

POST-16 COURSE OVERVIEW

APPLIED SCIENCE

QUALIFICATION	AWARDING BODY	COURSE LENGTH
Pearson Level 3 Alternative Academic Qualification BTEC National in Applied Science (Extended Certificate)	Pearson	2 years

COURSE OVERVIEW

The Level 3 AAQ Applied Science is a practical and investigative course for students who are interested in Biology, Chemistry and Physics and want to explore how science is applied to the real world. Students will develop their practical, analytical and research skills while studying a broad range of scientific topics. The course provides opportunities to learn in real, relatable and practical ways to ensure you develop the critical knowledge and transferable skills you need for the future.

WHAT WILL I STUDY?

KEY CONTENT	ASSESSMENT
• Unit 1: Principles and applications of biology - Covers key concepts in. Topics covered include plant and animal cells and tissues, including specialised cells, along with investigating biological molecules. • Unit 2: Principles and applications of chemistry - Fundamental principles of Chemistry will be explored, including atomic and electron structure, bonding and intermolecular forces, as well as kinetics and energetics. • Unit 3: Principles and applications of physics - This unit delves into essential Physics concepts, covering topics such as waves, circuits, and energy transfer. • Unit 4: Practical scientific procedures and techniques - This unit includes practical activities across all three sciences. • Unit 6: Contemporary issues in science - Current scientific issues and their impact on the world will be explored, developing analytical skills across a broad spectrum of topics while examining how they are represented in the media.	• 50% externally assessed / 50% internally assessed. • Units 1, 2 and 3 a 270 GLH externally assessed. Three written exams covering Key Concepts in Science: core concepts of Biology, Chemistry, and Physics. Tests theoretical understanding and the ability to apply scientific knowledge. • Units 4: One of two coursework units: Students will conduct six mandatory practicals across biology, chemistry, and physics and produce a portfolio of their work • Unit 6: Second of two coursework units: Students will produce a portfolio of work where they will explore current scientific issues and their impact on the world examining how they are represented in the media.

WHERE COULD THIS COURSE TAKE ME?

This course supports progression to **university, apprenticeships and many science-based industries**, including biology, chemistry, environmental Science, forensic Science, biomedical Science, pharmaceutical Science, engineering.

KEY CONTACT

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