

2020 – 2021 Mathematics Overview ➔ Year 6

[illegible]

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Unit	Lessons			Key 'Build a Mathematician' (BAM) Indicators	Essential knowledge
	Autumn	Spring	Summer		
Numbers and the number system	8	--	--	<ul style="list-style-type: none">Multiply and divide numbers with up to three decimal places by 10, 100, and 1000Use long division to divide numbers up to four digits by a two-digit numberUse simple formulae expressed in wordsGenerate and describe linear number sequencesUse simple ratio to compare quantitiesWrite a fraction in its lowest terms by cancelling common factorsAdd and subtract fractions and mixed numbers with different denominatorsMultiply pairs of fractions in simple casesFind percentages of quantitiesSolve missing angle problems involving triangles, quadrilaterals, angles at a point and angles on a straight lineCalculate the volume of cubes and cuboidsUse coordinates in all four quadrantsCalculate and interpret the mean as an average of a set of discrete data	<ul style="list-style-type: none">Know percentage and decimal equivalents for fractions with a denominator of 2, 3, 4, 5, 8 and 10Know the rough equivalence between miles and kilometresKnow that vertically opposite angles are equalKnow that the area of a triangle = base × height ÷ 2Know that the area of a parallelogram = base × heightKnow that volume is measured in cubesKnow the names of parts of a circleKnow that the diameter of a circle is twice the radiusKnow the conventions for a 2D coordinate gridKnow that mean = sum of data ÷ number of pieces of data
Checking, approximating and estimating	4	--	--		
Calculating	6	--	--		
Calculating: division	7	--	--		
Visualising and constructing	7	--	--		
Investigating properties of shapes	8	--	--		
Algebraic proficiency: using formulae	--	3	--		
Exploring fractions, decimals and percentages	10	--	--		
Proportional reasoning	--	--	7		
Pattern sniffing	--	5	--		
Measuring space	--	5	--		
Investigating angles	5	--	--		
Calculating fractions, decimals and percentages	--	12 + 7	--		
Solving equations and inequalities	--	--	8		
Calculating space	8	--	--		
Mathematical movement	--	10	--		
Presentation of data	--	5	--		
Measuring data	--	3	--		
Secondary transition	--	--	18		
Total:				Stage 6 BAM Progress Tracker Sheet	