



# SOUTH WILTS GRAMMAR SCHOOL

## Teacher of Mathematics Full or part 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 six part-time Mathematics teachers. The department has a very strong ethos of shared, common resources. Teachers plan and prepare together, facilitated by having a communal office for the mathematics staff. Staff share in the teaching at all age and ability levels. We have an administrative assistant who works with us for 9 hours a week.

### **Facilities**

The Department is based in a Mathematics block consisting of six general classrooms and an ICT room. All the rooms have interactive whiteboards and data projectors installed, along with some class sets of graphic calculators and general mathematics equipment. Classes can be booked into the ICT rooms in order to access the internet and the school allows students to access the school's network via Wi-Fi on their own portable devices during lessons where appropriate.

### **Extracurricular activities**

A Cipher club is run during the Autumn term for all year groups. Students are invited and encouraged to enter the UKMT challenges at all age groups. We work closely with the Advanced Maths Support Programme and attend a number of enrichment events. We run two Key Stage 5 lunchtime help sessions a week and two for Key Stage 4.

### **The Curriculum**

#### **Key Stage 3 (Years 7 and 8)**

Year 7 & 8 Maths is taught in five tutor groups. We use the Collins Maths Frameworking scheme alongside a variety of other resources and activities. Progress is monitored via end of topic reviews and regular testing every mini-term.

#### **Key Stage 3 (Year 9)**

At the end of year 8 pupils are set according to the evidence gathered during the year and are placed into seven ability sets for year 9, three in an A stream and four smaller sets in the lower B stream. The Collins Maths Frameworking scheme is used until the end of the Key Stage.

#### **Key Stage 4 (Years 10 and 11)**

In year 10 and 11 pupils are divided into 7 ability sets, which enables smaller class sizes for the lower groups. All students study AQA GCSE Mathematics which is sat at the end of Year 11. The most able students from within the top set also study and prepare for AQA Level 2 Certificate in Further Mathematics. We are using a variety of existing textbooks, sourcing problem solving activities from many places including NRICH and the AMSP.

## Key Stage Five

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 140 students in all) 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.

We usually have approximately 25 further mathematicians in Year 12 and 12 in Year 13. These students will sit the Pearson Edexcel A-Level Further Maths qualification, following modules Further Mechanics 1 and Further Statistics 1. We also often have some year 13 students who will sit the AS Further Maths qualification in May.

We currently have 2 classes in Year 12 and 3 classes in Year 13 covering the AQA Level 3 Mathematical Studies 2A Statistics qualification. This course is taught here over 2 years as an enrichment course.

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 assessments.

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