

Waterloo Road, Cranbrook, Kent TN17 3JD

Telephone 01580 711801

E-mail: *office@cranbrook.kent.sch.uk*

www.cranbrookschool.co.uk

PHYSICS TEACHER

(Full-time post)

School Information

Cranbrook School is a mixed state grammar school with 872 pupils aged 11-18 years, including around 240 boarders. For its first 400 years the school was known as Queen Elizabeth's Grammar School with strong roots in the small town of Cranbrook. Day pupils come from within 10 kilometres (6.2 miles) of the school, following a test to judge their suitability for an academic education. Boy and girl boarders are admitted from a wide area, having sat the same test. Although it is a selective school, Cranbrook admits a wider ability range than many other grammar schools. It provides a challenging curriculum for the academic high flyers whilst at the same time catering to the requirements of those of more relatively modest abilities. The value-added scores that are achieved each year bear testimony to the success of the provision.

Pupils join at the age of 11 or 13, and in Year 10 they start their two-year GCSE courses in nine or ten subjects. Most students then qualify for the Sixth Form, this being supplemented by a healthy intake into Year 12 from other schools. All Sixth Formers follow a two-year GCE course, leading to A level exams in Year 13.

For a state school the facilities are very impressive. Within the seventy acres of school grounds are found the six boarding houses, the Queen's Hall Theatre (used for assemblies, school productions, visiting theatre companies and concerts), a well-stocked library and lecture theatre. Sports facilities include a large sports hall, dance studio, gymnasium, weights room, heated outdoor swimming pool, squash courts and extensive playing fields and facilities for the boys' and girls' games - hockey, rugby, cricket, netball, tennis and athletics – as well as an astro-turf pitch. The school also possesses a purpose-built Performing Arts Centre which houses a drama studio and music practice rooms, and a Sixth Form Centre which was recently refurbished to very high standards and features a large and sound-proofed study area as well as informal seating and kitchen facilities. The school boasts an Observatory and Science Centre named after Dr Piers Sellers OBE, a former student and NASA astronaut.

As a school, Cranbrook is very keen to educate the whole person and to this end it runs a wide programme of extra-curricular activities, including the voluntary CCF (combined cadet force) and Duke of Edinburgh Award Scheme, as well as a broad range of sports, music and drama, both during the week and at the weekend. We have a long tradition of overseas trips and in recent years groups have travelled to South America, Portugal, Nepal, Southern India and The Battlefields of Flanders and. These visits have been for sports tours, cultural exchanges, adventurous activities and to work on projects.

Cranbrook is an active school which will appeal to those prepared to give generously of their time and to take academic work very seriously. The school seeks to appoint staff who will involve themselves fully in the life of the school and applicants are invited to indicate areas where they would be able to make a contribution.

Cranbrook School welcomes NQTs and has a number of experienced mentors on our staff, all NQTs and their mentors are offered additional training through Kent Teach to help ensure a positive experience during their NQT year.

An interesting blend of the maintained and independent traditions, Cranbrook is a place with deep roots in the past but with its eyes clearly focused on the future. Our School Self Evaluation process includes a focus on ways to improve staff and student performance. A series of groups, led by different members of staff, investigate and report back on specific areas of interest. Our most recent Ofsted inspection (2015), and Ofsted boarding provision inspection (2018) both rated us as 'Outstanding'.

Much of Cranbrook's success results from the involvement of its committed Governing Body. The Governors take a genuine interest in the School, attend many of its functions, are involved in the regular reviews of departments and houses and work closely with the Leadership Group on new initiatives.

Cranbrook is very proud of its outstanding boarding status underpinned by its vibrant boarding community fully involved in the co-curricular activities within the school. This includes a programme of activities for the boarders remaining on site at weekends. Cranbrook has approximately 240 boarders shared across six houses each with its own ethos and identity and a marked sense of house pride. The facilities for our boarders are excellent, with the in house catering often highlighted for particular praise. As a school we have a long tradition of providing a full fixture programme on weekends and a variety of trips and activities on Sundays for which a number of staff give up their time. The boarding life of the School offers both staff and students many new and enriching experiences and makes this a most interesting and congenial place to work.

The town lies in the Weald of Kent, about fifteen miles from Maidstone, Ashford, Hastings and Tunbridge Wells, and London is just an hour away by train from nearby Staplehurst. General information about the school can also be found on our website at www.cranbrookschool.co.uk.

SCIENCE AT CRANBROOK

Science Department Overview

Science is a vibrant, relevant and exciting group of subjects, and at Cranbrook we seek to communicate this to our students through dynamic and supportive teaching. The Science Department consistently delivers a very high standard of education, and as a result has established itself both as a leading department within the school and as one of the most popular choices for our students at A-level.

Science Department structures

The Science Department works as a cohesive whole to address broad issues and to generate integrated teaching schemes. The every-day teaching of Science is broken down into the three separate disciplines of Biology, Chemistry and Physics. Each of the three subject areas is headed up by a Subject Leader and they are responsible for structuring the delivery of their subject (from KS3 to post-16), and for supporting the teachers with their teaching of each subject.

