

# Mathematics

## **Introduction**

In Mathematics students cover topics from five main areas: Number, Ratio, Algebra, Statistics and Geometry. As a department we are rigorous with numeracy skills, such that we assess the students three times a year to highlight areas of strength and weakness, in order to implement intervention strategies. With changes in the new curriculum, we have developed more opportunities for problem solving activities, to enable students to apply what they have learnt to different contexts.

- The Mathematics Department is fully staffed with experienced teachers who are all Maths specialists.
- Students will enjoy a variety of learning styles, including book work, paired and group activities, investigations and a range of puzzles and games.
- Online resources such as ActiveLearn and MathsWatch are used across all key stages.
- From Year 7 to Year 11 students are taught in sets according to their ability. There is regular movement between sets depending on the students' progress.

## **GCSE Curriculum Information**

The Mathematics Department at The Bishop Wand School prepare students for Edexcel GCSE (9-1) Maths over a period of five years. This specification requires students to take three 1hr 30mins papers (two calculator papers and one non-calculator paper) which test a range of skills across Number, Ratio, Algebra, Statistics and Geometry.

| Topic                    | Foundation | Higher |
|--------------------------|------------|--------|
| Number                   | 25%        | 15%    |
| Ratio & Proportion       | 25%        | 20%    |
| Algebra                  | 20%        | 30%    |
| Statistics & Probability | 15%        | 15%    |
| Geometry & Measures      | 15%        | 20%    |



## A Level Curriculum Information

In the Sixth Form, students study the Edexcel A-Level with Maths and Further Maths on offer. Students can choose modules in Pure Maths, Mechanics, Statistics and Decision Maths.

## Extra-Curricular Activities

Throughout the Key Stages students are selected to take part in trips and enrichment activities including National Maths Challenges and Masterclasses at the University of Surrey.

We hold an annual 'Maths Week' to promote Maths throughout the School. This includes whole school competitions, individual competitions of a creative nature and displays of Maths related topics.

