



Soham Village College

Faculty of Science

The Post

Teacher of Science - the successful candidate will be required to teach general Science at KS3 and at least one specific science subject area (Biology, Chemistry or Physics) to GCSE level.

The Curriculum

Key Stage 3

In KS3, students follow a balanced programme of all three sciences in accordance with the National Curriculum. Most groups have the same science teacher for six periods in a ten-day timetable. The course is highly valued within the Faculty not least for the motivating factor it has produced. There are regular tests and formative assessments built into the course so that student progress can be closely monitored. The scheme of learning contains many opportunities for developing scientific skills, use of ICT and practical work and also provides scope for staff to develop their own creative thoughts. In addition to the scheme of learning, there are extensive lesson plans and associated resources available electronically.

Key Stage 4

The Science Faculty are following the AQA Trilogy and AQA Chemistry, Physics & Biology at KS4. Separate Sciences are optional choices for around 80 of our most able students, but the majority of the cohort will follow AQA Trilogy. At KS4, science subject specialists teach students in Biology, Chemistry and Physics. There is great support for every teacher in terms of detailed schemes of learning, lesson plans and resources for each course. The Faculty has enjoyed excellent levels of examination success. The value added from Key Stage 2 to 4 has been in the top 25% of all schools for the past 3 years.

The Faculty has well developed opportunities for colleagues to teach more than one subject at KS4. This has led to greater variety and flexibility in timetabling and contributed to the development of awareness of balanced science.

Extra-Curricular Activities

Opportunities exist to take part in a range of activities during lunchtimes and after school such as a weekly Science Club, Duke of Edinburgh Award, sports, performing arts and, usually, educational visits abroad.

Research and Development

The Faculty has a strong commitment to research and development and takes an active role in developing best practice both at faculty level and whole school as a lead STEM subject. Recent initiatives have included projects on the use of review and plenaries, awareness of preferred learning styles, developing thinking skills, assessment for learning, learning to learn and student engagement. The Science faculty has developed schemes of learning, in association with the University of Cambridge, designed to improve students' thinking skills through exploratory talk, the use of analogies and proportionality relationships.



Resources

The Science Faculty has 12 modern laboratories. All laboratories are fully equipped for the teaching of all science specialisms. The Faculty receives generous funding, which ensures the continuation of high-quality provision. All full-time members of the Faculty have their own teaching laboratory. The laboratories are serviced from two preparation rooms, with an additional chemical store.

All laboratories have a multi-media PC, which is connected to the College-wide fibre-optic network and every laboratory has an interactive television.

The College has ten ICT suites which staff can access for whole class use. Teachers may also choose to take a group of students to the well-equipped Library, which can be booked for group activities. Three laboratories and one prep-room have fume-cupboards.

Staff

The Faculty is a supportive group with a shared goal of achieving excellence in Science teaching. We work as a team, with high expectations of each other and the students, resulting in high morale and an innovative spirit.

There are currently 16 teachers of Science at the College and 5 laboratory technicians.

Mrs Karen Holden	Associate Assistant Headteacher, Director of Science, Health & Social Care, chemistry & physics specialist
Mrs Jessica Bain	Head of Health & Social Care, chemistry specialist
Mr John Burton	Physics specialist
Mr Matthew Collard	Lead Teacher of Physics, chemistry and physics specialist
Miss Maddie Silverwood	Health & Social Care & biology specialist
Mrs Katie Hardwick	Head of KS3 Science, biology specialist
Ms Sylvia Kowalska	Teach First (Year 2), physics specialist
Mr Jan Knight	Head of Year, Lead Teacher for Behaviour for Learning in Science, biology specialist
Miss Charlotte Palmer	Lead Teacher for Student Voice, biology specialist
Mr Ed Slingsby	Assistant Headteacher, chemistry specialist
Miss Hannah Stephen	Lead Teacher of Chemistry, chemistry specialist
Miss Charlotte Vince	Part time chemistry specialist
Miss Lorna Watkins	Chemistry specialist
Miss Emily Shaw	Biology specialist
Mrs Emma Wombwell	Biology specialist
Mrs Helen Edwards	Chemistry specialist
Mrs Julie Cutter	Senior Technician
Dr Nicola Ings	Technician
Mrs Treena Nicoll	Technician
Mrs Sarah Potts	Technician
Dr Jacky Smeaton	Technician
Miss Clair Bennison	Technician
Mrs Nichola Hobbs	Technician

Specialist Teaching Assistants are also attached to the Faculty to assist colleagues in the provision of Special Educational Needs.