



St Paul's Catholic School

BTEC LEVEL 3 NATIONAL EXTENDED CERTIFICATE IN **APPLIED SCIENCE**

Entry Requirements

At least a grade 4/4 in Double Science

Specification

We follow the Level 3 Extended Certificate in Applied Science course:

<https://qualifications.pearson.com/content/dam/pdf/BTEC-Nationals/Applied-Science/2016/specification-and-sample-assessments/BTEC-L3-Nat-ExtCert-in-Applied-Science-Spec.pdf>

The Level 3 Applied Science course gives you the opportunity to explore both the practical and theoretical concepts across the Biology, Chemistry and Physics. There is a combination of assignments and external exams which allow the development of practical based skills. This course provides the opportunity for students to venture into many pathways, which could include: Pharmacy, Midwifery, Biomedical Science, and Chemistry. This course is equivalent to an A Level and will count for UCAS points for many types of degrees.

Course Overview

The Extended Certificate in Applied Science is split into four key units across the two years of the course, with Units 1 and 2 in Year 12 and Units 3 and 12 in Year 13:

- Unit 1: Principles and Applications of Science – this is split into three subject areas:
 - Biology – Cells and Tissues
 - Chemistry – Periodicity and Properties of elements
 - Physics – Waves (including waves in communication)
- Unit 2: Procedures and techniques:
 - Titrations and Colorimetry
 - Chromatography
 - Professional Practice
- Unit 3: Science Investigation Skills: Enzymes
 - Diffusion
 - Plants
 - Energy in Fuels
 - Circuits
- Unit 12: Diseases and Infection
 - Types of diseases and infections
 - Transmission of infectious diseases
 - Treatment & management of infectious disease
 - Response to infectious disease

Assessment for the Extended Certificate in Applied Science:

- Unit 1 (90 Credits): External exam (2 hours – 3 x 40 min exams – Jan/Feb & May/June)
- Unit 2 (90 Credits): Assignments (Internal submission)



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• Unit 3 (120 Credits): External exam (45 min Part A, 1 hour 30 min Part B – Jan/Feb & May/June)

• Unit 12 (60 Credits): Assignments (Internal submission)

Board & Course Details: Pearson: Level 3 Extended Certificate in Applied Science

For further information please, contact Miss Patrick, Mrs Shakespeare, Mr Morbey or Mrs Bali