



Mathematics Faculty

The department's aim is to make mathematics enjoyable and accessible for all students to ensure they are able to reach their full potential. This year, 73% of our students achieved a grade 4 or above and almost 24% of our students achieved a grade 7 or above in GCSE Mathematics.

Students follow the secondary National Curriculum at KS3, KS4 and KS5 which aims to enable young people to become successful, confident and numerate members of society. Mathematics at SPWT covers the key areas: Numbers, Algebra, Ratio, Proportion and Rates of Change, Geometry and Measures, Statistics and Probability.

Many of our students go on to study A-level mathematics at SPWT taught by outstanding teachers. Our pupils develop a detailed insight into calculus enabling them to experiment with parameters and to explore real-life applications. Last year 91% of our pupils achieved an A*- C for A-level Mathematics and 100% of our pupils achieved a grade A*-B for A Level Further Mathematics. Many of our pupils were accepted into their first choice university, many going on to study Mathematics and Engineering.



Mathematics Curriculum

The course content and the teaching methods are designed to enable students to acquire mathematical skills and use them with confidence; this includes applying mathematics in everyday situations to enhance their curricular learning. An important aim is the ability to use mathematics clearly and concisely as a language. Students will be encouraged to reason logically, to generalise, to solve problems and to communicate their solutions effectively.

To assist with their learning all students are given MyMaths Kerboodle log-in details to access lesson activities, maths games and booster lessons from home. There is also a facility for online homework with instant feedback, which helps pupils identify areas for development. In Years 7 and 8, students have the opportunity to challenge their mathematical learning and compete at national competitions. Students enjoy maths at our school and many go on to study the subject at A level in our 6th form.

Students in KS3 have the opportunity to take part in the Junior Maths Challenge and Count on Us, which is a unique, pan-London maths tournament for Year 8 and 9 pupils, delivered in partnership with the Jack Petchey Foundation.