



SSMS Maths Curriculum Overview

KS2 Main Aims: *To enthuse and inspire learners and create confident young mathematicians who have a passion for the subject. We want our students to master the curriculum by deepening their understanding, developing their mathematical language, making connections between topics and becoming confident in calculation methods. Our students will build on their understanding of fluency to reason and solve problems.*

Year 5*

	Autumn	Spring	Summer
1	Place value; Addition and Subtraction	Multiplication and division B; Fractions B	Shape; Position and direction; Decimals
2	Multiplication and division A; Fractions A	Decimals and percentages; Perimeter and area; Statistics	Negative numbers; Converting units; Volume

Year 6*

	Autumn	Spring	Summer
1	Place value; Addition, subtraction, multiplication and division	Ratio; Algebra; Decimals	Shape; Position and direction
2	Fractions A; Fractions B; Converting units	Fractions, decimals and percentages; Area, perimeter and volume; Statistics	Projects, consolidation and problem solving

KS3 Main Aims: *To build on the foundations of the KS2 curriculum by mastering fundamental knowledge and skills, developing the confidence of students by introducing concepts in a variety of ways and advancing their problem solving skills through rich challenges. Students will have the opportunity to personalise their route through units, either strengthening areas that need consolidating or extending their learning by applying and developing maths in different situations.*

Year 7*

	Autumn	Spring	Summer
1	Analysing displaying data; Number skills	Fractions and percentages; Probability	Lines and angles; Sequences and graphs
2	Expressions, functions and formulae; decimals and measures	Ratio and proportion	Transformations



Year 8*			
	Autumn	Spring	Summer
1	Number; Area and volume	Real-life graphs; Decimals and ratio	Calculating with fractions; Straight line graphs
2	Statistics, graphs and charts; Expressions and equations	Lines and angles	Percentages, decimals and fractions

**Some topics may go into the next term or be started early in the previous term, depending on progress through the curriculum and the length of the half terms.*