

Year 8 Objectives

		Week	Topic	Sub-topic
Term 1	Term 1a	1	8.1 Number	8.1.1 Order of operations
		2 and 3		8.1.2 Prime factorisation, LCM, HCF, Squares, Cubes
		4		8.1.3 Indices
		5		8.1.4 Rounding, significant figures and estimation
		6		8.1.5 Multiply and divide fractions and mixed numbers
		7		8.1.6 Using a calculator
				8.1.7 Compulsory RICH task
				8.1.8 End of topic test and numeracy assessment
		Half Term		
	Term 1b	1	8.2 Algebraic Expressions	8.2.1 Calculate and evaluate expressions with rational numbers (substitution)
		2 and 3		8.2.2 Algebraic manipulation
		4 and 5		8.2.3 Linear equations
		6		8.2.4 Negative numbers and inequality
		7		8.2.5 Real life expressions and equations
		8.2.6 Rich Tasks		
8		8.2.7 End of topic test and numeracy assessment		

		Week	Topic	Objectives
Term 2	Term 2a	1 and 2	8.3 2D Geometry	8.3.1 Draw accurate triangles and quadrilaterals
		3		8.3.2 Find unknown angles (including parallel lines)
		4 and 5		8.3.3 Area and perimeter of composite figures
				8.3.4 Area of trapeziums
		6		8.3.5 Convert between units of measurement
		7		8.3.6 RICH task
		7		8.3.7 End of topic test and numeracy assessment
		Half Term		
	Term 2b	1	8.4 Proportional Reasoning	8.4.1 Convert between percentages, fractions and decimals
		2		8.4.2 Percentage increase and decrease
		3		8.4.3 Ratio (equivalent and of a quantity)
		4		8.4.4 Speed, distance and time
5		8.4.5 Multiply and divide fractions		
6		8.4.6 RICH tasks		

		Week	Topic	Objectives
Term 3	Term 3a	1	8.5 3D Geometry	8.5.1 Conversion between volume units
		2		8.5.2 Visualise and identify 3D shapes and their nets
		3		8.5.3 Area and Circumference of a circle
		4		8.5.4 Surface area and volume of a cuboid, prism, cylinder, composite solids
		5		8.5.5 RICH tasks
				8.5.6 End of topic test and numeracy assessment
		Half Term		
	Term 3b	1	8.6 Statistics	8.6.1 Collecting and organising data
		2, 3 and 4		8.6.2 Construction and interpretation of graphs, pictograms, bar charts, histograms, line graphs
		5		8.6.3 Interpret and compare statistical representations using median, mode and range
		6		8.6.4 RICH Tasks
		8.6.5 End of year assessment		
	7	Activity Week		