



DEPARTMENT : Maths

The successful candidate will join a supportive and hardworking team which has a good record of maintaining high standards and encouraging all pupils, irrespective of their academic ability, to strive for excellence. The department aims to give the best possible education to each child and staff work hard to ensure that every pupil achieves his or her potential using a variety of teaching styles and models of classroom organisation to enable this philosophy to be translated into effective practice. Development of teaching and learning and the use of feedback are school and department priorities and this is reflected in the range of learning activities which are used to help pupils develop their knowledge and understanding. The members of the department are encouraged to develop their own strengths and individual skills while operating as a team, respecting and complementing each other. Sharing of teaching methods and experience is encouraged both formally and informally. In lessons the atmosphere is disciplined but friendly and conducive to learning and personal development. We regularly have PGCE students in the department, providing CPD opportunities for their mentors and encouraging all of us to reflect on our approaches to teaching and learning.

STAFFING STRUCTURE and who's who

There are currently 10 members of teaching staff within the department and a Specialist LSA who works in the department to improve our work with pupils who find maths challenging. In addition there is a member of staff responsible for our intervention programme for pupils at Key Stages 3 and 4.

Head of Maths, Christine Lawley, is supported by a 2nd in Department, Sarah King, a Lead Practitioner, Katie Ray and our Key Stage 3 coordinator, Gerald Telfer.

Courses and Exam Boards

Our results are consistently above the national average across the key stages. Results for 2016 are as follows.

Key Stage 3	Teacher Assessment:	Level 5+ 4%, Level 6+ 65%
Key Stage 4	73% A*-C,	16% A*/A, Additional Maths 36% A-C, 73% A-E
Key Stage 5	Maths A-Level	82% A*-C, Further Maths A 100% A*-C

Development Plan Priorities

To improve the quality of marking, feedback and assessment.

To improve the monitoring and tracking of progress to reduce in-school variation and ensure effective and appropriate intervention.

To develop distributed leadership within the department.

Additional Department Specific Info

Key Stage 3

In Years 7-9 pupils are split into two half-year groups. Pupils in Year 7 are initially taught in their mixed ability tutor groups with setting taking place in October. Pupils remain in ability sets for the remainder of key stage 3 with some movement between sets as appropriate.

Key Stage 4

Pupils in Years 10 and 11 are currently taught in one of nine sets, following the AQA Linear specifications. The current Year 11 are taught as a year group; Year 10 are taught in half year groups. A small number of pupils also complete a Certificate of Achievement.

Key Stage 5

Numbers vary in Year 12 and 13 but there are currently two AS groups in Year 12 and two A level groups in Year 13. Some of these students also study Further Maths. Current numbers are 28 students studying AS Maths, 1 studying AS Further Maths, 15 studying A2 Maths and 4 studying A2 Further Maths. Single maths students can currently choose to study Statistics, Mechanics or Decision Maths alongside the Core modules from the OCR specification; the Further Maths also includes some Decision Maths. This will change in September 2017 as the new A-level course are introduced. There is provision for students at sixth form level who do not get a C at GCSE in Year 11 to re-sit this qualification.

Accommodation; Events and Activities; Current links with other depts.

The Mathematics Department has nine classrooms, all with interactive whiteboards and dedicated teacher desktop computers. In addition, two of the rooms are also equipped with 15 computers and there are additional laptops that can be booked for use in lessons. Each member of staff is issued with a laptop to help with the preparation, planning and delivery of lessons. There are three maths office areas so that each member of the team has a place for preparation and marking.

Pupils have the opportunity to take part in a number of extra-curricular activities both school based and external. These include enrichment courses run by West Sussex and Mathematics Master Classes held at Sussex University run by the Mathematical Association. Pupils across the school have the opportunity to take part in the UK Mathematics Challenge and a number of pupils have achieved awards, with some pupils achieving sufficient marks to go onto the next stage. For the last three years we have hosted one of the regional rounds for the Team Maths Challenge. There are regular opportunities for pupils across the key stages to receive additional support with homework and exam preparation. The department has also run workshop sessions for Year 7 pupils and their parents.

We work closely with some of our feeder schools. In previous years, the Head of Department has run maths workshops for Year 6 primary pupils and several INSET sessions for the primary school mathematics leaders including a very successful session focusing on children's ability to reason in mathematics. We have also worked collaboratively with some of our feeder schools with a focus on the provision for gifted and talented pupils and primary colleagues came into school to observe lessons. The department regularly contributes to a range of cross – curricular activities which include running an Enterprise challenge for Year 10 on a Deeper Learning Day.

Any other Celebration Points

Three students achieved an A* grade in A-level Mathematics and one student achieved an A* grade in A-level Further Mathematics in 2016.

A Year 13 student achieved 579/600 UMS in their A-level Maths exam in 2016.

Sixth form students studying Maths at A-level have gone on to study Mathematics at Cambridge, Mathematics and Computer Science at Oxford, Physics at Oxford and Engineering at Imperial University

In 2015-16, in the senior maths challenge one student achieved gold and went on to the Kangaroo challenge while in the intermediate maths challenge two students achieved gold with two going onto the Kangaroo challenges.

Additional Job Specific Details
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If you have previously taught AS/A-level maths please indicate in your application which aspects you have taught (Core, Mechanics, Decision, Probability and Statistics, Further maths).

If you are able to offer a second subject please include details about this in your application.