

# Applied General Certificate in Science Level 3

## Qualification Aims and Objectives

This new vocational qualification builds on the skills and ideas developed at GCSE. Students will study how science plays a role in industry whilst developing key skills relevant to future careers.

The aims of this course are:

- To acquire knowledge and understanding of the scientific ideas and skills that scientists need in order to be effective in their work and to apply this in a variety of vocational contexts.
- To become skilful in carrying out practical techniques and following procedures used in vocational contexts.
- To understand the nature of science-based work and the contribution this use of science makes to society.

## Course Outline

There are five mandatory units:

- Unit 1: Key concepts in science – externally assessed via a written exam.
- Unit 2: Applied experimental techniques – internally assessed coursework.
- Unit 3: Science in the modern world – externally assessed via a written exam with pre-released material.
- Unit 4: The human body – externally assessed via a written exam.
- Unit 5: Investigating science – internally assessed via the creation of a portfolio.

Plus one optional internally assessed unit which will be either microbiology, medical physics or organic chemistry.

This new Level 3 Certificate in Applied Science replaces the popular A-level course and allows learners the opportunity to study and understand the core principles and practical applications that underpin applied science. The qualification's synoptic focus will ensure that learning is coherent across all three units.

This subject develops skills highly sought after in many careers. Analytical thinking, problem solving and the ability to back opinions with evidence are relevant to many other subjects and Applied Science is a good starting point for careers in industry and the health service.

The course focuses on how science applies to the world of work and students will develop technical skills that are used in industry. This qualification is supported by a range of universities, and taken alongside other qualifications can fulfil the entry requirements for a number of science-related courses.



## Entry Requirements

Minimum of 5 9-4 grades in GCSE examinations including English and Maths.

## Future courses & possible careers

- Biomedical
- Forensic
- Sports Science
- Nursing
- Radiology

**Contact: [parminder.matharoo@wilmingtonacademy.org.uk](mailto:parminder.matharoo@wilmingtonacademy.org.uk)  
Science Faculty**