



SOUTH WILTS GRAMMAR SCHOOL

Teacher of Mathematics Full time

The Post

We are looking to appoint a member of staff who is able to demonstrate an innovative and forward thinking approach with effective communication and interpersonal skills. As well as an enthusiasm for Mathematics and good ICT skills you should enjoy working with well-motivated and high achieving young people. The ability to teach A Level Maths is essential, and A Level Further Maths would be an advantage.

Staffing

There are currently six full-time and four part-time specialist Mathematics teachers, supported by an administrative assistant who works with us for 9 hours a week.

Facilities

The department is based in a purpose built mathematics block consisting of six general classrooms an, an ICT room, a staff workroom, and toilet facilities. All of the teaching rooms have new interactive whiteboards installed. In our sixth form teaching we use graphical calculators, which we provide, in most lessons.

Extracurricular activities

In this high achieving school, we offer a huge range of enrichment activities to all year groups and ability students. We enter all UKMT Maths challenges throughout the year, with several students gaining places in the follow-on Kangaroo rounds and the Olympiads. We run three lunchtime help sessions a week: two for KS5 and one for KS4. In the autumn term we run a Monday support group for those Yr 13 students who are sitting university admission tests in October. On a Friday we run a Cipher club for students from all year groups and many of them enter the University of Southampton National Cipher Challenge. We offer the University of Southampton Maths challenges in January to Years 7-10. We work closely with the Advanced Support Maths Programme and attend several enrichment events throughout the year for a range of year groups.

The Curriculum

Key Stage 3 (Years 7, 8 and 9)

Year 7 Maths is taught in five tutor groups. Each class receives 6 hours of learning per fortnight.

Year 8 Maths is taught in five tutor groups. Each class receives 7 hours of learning per fortnight.

At the end of Year 8 pupils are set according to the evidence gathered during the year and are placed into six ability sets for Year 9. Each class then receives 7 hours of learning per fortnight.

The Collins Maths Frameworking scheme is used throughout Key Stage 3. Staff use MyMaths as a homework tool and our Mathsbox subscription is used to support teaching and learning.

Key Stage 4 (Years 10 and 11)

At the end of Year 9 pupils are reset into 6 ability sets ready for Key Stage 4. We aim to keep most students in these new sets, with the same teacher, over the two years. Each class receives 7 hours of learning per fortnight. The most able students from within the top set also study and prepare for AQA Level 2 Certificate in Further Mathematics.

Our scheme of work is linked to the Elmwood 4-9 textbook, but we use other textbook resources such as Collins or Nelson Thornes. All teachers complete their own planning, but resources and lessons are shared centrally within the department. Problem solving activities are sourced from Nrich, AMSP, Median, Mathsbox and MathsBoT.

Key Stage 5 (Years 12 and 13)

At Key Stage 5, Mathematics is one of the most popular subjects taken by students.

We currently have 4 teaching groups in each year group (around 150 students in total) who are preparing for the Pearson Edexcel Linear A-level. The teaching is shared between 2 teachers: both teachers share the delivery of pure maths throughout the year, with the applied content being split, one teacher covering the statistics and the other covering the mechanics. Each class receives 9 hours of learning per fortnight.

We usually have approximately twenty further mathematicians in each year group in the sixth form. These students will sit the Pearson Edexcel A-Level Further Maths qualification, following modules Further Mechanics 1 and Further Statistics 1. There is also an option for some Year 13 students to sit the AS Further Maths qualification in May. Each class receives 9 hours of learning per fortnight.

As an enrichment option we offer the AQA Level 3 Mathematical Studies 2A Statistics (Core Maths) qualification. This course is taught over 2 years as an enrichment course. We currently have three classes in Year 12 and two classes in Year 13. Each class receives 3 hours of learning per fortnight. This course is designed to support students studying Maths based subjects and prepare them for university entry Maths tests.

Throughout Key Stage 5 all students, both for A-Level Maths and Level 3 Core Maths, have access to graphical calculators within their lessons and for all assessments.

We regularly have students applying to study mathematics at a higher level and provide support for university admissions test within the department.