

## Subject Title BTEC Level 3 National Extended Certificate in Applied Science

### Overview:

Exam Board: Pearson

This course offers students the opportunity to develop a wide range of practical skills that are valuable in the work place. If you wish to study or work in any part of the science industry then this course offers the appropriate experience and skills. Students will need to be well organised and good at working to deadlines. As this is a vocational course, there will be opportunities to take part in external visits and workshops including a field trip to Padley Gorge and university lab sessions.

### Content:

The course involves a combination of internally and externally assessed components. The first year includes written assignments; these are based around a variety of scientific practical techniques. There is also an external exam covering chemistry, biology and physics. The second year will include an externally assessed exam based on different aspects of scientific investigation skills and techniques. There will also be another unit of written assignments based on a variety of disorders affecting the human body and their treatments. The units are listed below:

Unit 1: Principles and Applications of Science I (exam 25%)

Unit 2: Practical Scientific Procedures and Techniques (assignments 25%)

Unit 3: Science Investigation Skills (exam 33%)

Unit 8: Physiology of Human Body Systems (assignments 17%)

### Entry Requirements:

You will need a grade 5 in Science or a Merit grade at BTEC science level 2. Students will need to be enthusiastic and have a keen interest in the applications of Biology, Chemistry and Physics. You must have good time management, organisation and an ability to work independently in order to succeed on this course.

### How Assessed:

1 exam in January year 1 and 1 exam in January of year 2 plus opportunity to resit in summer

Coursework 4 assignments in Year 1 and 4 assignments in year 2

### Progression:

You will gain a wide array of lab practical skills that are directly transferable into the work place. BTEC level 3 courses offer the equivalent UCAS points as A-Level subjects. This qualification can therefore

offer higher education opportunities in a variety of professions such as nursing, veterinary nursing, pharmacy, zoo biology and radiography as well as the food and drink industry or environmental health. Skills would also be gained that could lead to employment in a hospital laboratory, research laboratory or college.