Key Stage 3 Progression Map

Mathematics Mastery

The KS3 Progression Map shows the units and lesson titles for all of Years 7-9.

As each unit is released, a detailed scheme of work is provided, including LOs and new terminology.

All updated Year 7 resources are available now on MyMastery, and the remaining units will become available half a term ahead of teaching. Year 8 is being released for 2026-27 teaching and will be followed by Year 9 for 2027-28.

Year 7 (2025-26)	Available	First teaching
Unit 1 The decimal number system	**Available now** on MyMastery!	AUT1 2025
L1 Base 10		
L2 Multiplying and dividing by 10s		
L3 Decimals		
L4 Decimals and number lines		
L5 Addition and subtraction		
Unit 2 Properties of arithmetic	**Available now** on MyMastery!	AUT1 2025
L1 Numerical expressions		
L2 Fact families		
L3 Commutativity		
L4 Rearranging		
L5 Associativity		
L6 Decomposition		
L7 Distributivity		
L8 Methods of multiplication		
Unit 3 Factors, multiples and primes	**Available now** on MyMastery!	AUT1 2025
L1 Multiples		
L2 Divisibility		
L3 Factors		
L4 Division methods		
L5 Square numbers		
L6 Prime numbers		
L7 Prime factor decomposition		
L8 Using prime factor decomposition		
L9 Highest common factor		
L10 Lowest common multiple		
L11 Using HCF and LCM		
Unit 4 Order of operations	**Available now** on MyMastery!	AUT2 2025
L1 Equal and unequal priority		
L2 Brackets		

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*Lesson titles and number of lessons per unit are subject to minor change.

L3 Squares and square roots		
L4 Using a calculator		
Unit 5 Negative numbers	**Available now** on MyMastery!	AUT2 2025
L1 Directed numbers		
L2 Adding directed numbers		
L3 Subtracting directed numbers		
L4 Multiplying negative numbers		
L5 Negative numbers and indices		
L6 Dividing negative numbers		
L7 Order of operations with negative numbers		
L8 Using a calculator		
L9 Negative numbers in context		
Unit 6 Expressions	**Available now** on MyMastery!	SPR1 2026
L1 Introduction to algebra		
L2 Simplifying (multiplication)		
L3 Simplifying (indices)		
L4 Substituting		
L5 Substituting (indices)		
L6 Collecting like terms		
L7 Expanding brackets		
L8 Expanding and collecting		
L9 Algebraic factors		
L10 Factorising		
Unit 7 Equations	**Available now** on MyMastery!	SPR1 2026
L1 Equality		
L2 Inverse operations		
L3 Solving 2-step equations		
L4 Solving equations with brackets		
Unit 8 Coordinates	**Available now** on MyMastery!	SPR1 2026
L1 Coordinates		
L2 Midpoints		
L3 Equations of simple lines		
L4 Introduction to gradient		
L5 Parallel lines		
Unit 9 Angles	**Available now** on MyMastery!	SPR1 2026
L1 Introduction to angles		
L2 Right angles and straight lines		
L3 Angles around a point		
L4 Measuring and drawing angles		
L5 Corresponding angles		
L6 Alternate angles		
L7 Co-interior angles		
L8 Mixed angle problems		

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Unit 10 Properties of 2-D shapes	**Available now** on MyMastery!	SPR2 2026
L1 Classifying triangles		
L2 Angles in triangles		
L3 Quadrilaterals		
L4 Parallelograms and rhombuses		
L5 Kites		
L6 Trapeziums		
L7 Rotational symmetry		
L8 Angles in triangles and quadrilaterals		
Unit 11 Conceptualising and comparing fractions	**Available now** on MyMastery!	SUM1 2026
L1 Representing fractions		
L2 Improper fractions and mixed numbers		
L3 Equivalent fractions		
L4 Comparing and ordering fractions		
L5 Simplifying fractions		
L6 Fractions and decimals		
L7 Converting fractions to decimals		
L8 Ordering fractions and decimals		
Unit 12 Manipulating and calculating fractions	**Available now** on MyMastery!	SUM1 2026
L1 Adding and subtracting fractions (related denominators)		
L2 Adding and subtracting fractions (different denominators)		
L3 Adding and subtracting fractions (by converting to decimals)		
L4 Fractions of integers		
L5 Multiplying fractions		
L6 Multiplying decimals		
L7 Reciprocals		
L8 Dividing with fractions		
L9 Four operations with fractions		
L10 Using a calculator with fractions		
Unit 13 Ratio and Proportion	**Available now** on MyMastery!	SUM2 2026
L1 Introduction to ratio		
L2 Ratios and fractions		
L3 Equivalent ratios		
L4 Simplifying ratios		
L5 Unit ratios		
L6 Best buys		
L7 Metric conversions		
L8 Scale diagrams and maps		
L9 Sharing in a ratio (1)		
L10 Sharing in a ratio (2)		
L11 Ratio in context		
Unit 14 Representing data		
L1 Collecting and recording data		

