



# The Holy Trinity Church of England Secondary School

## Department details

### 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. A variety of teaching styles and modes of classroom organisation are adopted in order to enable this philosophy to be translated into effective practice. Development of teaching and learning is a school and department priority, as a result of which there is an emphasis on groupwork and problem-solving activities. 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 11 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 1-1 tuition, who also contributes to our intervention programme for pupils at Key Stage 3.

Head of Maths, Christine Lawley, is supported by a 2<sup>nd</sup> in Department, Kim Harmey, a Lead Practitioner, Katie Ray and our co-ordinator of Maths across the curriculum, Gerald Telfer.

### Courses and Exam Boards

Our results are consistently above the national average across the key stages. Results for 2013 are as follows.

Key Stage 3	Teacher Assessment: 87.3% Level 5+, 62.7% Level 6+ Exam: 82.1% Level 5+ 64.2 Level 6+
Key Stage 4	62.2% A*-C, 15.4% A*/A, Additional Maths 79% A-C
Key Stage 5	Maths AS 58.7% A-C, Further Maths AS 62.5% A-C Maths A 81.8% A-C, Further Maths A 100% A-C

### Development Plan Priorities

- To improve student outcomes in relation to agreed targets and expectations
- To improve the quality of teaching and learning
- To improve the provision for Sixth Form Students
- To improve numeracy skills at Key Stage 3

## **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 taught in one of nine sets, following the AQA Linear specification (4365). A small number of pupils also complete a Certificate of Achievement and others the Additional Maths course (FSMQ).

### **Key Stage 5**

Numbers vary in Year 12 and 13 but typically there are two or three AS groups in Year 12 and two or three A level groups in Year 13. Some of these students also study Further Maths. Current numbers are 42 students studying AS Maths, 5 studying AS Further Maths, 24 studying A2 Maths and 5 studying A2 Further Maths. Single maths students can choose to study Statistics and/or Mechanics alongside the Core modules from the OCR specification, the Further Maths also includes some Decision Maths. Students who do not get a C at GCSE in Year 11 have the opportunity to retake in Year 12 and we are currently looking at ways to increase level 2 provision in the sixth form.

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

The Mathematics Department has nine classrooms, all with interactive whiteboards. In addition, two of the rooms are also equipped with 15 computers and there are an 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 two years we have hosted one of the regional rounds for the Team Maths Challenge. A Bridge club has started this year and there are regular maths workshops for pupils across the key stages providing support with homework and exam preparation. For the last three years the department has also run workshop sessions for Year 7 pupils and their parents.

We work closely with some of our feeder schools. Last year the Head of Department ran two maths workshops for some Year 6 primary pupils and an INSET session for the primary school mathematics leaders and a similar session this year.

The department contributes to a range of cross-curricular activities running a puzzle session for Year 8 on a recent Alternative Curriculum day. The creation of the role of co-ordinator for Maths across the curriculum has enabled the department to develop and extend links with other departments.

### **Any other Celebration Points**

Two students achieved an A\* grade in A-level Mathematics in 2013

In the last two years, 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.

### **Additional Job Specific Details**