



## Welcome to the Science Department

### Department Team

Bill Lansbury	Head of Science (Physics specialist)
Scott Tucker	Second in Science (Biology specialist)
Kiri Davies	Teacher of Science (Biology specialist)
Rachel Wong	Teacher of Science (Biology specialist)
Sally Silcock	Teacher of Science (Chemistry specialist)
Emma Pegler	Teacher of Science (Chemistry specialist)
Peter Gingell	Teacher of Science (Chemistry specialist)
Ana Rodriguez	Teacher of Science (Physics specialist)
Jessie Law	Teacher of Science (Physics specialist)
Sarah Wright	Lead Technician
Heather Rogers	Technician
Tamara Demes	Technician
Karen Privett	Technician

We are a team that works together in a collaborative fashion to introduce and embed new strategies and courses. We are looking for someone to join our team who will bring creativity, enthusiasm and dedication to the department as well as a strong commitment to ensuring that all students are given the best start in life. We are on a journey towards Outstanding in all aspects of teaching and learning, but especially in achieving outstanding attainment and achievement for all of the students in our care.

### What are our results like?

GCSE Combined Science 2024 - 58% grade 4-4+  
GCSE Biology 2024 - 100% Grade 4+, 42% Grade 7+  
GCSE Chemistry 2024 - 100% Grade 4+, 57% Grade 7+  
GCSE Physics 2024 - 100% Grade 4+, 61% Grade 7+  
A Level Biology 2024 - 70% A\*-C, 20% A\*-A  
A Level Chemistry 2024 - 75% A\*-C, 50% A\*-A  
A Level Physics 2024 - 70% A\*-C, 30% A\*-A

### Accommodation and facilities

The Science department is accommodated in a suite of 7 laboratories. All laboratories have a smart screen or data projector with speakers and share access to student laptops and fume cupboard facilities. We are well resourced with practical equipment, and practical work forms a key part of our teaching time and ethos.

### What do we believe in?

We are always looking for new ideas as well as reviewing what we already do. Underlying this we have an agreed vision for science:

1. To promote and develop scientific knowledge and reasoning (scientific literacy) for everyone
2. For all students to develop independent learning, enterprise and skills for work
3. To provide opportunities for students to acquire the necessary technical and logical skills to progress to further study in science

### **What happens in the Science Department?**

- Students learn in a variety of ways, experiencing group and individual work as appropriate
- We have a strong emphasis on thinking skills in lessons
- KS3 tasks are linked to DSME criteria
- There is a real focus on developing independent learning
- We try to appeal to a variety of learning styles
- We are committed to assessment for learning
- Students take part in a range of enrichment activities
- We strongly believe in working as a team and helping each other to develop

### **The future**

Our A level uptake in the Sixth Form has grown significantly in recent years. We aim to build on the successes of 2024 with students moving on to study medicine, astrophysics, engineering and other science-based courses.

### **Curriculum information:**

#### **KEY STAGE 3:**

In KS3 Year 7 classes are mixed ability. In Years 8 and 9 Science sets are organised to optimise group dynamics. We cover the national curriculum through Biology, Chemistry and Physics topics incorporating Working Scientifically within each topic. Students are regularly assessed on their skills and knowledge and early intervention where required is key to our success.

#### **KEY STAGE 4**

At Key Stage 4 we are fully committed to a range of personalised courses which include: AQA GCSE Biology, GCSE Chemistry, GCSE Physics taught to approximately 30 students. The remaining students study AQA GCSE Combined Science (Trilogy). Level 1 BTEC in Health and Social Care is an option delivered by Science teachers.

#### **A-LEVEL**

We offer A levels in Biology (AQA), Chemistry (AQA) and Physics (AQA). We generally teach one group of each subject in each year.

### **Come and visit us:**

For an informal chat or to see the department at work, please contact  
Bill Lansbury on 01249 464557 or email [btl@abbeyfield.wilts.sch.uk](mailto:btl@abbeyfield.wilts.sch.uk)