Progression Routes**

BTEC Level 3 Certificate and Extended Certificate in Applied Science is a good academic option which combines well with many other subjects, science and non-science based. The course can lead to employment within a science laboratory environment or can be used as a steppingstone into a whole range of careers, e.g. lab technician, forensic scientist, botanist, and medical physicist.

**Entry Requirements**

To allow success in this interesting and challenging course student are required to have an entry of at least a level 5 at GCSE Science or a Distinction in BTEC Science, with the additional of at least a level 5 in GCSE Maths.