

## MATHEMATICS KEY STAGE 3 YEAR 7 SCHEDULE 2025-2026

## **COURSE**

Students are placed into 6 groups and taught Key Stage 3 Mathematics over 2 years.

The course builds on the Mathematics learnt at primary school in the areas of Number, Algebra, Geometry, Measure and Statistics.

At the start of year 7, there will inevitably be some cross over between work done at primary school and secondary school as we find out the ability and experience of the students.

Students may change sets over the course of the two years, with a number of changes happening annually from year 7 to year 8. At the end of year 8, students are placed in 7 groups for year 9 and so there are more major set changes at this point. Set changes are made based on performance throughout the year, performance in tests and exams and teachers personal assessment of the students.

TOPICS	DURING
Angles and Shapes: angles in shapes, angles on a line, angles around a point, angles on parallel lines, classifying quadrilaterals and triangles, symmetry, interior and exterior angles in polygons	SPRING TERM
Decimals: Place value, rounding, arithmetic with decimal numbers, ordering decimals, equivalence of fractions, decimals and percentages, terminating decimals, fraction/decimal/percentage of a number, approximating using rounding.	SPRING TERM
Equations : solving linear equations, rearranging equations and formulae	SPRING TERM

TOPICS	DURING
Analysing and displaying data: Drawing, interpreting graphs, using measures of average and spread	AUTUMN TERM
Number Skills: Positive and negative numbers, order of operations, number properties, squares, cubes and roots.	AUTUMN TERM
Equations, functions and formulae: understanding the language of algebra, simplifying algebraic expressions, writing expressions and equations, substituting values into algebraic expressions and formulae	AUTUMN TERM
Fractions : ordering decimals and fractions, equivalence, fractional arithmetic.	AUTUMN TERM

TOPICS	DURING
Multiplicative reasoning: simplifying ratio, splitting in a ratio, describing proportions using ratio, solving problems involving proportion, writing ratio as fractions and percentages.	SUMMER TERM
Perimeter, area and volume: using formula for the area, perimeter and volume of both 2D and 3D shapes. Drawing representations of 3D shapes. Converting between measures of length, area and volume.	SUMMER TERM
Sequences and graphs: continuing sequences, identifying patterns, generating terms of a sequence from different rules, finding the nth term of a sequence, identifying whether numbers are in a sequence, develop coordinate skills to draw straight lines from their equations.	SUMMER TERM