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L2 Interpreting frequency tables	**Available now** on MyMastery!	SUM2 2026
L3 Interpreting bar charts		
L4 Creating bar charts		
L5 Pictograms		
L6 Interpreting pie charts		
L7 Drawing pie charts		
L8 Time		
L9 Calculating with time		

Year 8 (2026-27)*	Available	First teaching
Unit 1 Accuracy and estimation	**Available now on MyMastery!**	AUT1 2026
L1 Rounding to powers of 10		
L2 Rounding to decimal places		
L3 Rounding to significant figures		
L4 Error intervals		
L5 Estimation		
L6 Estimation in context		
Unit 2 Percentages	**Available now** on MyMastery!	AUT1 2026
L1 Fractions, decimals and percentages		
L2 Writing one number as a percentage of another		
L3 Percentage of an amount (non-calculator)		
L4 Percentage of an amount (calculator)		
L5 Percentage increase and decrease (non-calculator)		
L6 Percentage increase and decrease (calculator)		
L7 Percentage problems		
L8 FDP and ratio		
Unit 3 Expressions	**Available now** on MyMastery!	AUT1 2026
L1 Expressions and division		
L2 Substituting		
L3 Forming expressions		
L4 Expanding brackets		
L5 Factorising		
Unit 4 Sequences	1st Sept 2026	AUT2 2026
L1 Term-to-term rule		
L2 Understanding the term-to-term rule		
L3 Introducing the nth term		
L4 Finding the nth term		
L5 Pictorial sequences		
L6 Applying the nth term		
L7 Special sequences		

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Unit 5 Equations	1st Sept 2026	AUT2 2026
L1 Simplifying and solving linear equations		
L2 Solving linear equations involving fractions		
L3 Forming and solving equations (worded problems)		
L4 Forming and solving equations (geometrical problems)		
L5 Rearranging equations		
Unit 6 Linear graphs	7th Sept 2026	AUT2 2026
L1 Introduction to $y = mx + c$		
L2 Using $y = mx + c$		
L3 Plotting straight lines (1)		
L4 Plotting straight lines (2)		
L5 Gradient (recap)		
L6 Equations of straight lines		
L7 Matching graphs		
Unit 7 Inequalities	2nd Nov 2026	SPR1 2027
L1 Understanding inequalities		
L2 Inequalities on a number line		
L3 Mixed inequalities		
Unit 8 Angles in polygons	9th Nov 2026	SPR1 2027
L1 Polygons		
L2 Exterior angles of regular polygons		
L3 Interior and exterior angles		
L4 Sum of interior angles		
L5 Calculating missing angles		
L6 Conjoined shapes		
L7 Polygons and algebra		
Unit 9 Proportion and real-life graphs	30th Nov 2026	SPR2 2027
L1 Direct proportion – unitary method		
L2 Direct proportion problems		
L3 Recipes		
L4 Conversion graphs		
L5 Introducing inverse proportion		
L6 Inverse proportion problems		
L7 Mixed proportion problems		
L8 Real-life graphs		
Unit 10 Area and perimeter	4th Jan 2027	SPR2 2027
L1 Perimeter		
L2 Perimeter of compound shapes		
L3 Perimeter problems		
L4 Area (rectangles, squares and parallelograms)		
L5 Area (triangles)		
L6 Area (trapezium)		
L7 Area of compound shapes		

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L8 Area problems		
L9 Metric units of area		
Unit 11 Circles	22nd Feb 2027	SUM1 2027
L1 Circle properties		
L2 Finding circumference		
L3 Using circumference		
L4 Perimeter of partial circles		
L5 Area of a circle		
L6 Compound shapes and circles		
L7 Mixed area problems		
Unit 12 Volume and surface area of prisms	1st Mar 2027	SUM1 2027
L1 Properties of 3D shapes		
L2 Cubes and cuboids		
L3 Triangular prisms		
L4 Other prisms		
L5 Volume of cylinders		
L6 Nets of prisms		
L7 Surface area of prisms		
L8 Surface area of cylinders		
Unit 13 Univariate data	22nd Mar 2027	SUM2 2027
L1 Mean		
L2 Median		
L3 Mode and range		
L4 Choosing and comparing averages		
L5 Problem solving with averages		
L6 Mean from ungrouped frequency tables		
L7 Mode and median from ungrouped frequency tables		
L8 Mean from grouped frequency tables		
L9 Median, mode and range from grouped frequency tables		
Unit 14 Bivariate data	12th Apr 2027	SUM2 2027
L1 Understanding scatter graphs		
L2 Lines of best fit		
L3 Two-way tables		

