

GCSE Separate Science 9-1

What do I need to know before the course?

Students will be following the Edexcel GCSE Separate Science 9-1 course. This course will enable students to:

- Develop scientific knowledge and understanding through the different disciplines of Biology, Chemistry and Physics
- Develop and learn to apply observational, practical, modelling, enquiry and problem-solving skills in the lab
- Develop their ability to evaluate claims based on science through critical analysis of the methodology, evidence and conclusions
- Develop understanding of the nature, processes and methods of Science, through different types of scientific enquiries that help them to answer scientific questions about the world around them

What courses does GCSE Separate Science lead to?

At SWB we offer A Level Biology and A Level Chemistry.

At Key Stage 5, the curriculum builds on knowledge and understanding gained at GCSE, using it as a stepping stone to uncover the inner workings of the natural world.

What careers can GCSE Separate Science lead to?

- Teaching
- Biomedical Sciences
- Health and Social Care
- Food
- Engineering
- Environmental and Health Sciences
- Research Science
- Medical Profession
- Pharmaceutical Industry
- Veterinary Science

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Examination Outline

Students will complete all exams at the end of Year 11 and result in 3 GCSE grades. Students will take 6 exams:

- **Biology Paper 1**
- **Biology Paper 2**
- **Chemistry Paper 1**
- **Chemistry Paper 2**
- **Physics Paper 1**
- **Physics Paper 2**

Each exam will be worth 50% of the GCSE grade, out of 100 marks and will last 1 hour and 45 minutes.

The exams will be a mixture of different question styles, including:

- **Multiple-choice questions**
- **Short answer questions**
- **Calculations**
- **Extended open-response questions.**

Frequently Asked Questions

What's the difference between Combined Science and Separate Science?

Doing Separate Sciences means you will study all the topics studied in Combined Science and a few more across Biology, Chemistry and Physics

Can everyone pick Separate Science as an option?

You can choose to put Separate Science down as one of your options- but due to the high academic demand of the Separate Science course, students who choose Separate Science as an option will be chosen with a recommendation from their Y9 Science teacher.

Do I need a grade 6 in all three sciences at GCSE to do an A Level in Science?

No- you only need a grade 6 or above at GCSE in the Science you want to study for A Level