

**TEACHER OF MATHEMATICS  
(Maternity Cover)**



Cranbrook  
School

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***[www.cranbrookschool.co.uk](http://www.cranbrookschool.co.uk)***

## Information

Cranbrook School is a mixed state grammar school with 747 pupils aged 11-18 years, including 300 plus Sixth Formers and 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 take ten or eleven subjects for GCSE. Most students then qualify for the Sixth Form, this being supplemented by a healthy intake into Year 12 from other schools. All Year 12 students follow a course of AS Levels, leading to A2 levels in Year 13. Each year the GCSE pass rate is in the mid 90% with the A/A\* pass rate last year at 67%. At A Level the pass rate last year was 100%, with the A\*-B grades at a pleasing 74%. From 2017 Cranbrook will have a Year 7 intake, with 30 students joining this September.

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 magnificent library, Lecture Theatre, Sports Hall, recently-extended Dance Studio, Gymnasium, 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 - with an astro-turf pitch. The school also possesses a purpose-built Performing Arts Centre and Sixth Form Centre. The latter has been outgrown and will be replaced with a larger facility this autumn. The school boasts an Observatory and Science Centre, named after Dr Piers Sellers OBE, a former student who is a 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 community service and the voluntary CCF (combined cadet force), 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 Poland, Morocco, Italy, Crete, Honduras, Tanzania, The Battlefields of Flanders, Southern India, Grenada (West Indies) and the USA. These have been for sports tours, choir tours, cultural exchanges, adventurous activities, scientific research and to work on projects. We have International Schools Status and are now looking to widen links with schools in other countries. 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.

Some of our staff arrive with us through the GTP programme or after a PGCE here. Most of the links are through Canterbury Christ Church University although not exclusively so. The presence of so many trainees has done much to enhance the pedagogy of all staff and an increasing number of them are becoming accredited mentors to allow them to provide better guidance.

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. Each year our School Improvement Plan focuses on ways to improve staff and student performance and the specific focus for the current year is addressing some underachievement in the Sixth Form. A series of groups, led by different members of staff, investigate and report back on specific areas of interest, such as how to move lessons from good to outstanding. Our most recent Ofsted inspection (2015), 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.

Boarding is central to the experience of life at Cranbrook and a programme of activities is provided for the boarders remaining on site at weekends. Each of the six houses has its own ethos and identity and a marked sense of house pride. The Heads of Boarding meet every week under the chairmanship of the Head of Boarding to discuss both day to day administration as well as longer term issues. The group reviews the national boarding standards on a regular basis to ensure that we are meeting them all. As a School we are members of the SBSA and the BSA. The facilities and general comfort of the houses are excellent and the School's own catering service provides high quality food. We have a long tradition of providing enjoyable outings on Sundays for which a number of staff give up their time. The boarding life of the School enriches everyone's experience 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 its website at [www.cranbrookschool.co.uk](http://www.cranbrookschool.co.uk).

## MATHEMATICS AT CRANBROOK SCHOOL

The Mathematics department at Cranbrook School currently employs five full time members of staff and one part time teacher. There are five Mathematics classrooms, four dedicated to individual teachers and 1 shared. The teaching rooms are all easily accessible from the central Mathematics office which is a very well-equipped resource and work area, including a networked computer workstation and printer. The teaching rooms are all of a good size (seating capacity 32) and are all equipped with interactive whiteboards. All five rooms have networked workstations and recent versions of Smart Board, and one interactive board uses Promethean tools.

In Years 10 and 11, Mathematics is taught in two timetable blocks of equal parity. Each block is further divided into three sets of ability, with Year 9 having five streamed sets. The Year 9 entrants are taught four lessons of Mathematics per week, and in Years 10 and 11 this rises to five and four lessons per week respectively. The duration of a single lesson is 40 minutes. Mathematics is taught in both single and double lessons. All students follow the higher tier specification. The GCSE results are consistently good and those for 2016 were saw 62% A\*-A grades and 100% A\*-C grades. The course text book for Years 9 to 11 is Edexcel GCSE 9 – 1 Higher Student Book by Pearson.

The two top sets in Year 11 sit their GCSE Mathematics examination as well as an additional examination: the IGCSE Level 2 Certificate in Further Mathematics (AQA 8360), both at the end of Year 11.