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Year 9 (2027-28)*	Available	First teaching
Unit 1 Equations and formulae	1 May 2027	AUT1 2027
L1 Solving equations with unknowns on both sides		
L2 Formulae		
L3 Rearranging		
L4 Rearranging with division		
Unit 2 Introduction to quadratics and cubics	SUM2 2027	AUT1 2027
L1 Introduction to quadratics		
L2 Expanding double brackets		
L3 Expanding triple brackets		
L4 Factorising quadratic expressions		
Unit 3 Simultaneous equations (graphical)	SUM2 2027	AUT1 2027
L1 Equations of straight lines (recap)		
L2 Introduction to simultaneous equations		
L3 Working with simultaneous equations		
L4 Plotting simultaneous equations		
Unit 4 Probability	SUM2 2027	AUT1 2027
L1 Systematic listing		
L2 The probability scale		
L3 Theoretical probability		
L4 Mutually exclusive events		
L5 Relative frequency		
L6 Expected outcomes		
L7 Sample space diagrams		
L8 Frequency trees		
Unit 5 Sets and Venn diagrams	AUT1 2027	AUT2 2027
L1 Venn diagrams		
L2 Set notation		
L3 Completing Venn diagrams		
L4 Interpreting Venn diagrams		
Unit 6 Applying angle theorems	AUT1 2027	AUT2 2027
L1 Basic angles (recap)		
L2 Angles in parallel lines (recap)		
L3 Angles chasing		
L4 Angle reasoning		
L5 Angles in 2-D shapes (recap)		
L6 Mixed polygon problems		
L7 Partial shapes		
L8 Angles and algebra		
Unit 7 Pythagoras' Theorem	AUT2 2027	SPR1 2028
L1 Types of number		
L2 Introduction to Pythagoras' theorem		

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L3 Using Pythagoras' theorem		
L4 Finding the hypotenuse		
L5 Finding a shorter side		
L6 Pythagoras and shape		
L7 Conjoined triangles		
L8 Problem solving with Pythagoras		
Unit 8 2-D Trigonometry	AUT2 2027	SPR1 2028
L1 Introduction to trigonometry		
L2 Identifying the ratio		
L3 Finding the shorter side		
L4 Finding the hypotenuse		
L5 Finding an angle		
L6 Shape problems		
L7 Trigonometry in context		
L8 Pythagoras and trigonometry		
Unit 9 Transformations	SPR1 2028	SPR2 2028
L1 Column vectors		
L2 Translating shapes		
L3 Describing translations		
L4 Rotating shapes		
L5 Describing rotations		
L6 Reflecting shapes (horizontal or vertical lines)		
L7 Reflecting shapes (diagonal lines)		
L8 Describing reflections		
Unit 10 Similarity and congruence	SPR1 2028	SPR2 2028
L1 Introduction to congruence		
L2 Using rules of congruence		
L3 Introduction to similarity		
L4 Finding lengths in similar shapes		
L5 Problem solving with similarity		
L6 Enlarging on a grid		
L7 Enlarging shapes		
L8 Describing enlargement		
Unit 11 Indices and standard form	SPR2 2028	SUM1 2028
L1 Negative powers		
L2 Powers of 10		
L3 Converting numbers into standard form		
L4 Converting numbers from standard form		
L5 Comparing numbers		
L6 Calculator skills		
Unit 12 Compound measures	SPR2 2028	SUM1 2028
L1 Units of compound measure		
L2 Speed, distance, time		

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L3 Problem solving with speed, distance, time		
L4 Density, mass, volume		
L5 Rates of pay		
L6 Introduction to distance-time graphs		
L7 Using distance-time graphs		
Unit 13 Growth and decay	SPR2 2028	SUM1 2028
L1 Simple interest		
L2 Reverse percentages		
L3 Exponential and reciprocal graphs		
Unit 14 Quadratic functions	SUM1 2028	SUM2 2028
L1 Features of quadratic graphs		
L2 Sketching quadratic graphs		
L3 Plotting quadratics		
Unit 15 Constructions	SUM1 2028	SUM2 2028
L1 Introduction to constructions		
L2 Perpendicular bisectors		
L3 Angle bisectors		
L4 Constructing angles		
L5 Constructing triangles (SSS)		
L6 Constructing triangles (ASA, SAS)		
L7 Constructing special triangles		

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