2020 – 2021 Mathematics Overview → Year 5

w/c	Topic	w/c	Topic	w/c	Topic	w/c	Topic	w/c	Topic	w/c	Topic
31/8/2020	Return - 1/9/2020	2/11/2020	Calculating: multiplication and division 1 of 2	4/1/2021	Mental Arithmetic Assessment Exploring fractions, decimals and percentages	22/2/2021	Mental Arithmetic Assessment Mathematical movement	19/4/2021	Mental Arithmetic Assessment Calculating fractions, decimals and percentages	7/6/2021	Investigating angles
7/9/2020	Counting and comparing 1	9/11/2020		11/1/2021		1/3/2021		26/4/2021		14/6/2021	Visualising and constructing **Nets**
14/9/2020	Numbers and the number system 1 of 2	16/11/2020	Measuring space	18/1/2021		8/2021		3/5/2021		21/6/2021	
21/9/2020		23/11/2020		25/1/2021	Investigating properties of shapes	15/3/2021	Whole School Assessment Week (Wed onwards)	10/5/2021	Checking, approximating and estimating	28/6/2021	Mental Arithmetic Assessment Exploring time
28/9/2020	Calculating: addition and subtraction	30/11/2020	Whole School Assessment Week (Wed onwards)	1/2/2021	Calculating: multiplication and division 2 of 2	22/3/2021	Calculating space	17/5/2021	Investigating angles	12/7/2021	Whole School Assessment Week (Wed onwards)
5/10/2020		7/12/2020	Numbers and the number system 2 of 2	8/2/2021		29/3/2021		24/5/2021	Mental Arithmetic Assessment		Counting and comparing II
12/10/2020	Presentation of data	14/12/2020								19/7/2021	22/7/2020 onwards - holiday
19/10/2020											

2020 – 2021 Mathematics Overview ➔Year 5

Unit	Lessons			Key 'Build a Mathematician (BAM) Indicators	Essential knowledge
	Autumn	Spring	Summer		
Numbers and the number system	7 + 10	--	--	• Identify multiples and factors of a number	• Know the place value headings up to millions
Counting and comparing 1	7	--	--	• Count forwards and backwards through zero	• Recall primes to 19
Calculating: addition and subtraction	12	--	--	• Round to one decimal place	• Know the first 12 square numbers
Visualising and constructing	--	--	10	• Use columnar addition and subtraction with numbers of any size	• Know the Roman numerals I, V, X, L, C, D, M
Calculating: multiplication and division	10	10	--	• Multiply a three- or four-digit number by a two-digit number using long multiplication	• Know the % symbol
Investigating properties of shapes	--	5	--	• Divide numbers up to four-digits by a single-digit number using short division and interpret the remainder	• Know percentage and decimal equivalents for $^1/_2$, $^1/_4$, $^1/_5$, $^2/_5$, $^4/_5$
Exploring fractions, decimals and percentages	--	15	--	• Add and subtract fractions with denominators that are multiples of the same number	• Know rough conversions between metric and Imperial units
Measuring space	10	--	--	• Write decimals as fractions	• Know that angles are measured in degrees
Investigating angles	--	--	10 + 5	• Understand that per cent relates to number of parts per hundred	• Know angles in one whole turn total 360°
Calculating fractions, decimals and percentages	--	--	15	• Convert between adjacent metric units of measure for length, capacity and mass	• Know angles in half a turn total 180°
Calculating space	--	10	--	• Measure and draw angles	• Know that area of a rectangle = length × width
Checking, approximating and estimating	--	--	5	• Calculate the area of rectangles	
Mathematical movement	--	15	--	• Distinguish between regular and irregular polygons	
Counting and comparing II	--	--	7		
Exploring time	--	--	5	Stage 5 BAM Progress Tracker Sheet	
Presentation of data	10	--	--		
Preventing the gap / Going deeper					
Total:					