

Applied Science

Exam Board: EDEXCEL

The BTEC level 3 extended certificate is a practical, work-related course. Students learn by completing assignments that are based on realistic workplace situations, activities and demands, alongside more traditional teacher led sessions. It is equivalent to one A Level.

Minimum Entry Requirements

- A minimum of 6 A* to C grades at GCSE. This must include **CC** grades in double science (2 of the three papers at higher tier) or **CCC** grades in triple science (higher tier). **C** grades in English and Mathematics are also required due to the high literacy and numeracy demands of the new specification.

If you have any queries, please contact Mr A Cummings (Head of Department).

Year 12

Unit 1 Principles and applications of science

- This unit covers the key science concepts in biology, chemistry and physics and gives students a good base of knowledge to move forwards. It is examined externally with three 40-minute papers (one for each discipline) sat in the summer series.

Unit 2 – Practical scientific procedures and techniques

- This unit covers a series of important practical laboratory techniques and will cover the second half of year 12.
- Assessment is internal with students completing a series of assignments based on hands on lab work.

Year 13

Unit 3 – Science investigation techniques

- This unit will involve learning about the skills needed to plan a scientific investigation. Class work will be based on investigation skills in all three disciplines and will culminate in an externally marked exam paper.

Unit 4 – Disease and infections

- This is a further internally assessed unit based on assignments that students will complete in the second half of year 13. The context this year will be disease and infection as it is relevant to the real world, but this unit content may change from year to year.

Career Opportunities

- Students who opt for and complete this course may continue into further education in scientific fields, or will use the wealth of skills developed across the course to transition into other fields of study or into the job market.