



# Applied Science BTEC

A course for the curious, hardworking and vocationally minded. Great to take alongside A Levels.

## Course Content

### 1. Principles and applications of science –

Assessed through 3 short 40min external exams. Covers a small selection of topics in Biology, chemistry and physics to A level standard.

### 2. Practical Scientific Procedures and Techniques

Assessed through 4 assignments

The 4 assignments are:

- a) Titration and colourimetry
- b) Cooling curves
- c) Chromatography
- d) Personal development

### 3. Science Investigation Skills

Assessed through 2 hour exam. – This unit covers how science is carried out in 5 main areas, circuits, diffusion, enzymes, plants and fuels.

### 4. Human regulation and reproduction

Assessed through 3 assignments

- a) The control of heart rate and breathing rate by the nervous system
- b) Homeostasis – including water, sugar and temperature
- c) Reproduction – including oogenesis and spermatogenesis



## Entry Requirements

GCSE Science Grades 5/5

## How will I learn?

Today's BTEC Nationals are demanding, as you would expect of the most respected applied learning qualification in the UK. You will have to choose and complete a range of units, be organised, take some assessments that we will set and mark, and keep a portfolio of your assignments. But you can feel proud to achieve a BTEC because, whatever your plans in life – whether you decide to study further, go on to work or an apprenticeship, or set up your own business – your BTEC National will be your passport to success in the next stage of your life. Good luck, and we hope you enjoy your course.

## How will I be assessed?

2 main exams – worth 60%

7 written assignments – worth 40%

## Which awarding body is the course validated by?

Pearson BTEC

## What qualification will I receive?

BTEC extended certificate – worth equivalent of 1 A level

## What can I do with this qualification? (ie. University courses and potential career paths)

Designed for learners who are interested in learning about the sector alongside other fields of study, with a view to progressing to a wide range of higher education courses, not necessarily in applied science. To be taken as part of a programme of study that includes other appropriate BTEC Nationals or A Levels.

