Welcome to the Science Department

Department Team

Sally Silcock	Head of Science (Chemistry specialist)
Scott Tucker	Second in Science (Biology specialist)
Nicola Hathway	Associate Senior Leader (Biology specialist)
Jonathan Pickering	Teacher of Science (Physics specialist)
Emma Pegler	Teacher of Science (Chemistry specialist)
Edward Bouchard	Teacher of Science (Biology specialist)
Peter Gingell	Teacher of Science (Chemistry specialist)
Odu Okuturo-Evans	Teacher of Science (Chemistry specialist)
Kiri Davies	Teacher of Science (Biology specialist)
Sarah Wright	Lead Technician
William Holder	Technician
Heather Rogers	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 - Trilogy 2019 59% Grade 4+. GCSE Biology 97% Grade 4+, 50% Grade 7+, GCSE Chemistry 91% Grade 4+, 38% Grade 7+, GCSE Physics 91% Grade 4+, 38% Grade 7+.

Accommodation and facilities
The Science department is accommodated in a suite of 7 laboratories. All laboratories have a 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
- ICT is used to deliver science education where appropriate
- Students take part in a range of extra-curricular activities including our very successful rocket club
- We strongly believe in working as a team and helping each other to develop

The future
We aim to grow our A level uptake in the Sixth Form. The Level 3 BTEC Health and Social Care has been very successful and a Level 1 course is offered at KS4.

Curriculum information:

KEY STAGE 3:
In KS3 Year 7 classes are set by Maths. In Years 8 and 9 Science set the groups by ability. 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 to our more able students, 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), Physics (AQA) and BTEC Level 3 Health and Social Care. 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
Sally Silcock on 01249 464505 or email sas@abbeyfield.wilts.sch.uk