

Key Stage 3 Scheme of Work							
7	Aut	Number	Ratio, Proportion & Rates of Change	Algebra	Geometry & Measure	Statistics	Probability
				1. Sequences (2) 2. Notation and Substitution (2) 3. Expressions and Equations (2)	"We spot and describe number patterns (e.g. add 3 each time). This prepares us for finding rules and graphs in Y8 & Y9." Links forward to: - Y8 Sequences - Y9 Straight Line Graphs / Non-linear Graphs		
		4. Place Value, Ordering and Rounding (2) 5. Four Operations (2)	"We move between fractions, decimals and percentages and find parts of amounts. Links forward to: - Y8 Ratio & Proportion - Y9 Rates and Ratio This underpins ratio, proportion and rates later on."				
		7. Rounding and Estimation (1)					
		9. Fractions Decimals & Percentages (3) 10. Directed Number (2) 11. Fractions & Percentages of Amounts (2)				8. Graphing Data (3)	"We calculate averages and draw graphs. These skills support interpreting data and probability in later years." Links forward to: Y8 Interpret and Represent Data Y9 Sets & Probability
	13. Speed Distance & Time (3) 14. Properties of Number (3) 15. Add & Subtract Fractions (3)	"We compare quantities using ratio and scale. This develops into rates and real-life applications in Y9." Links forward to: Y9 Rates Y9 Maths and Money	12. Perimeter & Area (2)	"We calculate area and perimeter of simple shapes. These ideas extend into volume, density and more complex geometry." Links forward to: Y8 Area, Volume & Density Y9 Area, Volume & Pythagoras			
Sum			16. Angles and Polygons (3)				
8	Aut		1. Ratio (2) 2. Proportion and Scale (2)	3. Algebraic Manipulation (2) 4. Coordinates and Graphs (2)			
		5. Multiply and Divide Fractions (2)			6. Symmetry & Reflection (2)	"Angle relationships and circle facts build deeper geometrical reasoning. These are essential for similarity and trigonometry later." → Links forward to: Y9 Similarity Y9 Trigonometry	
	Spr	9. Percentages (3)	8. Equations and Inequalities (2) 10. Indices (2)	7. Area, Volume and Density (2)			
		11. Standard Form (1)			12. Interpret and Represent Data (2)		
	Sum	"We manipulate expressions, solve equations and revisit sequences. This leads directly to plotting and interpreting graphs." Links forward to: Y9 Straight Line Graphs Y9 Simultaneous Equations			13. Angles in Parallel Lines and Polygons (3) 15. Circles (2)	16. Graphs and Charts	14. Tables and Probability (3)
			17. Sequences				
9	Aut	1. Properties of Number (2) 2. Percentages (2)	6. Rates (2)	4. Equations, Inequalities and Formulae	3. Area and Volume (2)	"We represent data in graphs and tables and explore probability. This prepares us for sets and more formal probability work." Links forward to: Y9 Sets and Probability	
		5. Fractions (1)					
		7. Standard Form					
	Spr	8. Maths and Money (3)	10. Ratio and Proportion (2)	9. Straight Line Graphs (2)	"We connect equations, graphs and real situations. This draws together prior work on sequences, equations and coordinates." Links back to: Y7 Sequences Y8 Algebraic Manipulation	"We apply geometry to calculate lengths and angles in real contexts. This relies on area, shape properties and similarity." Links back to: Y7 Area & Perimeter Y8 Similarity and Shapes	
				13. Algebraic Manipulation (2)			11. Constructions and Congruence (2) 12. Similarity (1)
	Sum			15. Non-linear Graphs 18. Simultaneous Equations	14. Pythagoras' Theorem 17. Transformations (2) 19. Trigonometry (2)	"We combine data handling and probability using sets and diagrams. This draws together statistics skills from across KS3." Links back to: Y7 Graphing Data Y8 Probability Tables	16. Sets and Probability (2)