

Vocational



**Level 3**  
Extended Diploma  
in Applied Science

**NELSON & COLNE**  
**COLLEGE**

SIXTH FORM

**DURATION**

2 YEARS

**STUDY TYPE**

FULL-TIME

**START DATE**

SEPTEMBER 2020

**VOCATIONAL ENTRY REQUIREMENTS**

5 GCSEs at grade 4 or above including Mathematics, English and Double Award Science, or a Level 2 equivalent in this area and GCSE Mathematics and English.

**Description**

You will continue a broad, yet in depth study of Biology, Chemistry and Physics which will give you a range of skills and knowledge applicable to various science based degree programmes, Apprenticeships and careers before specialising in Year two.

**What you learn:****Year 1 - Units will include:**

- Fundamentals of science
- Working in the science industry
- Scientific investigation
- Scientific practical techniques
- Perceptions of science
- Using maths tools in science
- Informatics for science
- Science in the workplace
- Physiology in human body systems
- Chemistry for biology technicians

**Year 2 -** In Year 2 you will study the following units, as well as units that are more specific to your chosen career path:

- Physiology of human regulation and reproduction
- Microbiological techniques
- Medical physics
- Genetics and genetic engineering
- Practical chemical analysis
- Chemical lab techniques

**Option 1 - Analytical and Forensic Science - specialist units:**

The police and law courts rely heavily on evidence extracted by scientists in the forensic industry. This is an interesting and challenging vocational route where you will study forensic evidence collection and analysis, forensic fire investigation and criminal investigation practices.

**Option 2 - Bio-Medical Science - specialist units:**

If you are interested in working in the medical industry, this is an ideal vocational route. Throughout your second year there will be a greater emphasis on the understanding of biochemistry, biomedical science techniques, diseases and infections.

**How you will be assessed:**

You will be assessed by written assignments in each unit. They are graded Pass, Merit or Distinction. For every assignment you will receive an assignment brief which will clearly outline what you have to do for the assessment and how you can achieve your grades. On the BTEC Extended Diploma your final qualification will show three grades e.g. D\*D\*D\*, DMM, MMP. The three grades reflect the fact that your BTEC Diploma is equivalent to 3 A Levels. Progression onto HE requires a minimum MMM grade profile.