

# BTEC National Foundation Diploma in Applied Science Level 3



## Course Details and Assessment

This specification is designed to build on the knowledge, understanding and skills developed during the GCSE Science courses in Biology, Chemistry and Physics. The course is designed to have a flexibility in the unit-based structure and knowledge applied through project-based assessments.

### The course will cover the following topic areas:

In year one you will study Principles and applications of Science and Science Investigation Skills.

In year two you will study Practical scientific procedures and techniques, Laboratory techniques and their procedures, Physiology of human body systems and human regulation and reproductions.



## How is the course assessed?

### Year One

#### Unit 1

1.5 hours - exam (25%)

Section A - Biology

Section B - Chemistry

Section C - Physics

This paper includes multiple choice, calculations, short answer and open response questions (90 Marks in total)

3 hour practical & 1.5 hour task (33%)

Externally marked practical followed by a task two weeks later. The paper includes calculations, short answer and open response question.

**Grading - Pass, Merit, Distinction or Distinction\***

### Year Two

#### Unit 2: Practical Scientific Procedures and Techniques

Coursework based, worth 18% of final grade  
Students carry out, analyse and evaluate a range of experimental procedures.

#### Unit 4: Laboratory techniques and their application

Coursework based worth 18% of final grade  
Students investigate how chemicals are used in the lab and compare this with industrial processes.

#### Unit 8: Physiology of Human Body Systems

Coursework based worth 12% of final grade  
Investigate the musculoskeletal, lymphatic and digestive systems and evaluate treatments for when they go wrong.

#### Unit 9: Human regulation and reproduction

Coursework based worth 12% of final grade  
Investigate the cardiovascular, homeostatic and reproductive systems and analyse and evaluate medical treatments.

*"It is a great course because you can do all three sciences and apply it to real life."*

# BTEC National Extended Certificate in Applied Science Level 3



## Where can BTEC Applied Science lead me?

A Level 3 qualification in Applied Science is perfect for students looking to work in the medical sector, be it as a Clinical Scientist, Nurse or in Childcare. It provides an ideal experience to prepare them for the courses offered by Universities, with both a portfolio of work and an exam.

## Possible careers include...

**Medical Sector - Social Care - Nursing  
Teacher - Childcare - Child Studies - Research**

## What key skills do I need?

It is an excellent opportunity for candidates to improve their employability skills such as:

- Teamwork
- Communication
- Project work; ensuring that the students are able to work to deadlines on the latest industrial practices

### Entry Requirements

To be able to stud BTEC Applied Science, you must achieve:

- GCSE grade 4&4 in Science
- GCSE grade 5 in Maths
- GCSE grade 5 in English

### Exam Board

Pearson (EDEXCEL)



**Still got questions?**



**Speak to Dr Lally for more information**

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