Mathematics at AS and A2 is a very popular choice for students at Cranbrook with well over half of the Year 12 cohort (70+ students) enrolling on the AS course. In Year 12 and Year 13 Mathematics is currently taught in six classes and five classes respectively, and students receive six lessons of tuition per week. Further Mathematics is also available and typically recruits 15-20 of the ablest of our student mathematicians. We currently follow the OCR specifications 7890 in Mathematics and 7892 in Further Mathematics. The standard pattern for A2 Mathematics is C1, C2 and S1 in Year 12 and C3, C4 and M1 in Year 13. Further Mathematicians additionally study D1, D2 and FP1 in Year 12 and M2, M3 and FP2 in Year 13. However, in future we will be following the new AS and A2 specifications, most probably through Edexcel. The A2 GCE Mathematics results are also consistently good and those for 2016 had 72% A\*-B grades. The course text books are currently the Cambridge Advanced Mathematics for the OCR series (Cambridge University Press).

The Mathematics department is a strong supporter of the national challenges run by the UKMT with many students gaining certificates of commendation and the ablest being regularly invited to participate in the next round of the competition. Typically 180 students from Year 9, 10 and 11 take part in the first stage of the Intermediate Mathematics Challenge and for the Senior Mathematics Challenge it is expected that all AS and A2 Mathematics students participate in the introductory round.

<b>ROLE PROFILE: CLASSROOM TEACHER – MATHEMATICS (Main Scale)</b>		
<b>Job Purpose</b>	<ul style="list-style-type: none"> <li>• To facilitate and encourage learning which enables students to achieve high standards at all key stages.</li> <li>• To take shared responsibility for the teaching of sixth form classes.</li> <li>• Support corporate responsibility for the well-being, education and discipline of all students.</li> </ul>	
<b>Accountability</b>	<ul style="list-style-type: none"> <li>• Prepare and teach lessons of a very high standard to the students assigned to him/her: <ul style="list-style-type: none"> <li>○ Following designated programmes of study</li> <li>○ Carrying out the necessary assessments</li> <li>○ Providing information/comments for records</li> <li>○ Monitoring students in accordance with agreed departmental strategies.</li> </ul> </li> <li>• 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.</li> <li>• Contribute to the corporate tasks of development, record keeping, monitoring, evaluation of lessons and maintenance of materials.</li> <li>• Participate in the application of the departmental homework policy which includes the setting and marking of homework and monitoring homework diaries.</li> <li>• Work closely with the Head of Department.</li> <li>• Engage in professional development in relevant areas.</li> </ul>	
<b>Personal Qualities</b>	<b>Self-Awareness</b> <ul style="list-style-type: none"> <li>• An awareness of one's own feelings, strengths and weaknesses. Confident in the job, and with self-belief but open to feedback.</li> </ul>	<b>Social-Awareness</b> <ul style="list-style-type: none"> <li>• Ability to empathise with the feelings of others and willingness to adapt to the needs of colleagues and students.</li> </ul>
	<b>Self-Management</b> <ul style="list-style-type: none"> <li>• Ability to adapt to situations whilst remaining calm and positive, sets challenging goals with positive expectations and a sense of optimism.</li> </ul>	<b>Relationship Management</b> <ul style="list-style-type: none"> <li>• Ability to lead by example, providing support and stimulation, is not afraid of change and remains objective.</li> </ul>
<b>Knowledge and Skills</b>	<ul style="list-style-type: none"> <li>• A Maths-related degree is required.</li> <li>• Principles and practices of effective teaching and learning.</li> <li>• Preparation of schemes of work and lessons for self and others.</li> <li>• Knowledge and understanding of subject area(s).</li> <li>• Principles and practices of monitoring/assessment/evaluation.</li> <li>• The application of information and communications technology (ICT) to learning and teaching in subject area(s).</li> </ul>	
<b>General</b>	<ul style="list-style-type: none"> <li>• To contribute to the wider life of the school beyond the classroom.</li> <li>• Act as tutor.</li> <li>• To undertake reasonable tasks as directed by the Headteacher or Head of Department.</li> </ul>	

<b>The Application and Appointment Arrangements</b>
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We look forward to receiving your application completed as fully as possible and returned to the Headmaster's PA by e-mail or post. Please do not send an additional CV.

Your statement, on a separate sheet/page, should include your relevant experience for this post and what you think you can bring to Cranbrook's Maths department.

Mrs B Santer  
PA to Headmaster  
Cranbrook School  
Cranbrook School  
Kent TN17 3JD

[office@cranbrook.kent.sch.uk](mailto:office@cranbrook.kent.sch.uk)

<p>The closing date for applications is Wednesday 21 June 2017.</p>
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<p>Interviews will be held in the week commencing Monday 26 June 2017.</p>
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<p><i>Cranbrook School is committed to safeguarding and promoting the welfare of children and young people.</i></p>
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<p><i>Appointments are subject to satisfactory references and an enhanced CRB check.</i></p>
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<p><i>Cranbrook School is an Equal Opportunities Employer.</i></p>
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<p><i>Website: <a href="http://www.cranbrookschool.co.uk">www.cranbrookschool.co.uk</a></i></p>
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