

# Applied Science

## Level 3 Certificate and Extended Certificate

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### Course Outline:

This qualification offers a context based A Level course that incorporates practical aspects of all three scientific disciplines. Topics covered include applied experimental techniques and science in the modern world, undertaking a scientific investigation, and optional units in biology, chemistry and physics.

This qualification will provide you with a broad understanding of vocationally-related sciences to support progress to higher education. It is suitable for studying alongside substantial academic science qualifications, such as A Level sciences or other Level 3 vocational qualifications. This qualification can also prepare you to take up employment in the applied science sector, either directly after achieving the qualification or via higher education. Studying this qualification will enable you to develop your knowledge and understanding of scientific principles, as well as those scientific practical skills recognised by higher education institutions and employers to be most important. The qualification also offers you an opportunity to develop transferable skills such as problem-solving, research and communication as part of your applied learning.

Each unit within the qualification has an applied purpose which acts as a focus for the learning in the unit. The applied purpose demands authentic work-related learning in each of the units. It also requires you to consider how the use and application of your learning affects themselves, other individuals, employers, society and the environment. The applied purpose will also enable you to learn in such a way that you develop:

- skills required for independent learning and development
- a range of generic and transferable skills
- the ability to solve problems
- the skills of project-based research, development and presentation
- the ability to apply mathematical and ICT skills
- the ability to apply learning in vocational contexts.

### Assessment

A mixture of internal and external assessment means you can apply your knowledge in a practical way.

### Additional Considerations

This qualification is supported by a range of universities, and taken alongside other qualifications it can fulfil the entry requirements for a number of science-related higher education courses, including biomedical, forensic and sports science, as well as nursing.

### Entry Requirements:

Grade 4 in Combined Science or an average of Grade 4 in Triple Science at GCSE.