

KS2 Maths Curriculum - Autumn Term 2026

3-Year Rolling Programme - Year A | 28 x 45-minute sessions | Mondays & Wednesdays

7 September - 16 December 2026 | Half term: 26-30 October | Progression: Secure -> Connect -> Apply -> Reason

Progressive KS2 Maths: Our three-year rolling curriculum uses a spiral approach to mathematics. Essential number concepts are deliberately revisited so children can secure gaps in understanding before progressing to increasingly complex applications, reasoning and problem solving. Returning learners build on previous knowledge through new challenges and deeper mathematical connections rather than simply repeating earlier work.

Sess	Date	Unit	Session focus	Progressive curriculum objectives
1	Mon 7 Sept	Number Sense: Building Stronger Number Skills	Flexible Number Sense	Read, represent and manipulate numbers appropriate to ability. Revisit place value before progressing to flexible partitioning and recombining numbers in different ways.
2	Wed 9 Sept	Number Sense: Building Stronger Number Skills	Comparing Numbers - Prove It!	Compare and order increasingly complex numbers. Use place-value reasoning to justify rather than simply identify which number is greater.
3	Mon 14 Sept	Number Sense: Building Stronger Number Skills	Build It, Break It, Change It	Develop flexible partitioning. Explore multiple ways of composing and decomposing numbers and explain how changing one digit affects the whole number.
4	Wed 16 Sept	Number Sense: Building Stronger Number Skills	Rounding With Reasoning	Secure rounding skills before progressing to missing-number and boundary problems. Explore the range of numbers that round to a given value.
5	Mon 21 Sept	Number Sense: Building Stronger Number Skills	Estimation: Is That Answer Sensible?	Use rounding and number sense to estimate calculations and quantities. Evaluate whether answers are reasonable and explain why.
6	Wed 23 Sept	Number Sense: Building Stronger Number Skills	Working Across Zero	Develop understanding of negative numbers through temperature, money and number lines. Progress to calculating and reasoning across zero.
7	Mon 28 Sept	Number Sense: Building Stronger Number Skills	Patterns, Rules & Predictions	Identify and continue increasingly complex number sequences. Describe rules, find missing values and make predictions using mathematical reasoning.
8	Wed 30 Sept	Number Sense: Building Stronger Number Skills	Number Sense Master Challenge	Apply place value, rounding, estimation, negative numbers and patterns to unfamiliar reasoning problems and mathematical puzzles.
9	Mon 5 Oct	Calculation: Becoming an Efficient Mathematician	Mental Calculation: Work Smarter	Strengthen mental addition and subtraction using partitioning, bridging, compensation and known facts. Compare methods and identify the most efficient.
10	Wed 7 Oct	Calculation: Becoming an Efficient Mathematician	Making Connections Between Calculations	Use known calculations to solve unfamiliar ones. Explore inverse operations and how changing one part of a calculation affects the answer.
11	Mon 12 Oct	Calculation: Becoming an Efficient Mathematician	Choosing & Refining Written Methods	Secure formal addition and subtraction methods appropriate to ability, with increasing complexity. Focus on place-value accuracy and explaining each stage.
12	Wed 14 Oct	Calculation: Becoming an Efficient Mathematician	Spot the Mistake!	Analyse deliberately incorrect calculations. Identify misconceptions, explain why an error occurred and correct the mathematical thinking.
13	Mon 19 Oct	Calculation: Becoming an Efficient Mathematician	Which Method Would You Choose?	Decide whether mental, informal or formal methods are most efficient for different calculations. Justify choices and use estimation or inverse operations to check.
14	Wed 21 Oct	Calculation: Becoming an Efficient Mathematician	Multi-Step Problem Solving	Apply addition and subtraction to increasingly complex problems. Identify relevant information, choose operations and explain reasoning.
15	Mon 2 Nov	Multiplicative Thinking: Making Connections	From Times Tables to Multiplicative Thinking	Revisit multiplication as equal groups, arrays and scaling, then explore how multiplication relationships can solve unfamiliar problems.
16	Wed 4 Nov	Multiplicative Thinking: Making Connections	Known Facts -> New Facts	Derive unknown facts from known multiplication facts using doubling, halving, commutativity and place-value relationships.
17	Mon 9 Nov	Multiplicative Thinking: Making Connections	Factors, Multiples & Connections	Develop understanding of factors and multiples through patterns and reasoning. More confident pupils explore common factors, common multiples and number properties.
18	Wed 11 Nov	Multiplicative Thinking: Making Connections	Scaling & Multiplicative Comparison	Understand multiplicative comparison: three times as many, half as much, scaling quantities, and distinguishing additive from multiplicative relationships.
19	Mon 16 Nov	Multiplicative Thinking: Making Connections	Efficient Multiplication Strategies	Compare mental and written multiplication strategies. Partition, use known facts and select efficient methods according to the numbers involved.
20	Wed 18 Nov	Multiplicative Thinking: Making Connections	Division: More Than Sharing	Connect division to grouping, sharing and multiplication. Use inverse relationships and known facts to solve increasingly complex division problems.
21	Mon 23 Nov	Multiplicative Thinking: Making	Remainders - What Do They	Calculate and interpret remainders in context. Decide whether a remainder should be

		Connections	Actually Mean?	retained, rounded, expressed as a fraction or interpreted practically according to ability.
22	Wed 25 Nov	Multiplicative Thinking: Making Connections	Multiplicative Reasoning Challenge	Combine multiplication, division, factors, multiples and scaling in unfamiliar problems. Explain and defend strategies.
23	Mon 30 Nov	Fractions: Developing Deeper Understanding	Fractions as Numbers	Move beyond recognising fractions of shapes. Understand fractions as numbers with a position on a number line and explore numerator and denominator relationships.
24	Wed 2 Dec	Fractions: Developing Deeper Understanding	Making Connections Between Fractions	Recognise and generate equivalent fractions using visual models and multiplicative relationships. Explain why fractions are equivalent.
25	Mon 7 Dec	Fractions: Developing Deeper Understanding	Compare It, Order It, Prove It	Compare and order fractions using reasoning rather than relying solely on rules. Use benchmarks, equivalence and numerator or denominator relationships.
26	Wed 9 Dec	Fractions: Developing Deeper Understanding	Fractions of Amounts - Think Multiplicatively	Find fractions of quantities and connect the process to division and multiplication. Apply skills to increasingly complex amounts.
27	Mon 14 Dec	Fractions: Developing Deeper Understanding	Fraction Detectives: Misconceptions & Reasoning	Investigate common misconceptions and use visual models and mathematical reasoning to prove or disprove fraction statements.
28	Wed 16 Dec	Fractions: Developing Deeper Understanding	Autumn Maths Master Challenge	Apply number sense, calculation, multiplication, division and fraction skills through interactive problems, puzzles, error spotting and reasoning challenges.

Mixed-age differentiation (7-11): All pupils work within the same mathematical concept, with number size, complexity and reasoning depth adjusted appropriately. Sessions progress from securing foundations to applying, explaining and proving mathematical ideas, allowing returning pupils to deepen their understanding while pupils with gaps can revisit essential skills.

Interactive delivery: Lessons can use quick-fire calculations, true/false questions, spot-the-mistake tasks, missing-number puzzles, 'Which one doesn't belong?', always/sometimes/never statements, reasoning prompts and problem-solving challenges to keep all pupils actively involved.