

Separate Sciences (Triple)* (GCSE)

*Entry for the triple award is dependent on student progress throughout the academic year.

What will I learn about?

Physics:

You will study four Physics topics in Year 10 and four in Year 11 from energy, electricity, particle model of matter, atomic structure, forces, waves, magnetism and electromagnetism and space physics. Students will spend time investigating issues relating to the topics in a practical way where appropriate, and there are eight practicals that students must complete.

Chemistry:

You will study five Chemistry topics in Year 10 and five in Year 11 from atomic structure and the periodic table, bonding, structure and the properties of matter, quantitative chemistry, chemical changes, energy changes, the rate and extent of chemical change, organic chemistry, chemical analysis, chemistry of the atmosphere and using resources. Students will spend time investigating issues relating to the topics in a practical way where appropriate and there are eight practicals that students must complete.

Biology:

You will study four Biology topics in Year 10 and three in Year 11 from cell biology, organisation, infection and response, bioenergetics, homeostasis and response, inheritance, variation and evolution and ecology. Students will spend time investigating issues relating to the topics in a practical way, where appropriate, there are eight practicals that students must complete.

How will my work be assessed?

The qualification is linear, so students will sit all examinations at the end of the course. In Biology, Chemistry and Physics there are two examination papers and each of the papers will assess knowledge and understanding from distinct topic areas. Each paper lasts for 1 hour 45 minutes, is worth 100 marks and 50% of the GCSE and includes multiple choice, closed structured, short answer and open response questions.

What can this qualification lead to?

If you are opting for the separate sciences (Triple Award) you are likely to want to study two or more sciences at A level (Biology, Chemistry and/ or Physics). However, this does not preclude anyone with a keen interest and ability for the subject choosing this pathway even if you are intending to study only 1 science at A level.

This is the route that you should take if you have aspirations of continuing your study in university for veterinary science, medicine, pure sciences, dentistry or another science related discipline.