

SEPARATE SCIENCES

COURSE OVERVIEW

Separate science is an opportunity to study the sciences in more depth. This will be an excellent starting point for A-level sciences (although not essential).

This course is offered to students who have achieved a good level 5 across the 3 sciences or by teacher recommendation in other circumstances. You must be committed to work hard for 2 years and be prepared to work outside the classroom.

For all 3 sciences you will study everything from the trilogy content with extra science added to enthuse and stretch our most-able learners.

KNOWLEDGE & SKILLS DEVELOPED

The broad knowledge of Biology, Chemistry and Physics develops a deep understanding of everything from Atoms, the world around us and the Universe.

Resilience when challenging concepts are being tackled and tenacity to keep asking questions and to make sure you find the answers are absolutely the keys to success.

Excellent literacy and numeracy are developed in scientific contexts to communicate evidence and conclusions clearly. To be able to work safely in the lab and to analyse results and make logical links are also extremely important skills for learning science which are developed across the two years.

Curiosity, critical thinking, organisation, analytical and communication skills are all highly valued by employers. These areas along with the ability to collate and present information will be developed during the course.

“Separate science is an amazing opportunity to go further in depth into some very interesting areas of study. We all really enjoy it and find the extra content challenges us but also helps us really understand the topics.”

Qualification:

Biology: GCSE

Chemistry: GCSE

Physics: GCSE

Awarding Body: AQA

ASSESSMENT METHOD

Examinations:

- All assessment towards your GCSE grades are through terminal exams.
- 6 exam papers in total for the three sciences, 1 hr 45 minutes each.
- Exam papers will have questions on both theoretical and practical work.
- You will be awarded a grade for each of the 3 sciences. These could all be different grades, so any particular strengths can be seen.

POST 16 OPPORTUNITIES AND CAREERS

You will be able to study A-Level Biology, Chemistry or Physics at Kimberley. The ‘gang of four’, includes Maths, chemistry, biology and physics. If you know you would like to do a science-related degree, you’ll need to pick at least two of these when it comes to choosing your A Levels.

Biology – a key subject for careers in healthcare and medicine as well as jobs involving plants, animals and the natural world. Food scientists, horticulturalists, and environmental activist also use biological knowledge in their work.

Chemistry – a key subject for working in the NHS and labs, to technology companies and business.

Physics – a really useful subject for the majority of STEM (science, technology, engineering and maths) careers