

BTEC National Extended Certificate in Applied Science

Examination Board: EDEXCEL

Who should take the course?

BTEC Applied Science offers students a chance to study a broad and varied array of science topics set in a range of different contexts, with a particular focus on the world of work. It is aimed at students who are interested in all areas of science and who wish to pursue a future career in applied science. Although the BTEC course in Applied Science provides a wide understanding of several applications of science it does not form a basis for further academic study of science. It does, however, provide an excellent basis for further vocational study of science either through an apprenticeship or as part of a larger suite of vocational qualifications. BTEC science students must be highly motivated and have excellent attention to detail; they must be independent learners as a large portion of the course is based on self-directed learning.

What is the course about?

During the two year course the following areas of Applied Science will be studied:

Principles and Applications of Science
Practical Scientific Procedures and Techniques
Science Investigation Skills.

In addition learners will complete an optional unit from amongst the following topics:

Physiology of Human Body Systems
Human Regulation and Reproduction
Biological Molecules and Metabolic Pathways
Genetics and Genetic Engineering
Diseases and Infections
Applications of Inorganic Chemistry
Applications of Organic Chemistry
Electrical Circuits and their Application
Astronomy and Space Science

How is it assessed?

The course is assessed in a variety of different ways. Students will complete assignments which include a series of tasks set in a work-related scenario. They will generate authentic evidence, drawing on their knowledge and skills to complete a practical project over a period of time, working either individually or in a team. Externally marked tasks which consist of the students completing an experiment under timed conditions, and then a written task based on their findings. There is also one unit assessed in an externally set and marked exam, all students are required to pass this in order to be awarded the qualification.

For further information please contact allash@monkswalk.herts.sch.uk

Achievement Through Partnership
Bishop's Hatfield Girls' School, Monk's Walk School, Onslow St Audrey's School,
Stanborough School, Sir Frederic Osborn School