

BTEC National Level 3 Extended Certificate/ Diploma in Applied Science



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THE MILTON
KEYNES ACADEMY
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Description:

The vocational course is available to any student, whether or not you have studied BTEC Applied Science previously.

BTEC's are qualifications that are designed to provide specialist work related qualifications in a range of sectors. They give learners the knowledge, understanding and skills that they need to prepare them for employment.

The aims of the course are for students to develop experimental, analytical and evaluate skills through practical work. Learners will complete several assignments in which their analytical and evaluation skills will be assessed.

Learners will develop personal skills in the areas of team working, communication and problem solving. They will also develop skills in:

- Planning, organising and initiative skills.
- Independent, teamwork and communicative skills.
- Decision making and problem solving.
- Analytical, evaluative and critical thinking skills.
- Time management and practical skills

Career paths:

A qualification in Applied Science provides students with a wide range of transferable skills, which are important in many career fields. This qualification is ideal for learners who want to progress to university or into employment. Employment opportunities include a wide range of science based jobs and also those within the legal, civil and police services.

A BTEC in Applied Science can lead to a career in:

- Health Care Assistant
- Research Scientist
- Forensic scientist
- Nurse
- Health care administrator
- Teacher

Entry Requirements:

4 GCSEs 9-4 (or equivalent), including minimum grade 5 in English & Maths and minimum grade 5 in Combined Science GCSE.

Course details & Assessment:

There are exams now in place on this course as well as controlled tasks which are assessed externally. Assessment is also made up of coursework. You will produce a portfolio of evidence showing that you have met the assessment objectives. This will be evidenced through practical assignments, oral presentations/ practical demonstrations, written reports and project work. Submission deadlines are set throughout the year and must be adhered to. You will need to ensure that you are organised and enjoy spending time working through a range of individual tasks.

- The BTEC Extended Certificate in Applied Science will lead to the equivalent of one A Level
- The BTEC Diploma in Applied Science will lead to the equivalent of two A Levels and requires 8 units to be studied over 2 years.
 - Pass is equivalent to an E at A Level
 - Merit is equivalent to a C at A Level
 - Distinction is equivalent to an A at A Level
 - Distinction* is equivalent to an A* at A Level

Unit 1- Principles and Applications of Science 1	External exam
Unit 2 – Practical Scientific Procedures and techniques	Internal Assignment
Unit 3 – Science Investigation Skills	Externally assessed
Unit 4 – Laboratory Techniques and their Application	Internal Assignment
Unit 5 - Principles and Applications of Science 2	External exam
Unit 6 – Investigative Project	Internal Assignment
Unit 8 - Physiology of Human Body Systems	Internal Assignment
Unit 9 – Human Regulation and Reproduction	Internal Assignment



For more information about Science see Mrs Glanvill/ Mrs Cowap-Whiskin .
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