

## Applied Science AAQ

The AAQ (new BTEC qualification) in Applied Science is equivalent to one A Level. The course covers a variety of scientific modules including: the basic topics in science, practical techniques, laboratory skills, scientific investigations and analysing scientific data. It is suitable for students who want to study Science in a more practical, applied way and offers a clear route into university and science-based careers.

Our aim is to keep the course student-centred, encouraging active participation and investigation. You will take responsibility for your learning through independent research, experiments and application of scientific theory to real world scenarios.

You will continue developing key skills such as analysis, problem-solving and communication, while building a strong understanding of Biology, Chemistry and Physics. The course combines internal coursework with external exams, mirroring real professional and academic expectations.

The qualification is equivalent to one A Level (360 GLH) and fits within a typical study programme alongside other A Levels.

### ASSESSMENT AND CONTENT

The Extended Certificate is taught over two years and includes both internal coursework and external exams.

Year 1 includes:

Unit 1 – Biology: Cell structure, biological molecules, enzymes, tissues and homeostasis. (External exam – 1 hour, 50 marks)

Unit 2 – Chemistry: Atomic structure, bonding, energetics, rates, equilibrium and organic chemistry. (External exam – 1 hour, 50 marks)

Unit 3 – Physics: Waves, motion forces, electricity and real-world applications. (External exam – 1 hour, 50 marks)

Year 2 includes:

Unit 4 – Practical Skills: Lab-based techniques like chromatography, colorimetry and microscopy. (Internal assessment – Pearson Set Assignment)

Unit 5 – Science and Investigation Skills: (Internal assessment – Pearson Set Assignment)

*The course requirements...*

*A Grade 5 in GCSE Separate Science or Trilogy Science and Grade 5 in English and Mathematics*