Maths Curriculum Overview

This guide summarises the main areas of Mathematics covered in the England National Curriculum for Key Stage 1 and Key Stage 2.

Key Stage 1: Ages 5–7

Area of Maths	Topics Covered
Number & Place Value	Counting, reading and writing numbers, ordering numbers, place value to 100
Addition & Subtraction	Mental calculation, number bonds, simple written methods
Multiplication & Division	Counting in 2s, 5s, 10s, arrays, grouping and sharing
Fractions	Halves, quarters, simple equivalence
Measurement	Length, mass, capacity, time, money
Geometry – Shape	2D and 3D shapes, properties of shapes
Geometry – Position & Direction	Left/right, turns, simple movement
Statistics	Simple charts, pictograms, tally charts

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Key Stage 2: Ages 7–11 (Years 3–6)

Lower Key Stage 2 (Years 3–4)

Area of Maths	Topics Covered
Number & Place Value	Numbers to 10,000, rounding, negative numbers
Addition & Subtraction	Written methods, estimation, problem solving
Multiplication & Division	Times tables up to 12×12, written methods
Fractions	Equivalent fractions, adding/subtracting fractions
Decimals	Tenths and hundredths
Measurement	Area, perimeter, time, units of measurement
Geometry	Angles, symmetry, coordinates, shapes
Statistics	Bar charts, line graphs, tables

Upper Key Stage 2 (Years 5–6)

Area of Maths	Topics Covered
Number & Place Value	Large numbers, rounding, negative numbers
Four Operations	Efficient written methods, problem solving
Fractions, Decimals & Percentages	Converting between FDP, calculations
Ratio & Proportion	Scaling, recipes, comparisons
Algebra (Intro)	Missing number problems, simple formulae
Measurement	Area, perimeter, volume, unit conversion
Geometry	Angles, coordinates, reflection, translation
Statistics	Pie charts, averages, line graphs

Key Priorities Across KS1 & KS2

Skill Area	Why It Matters
Arithmetic Fluency	Essential for confidence and all future maths learning
Times Tables	Critical foundation for multiplication, division, fractions
Problem Solving	Builds reasoning and exam readiness
Mathematical Vocabulary	Helps pupils explain and understand concepts
Number Sense	Supports mental maths and estimation skills
Confidence Building	Reduces maths anxiety and improves engagement