



Applied Science BTEC



Overview

BTEC Applied Science is a practical work related course. Students learn by completing assignments and tasks that are based in realistic workplace situations. This course will give learners an insight into the fascinating and intriguing world of science. The student will also develop general scientific skills and techniques alongside increasing their scientific knowledge. This course helps students develop personal attributes such as communication, ICT and numeracy skills that are essential for successful performance in higher education or working life.

Assessment

The course is assessed by case studies, assignments, and projects. You should enjoy and be good at **working independently** and meeting deadlines, solving problems and researching information from new sources. The qualification will have an overall of Pass, Merit or Distinction calculation on the total points achieved from internal and external assessment.

The Edexcel BTEC Level 3 National Extended Certificate in Applied Science is a 360 guided learning hour (GLH) qualification that consists of **three mandatory units and one optional unit**.

In Year 12, students take two compulsory units:

- Principles and Applications of Science I (exam - externally assessed)
- Practical Scientific Procedures and Techniques (internally assessed)

In year 13, the student adds two further units to those already taken; **one further mandatory unit**:

- Science Investigation Skills (synoptic set task - externally assessed)

one further optional unit (internally assessed) from:

- 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

Exam Board



Specification

BTEC Level 3 National
Extended Certificate in
Applied Science (NQF)

<http://qualifications.pearson.com/en/qualifications/btec-nationals/applied-science-2016.coursematerials.html#filterQuery=category:Pearson-UK:Category%2FSpecification-and-sample-assessments>

Subject Specific Entry Requirements

Grade 5 in at least 1 GCSE science having taken the higher tier paper (Core Science / Additional Science / Biology / Chemistry / Physics). Grade 4 in GCSE Mathematics. Students will also be required to write clearly, think logically and be able to apply their science knowledge to real life scientific situations.

Progression and Career Opportunities

This course gives students a base to progress to a degree or Higher Education studies in Applied Biology, Chemistry, or other Applied Sciences or alternatively to enter a career as a science technician in many areas.