Within the Science Department there is a wealth of experience, with a large number of senior members of staff bringing both pastoral and curriculum expertise to their teaching. The teachers are very well supported by committed and enthusiastic laboratory technicians. Science is a highly motivated department which is at the forefront of driving forward initiatives in the school.

Physics

Year 12 and 13 follow the AQA Physics course, studying in a 'flipped-learning' format that is popular with students.
Between 40 and 50 students regularly elect for Physics in Year 12 with the majority continuing through to A2.
Typical A2 results are around 40% A*-A and 70% A*-B with a consistent ALPS score of 3 for the last three years.

GCSE students follow the AQA Physics course.
Results in 2018 and 19 have been excellent with 70%+ gaining grade 7 or better and a good value-added score each year.

Year 7 and 8 have lessons in Biology, Chemistry and Physics that are taught by subject specialists in the main school labs. They greatly enjoy this experience and are delightfully keen to learn.

Science Department accommodation

There are currently 9 laboratories (split evenly between the three sciences), 4 preparatory rooms, a Lecture Theatre and other ancillary rooms within the Science Department. These were refurbished with money from Science Status funding, received via a successful Wolfson Foundation bid.There are plans to increase the number of laboratories as numbers grow in Years 7 and 8.

Science Curriculum

Year 7 and 8: Year 7 and 8 students will follow an enhanced KS3 course, aiming to embed higher level experimental work and deeper scientific thinking into the standard KS3 material.
Year 9, 10, 11: All students embark on the separate AQA GCSE courses in Biology, Chemistry and Physics, beginning this at the start of Year 9. Decisions are then made at the end of Year 10 as to whether they should continue to study the individual sciences or switch to AQA Combined Science (Trilogy) to reduce their workload. Approximately a quarter of all pupils pursue the latter route in a typical year.
Post-16: Biology students follow the OCR specification, Chemistry students follow the OCR A course and Physics students continue with AQA into their A levels.

<table>
<tr><th colspan="3">ROLE PROFILE: CLASSROOM TEACHER – PHYSICS (Main Scale)</th></tr>
<tr><td>Job Purpose</td><td colspan="2">To facilitate and encourage learning which enables students to achieve high standards at all key stages.
To take shared responsibility for the teaching of sixth form classes.
Support corporate responsibility for the well-being, education and discipline of all students.</td></tr>
<tr><td>Accountability</td><td colspan="2">Prepare and teach lessons of a very high standard to the students assigned to him/her:
Following designated programmes of study
Carrying out the necessary assessments
Providing information/comments for records
Monitoring students in accordance with agreed departmental strategies.
Maintain discipline in accordance with school policies and demonstrate good practice in the classes taught with regard to attendance, appearance, uniform, punctuality, behaviour, homework etc. Assist other staff in this area.
Contribute to the corporate tasks of development, record keeping, monitoring, evaluation of lessons and maintenance of materials.
Participate in the application of the departmental homework policy which includes the setting and marking of homework and monitoring homework diaries.
Work closely with the Head of Department.
Engage in professional development in relevant areas.</td></tr>
<tr><td rowspan="2">Personal Qualities</td><td>Self-Awareness
An awareness of one’s own feelings, strengths and weaknesses. Confident in the job, and with self-belief but open to feedback.</td><td>Social-Awareness
Ability to empathise with the feelings of others and willingness to adapt to the needs of colleagues and students.</td></tr>
<tr><td>Self-Management
Ability to adapt to situations whilst remaining calm and positive, sets challenging goals with positive expectations and a sense of optimism.</td><td>Relationship Management
Ability to lead by example, providing support and stimulation, is not afraid of change and remains objective.</td></tr>
<tr><td>Knowledge and Skills</td><td colspan="2">A Physics-related degree is required.
Principles and practices of effective teaching and learning.
Preparation of schemes of work and lessons for self and others.
Knowledge and understanding of subject area(s).
Principles and practices of monitoring/assessment/evaluation.
The application of information and communications technology (ICT) to learning and teaching in subject area(s).</td></tr>
<tr><td>General</td><td colspan="2">To contribute to the wider life of the school beyond the classroom.
Act as tutor.
To undertake reasonable tasks as directed by the Headteacher or Head of Department.</td></tr>
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The Application and Appointment Arrangements

We look forward to receiving your application completed as fully as possible and returned to the Head's PA, preferably by e-mail. Please do not send an additional CV.

Within your application please include a statement which should outline your interest in the role of Physics teacher, and what you can bring to the Department.

Mrs B Santer
Head's PA
Cranbrook School
Cranbrook School
Kent TN17 3JD

Tel: 01580 711801 (direct line) office@cranbrook.kent.sch.uk

The closing date for applications is **noon on Monday 26 April 2021.**

Interviews will be held in the week commencing **Monday 3 May 2021.**