



Brackenwood Junior School Maths Long Term Intent Y5 2022/23

	III. 20 4 Diagram Value	1112'0 Black Value 2013	LLCC ALECT	Half A. Oardanad	Title	H-20 Market
	Unit 1 - Place Value	Unit 2 – Place Value within	Unit 3 – Addition and	Unit 4 – Graphs and tables	Unit 5 – multiplication	Unit 6 – Measure –
A 4	within 100,000	1,000,000	Subtraction		and Division	area and perimeter
Autumn	-Read, write, order	-Read, write, order and	-Estimate and use	-Solve comparison,	-Identify multiples and	-Measure and calculate
	and compare numbers to at least 1 000 000	compare numbers to at least 1	inverse operations to	sum and difference	factors, including	the perimeter of
		000 000 and determine the	check answers to a calculation	problems using	finding all factor pairs	composite rectilinear
	and determine the	value of each digit		information presented	of a number, and	shapes in centimetres and metres
	value of each digit -Count forwards or	-Count forwards or backwards	-Add and subtract	in a line graph	common factors of two	
		in steps of powers of 10 for any	whole numbers with	-Complete, read and	numbers	-Calculate and
	backwards in steps of	given number up to 1 000 000	more than 4 digits,	interpret information in	-Know and use the	compare the area of
	powers of 10 for any	-Interpret negative numbers in	including using formal	tables, including	vocabulary of prime	rectangles (including
	given number up to 1	context, count forwards and	written methods	timetables	numbers, prime factors	squares), and including
	000 000	backwards with positive and	(columnar addition and		and composite (non-	using standard units,
	-Round any number	negative whole numbers,	subtraction)		prime) numbers	square centimetres
	up to 1 000 000 to the	including through zero	-Add and subtract		-Establish whether a	(cm²) and square
	nearest 10, 100, 1000, 10 000 and 100 000	-Round any number up to 1 000	numbers mentally with		number up to 100 is	metres (m²) and estimate the area of
		000 to the nearest 10, 100,	increasingly large		prime and recall prime	
	-Solve number	1000, 10 000 and 100 000	numbers		numbers up to 19	irregular shapes
	problems and practical	-Solve number problems and	-Use rounding to check		-Multiply and divide	
	problems that involve	practical problems that involve	answers to calculations		whole numbers and	
	all of the above	all of the above	and determine, in the		those involving	
	-Read Roman		context of a problem,		decimals by 10, 100	
	numerals to 1000 (M)		levels of accuracy		and 1000	
	and recognise years		-Solve addition and		-Recognise and use	
	written in Roman		subtraction multi-step		square numbers and	
	numerals		problems in contexts,		cube numbers, and the	
			deciding which		notation for squared (2)	
			operations and		and cubed (3)	
			methods to use and		-Solve problems	
			why		involving multiplication	
					and division including	
					using their knowledge	
					of factors and	
					multiples, squares and	
					cubes	
					-Solve problems	
					involving multiplication	
					and division, including	
					scaling by simple	
					fractions and problems	
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	Unit 7 – Multiplication	Unit 8 – Fractions	Unit 9 - Fractions	Unit 10 - Fractions	Unit 11 – Decimals and	
	and Division				percentages	

Spring	-Multiply numbers up	-Compare and order fractions	-Recognise mixed	-Multiply proper	-Identify, name and	
	to 4 digits by a one- or	whose denominators are all	numbers and improper	fractions and mixed	write equivalent	
	two-digit number using	multiples of the same number	fractions and convert	numbers by whole	fractions of a given	
	a formal written	-Identify, name and write	from one form to the	numbers, supported by	fraction, represented	
	method, including long	equivalent fractions of a given	other and write	materials and diagrams	visually, including	
	multiplication for two-	fraction, represented visually,	mathematical	······g·····	tenths and hundredths	
	digit numbers	including tenths and	statements > 1 as a		-Read and write	
	-Multiply and divide	hundredths	mixed number [for		decimal numbers as	
	numbers mentally	-Recognise mixed numbers and	example, 2/5 + 4/5		fractions [for example,	
	drawing upon known	improper fractions and convert	=6/5 = 1 1/5]		0.71 = 71/100]	
	facts	from one form to the other and	-Add and subtract		-Recognise and use	
	-Divide numbers up to	write mathematical statements	fractions with the same		thousandths and relate	
	4 digits by a one-digit	> 1 as a mixed number [for	denominator and		them to tenths,	
	number using the	example, $2/5 + 4/5 = 6/5 = 1$	denominators that are		hundredths and	
	formal written method	example, 2/3 + 4/3 = 6/3 = 1 1/5	multiples of the same		decimal equivalents	
	of short division and	Read, write, order and	number		-Round decimals with	
	interpret remainders	compare numbers with up to	Humber		two decimal places to	
	appropriately for the	three decimal place			the nearest whole	
		l infee decimal place			number and to one	
	context					
					decimal place	
					-Read, write, order and	
					compare numbers with	
					up to three decimal places	
					-Recognise the per	
					cent symbol (%) and	
					understand that per cent relates to 'number	
					of parts per hundred',	
					and write percentages	
					as a fraction with	
					denominator 100, and	
					as a decimal	
					-Solve problems which	
					require knowing	
					percentage and	
					decimal equivalents of	
					1/2, 1/4, 1/5, 2/5, 4/5	
					and those fractions	
					with a denominator of a	
	11 '' 40 D	11 11 10 0	11.74.4.0	11.74.75	multiple of 10 or 25	11 2 47 14
	Unit 12 - Decimals	Unit 13 Geometry – properties	Unit 14 Geometry –	Unit 15 – Geometry –	Unit 16 – Measure –	Unit 17 – Measure –
		of shapes	properties of shapes	position and direction	converting units	volume and capacity

		,	,			
Summer	-Recognise and use	-Know angles are measured in	-Identify 3-D shapes,	-Identify, describe and	-Convert between	-Estimate volume [for
	thousandths and	degrees: estimate and compare	including cubes and	represent the position	different units of metric	example, using 1 cm ³
	relate them to tenths,	acute, obtuse and reflex angles	other cuboids, from 2-D	of a shape following a	measure (for example,	blocks to build cuboids
	hundredths and	-Draw given angles, and	representation	reflection or translation,	kilometre and metre;	(including cubes)] and
	decimal equivalents	measure them in degrees (°)	-Draw given angles,	using the appropriate	centimetre and metre;	capacity [for example,
	-Read, write, order	-Use the properties of	and measure them in	language, and know	centimetre and	using water
	and compare numbers	rectangles to deduce related	degrees (°)	that the shape has not	millimetre; gram and	_
	with up to three	facts and find missing lengths	-Use the properties of	change	kilogram; litre and	
	decimal places	and angles	rectangles to deduce	_	millilitre	
	-Solve problems	-Angles at a point and one	related facts and find		-Understand and use	
	involving number up to	whole turn (total 360°)	missing lengths and		approximate	
	three decimal places	-Angles at a point on a straight	angle		equivalences between	
	·	line and 1/2 a turn (total 180°)	-Distinguish between		metric units and	
		,	regular and irregular		common imperial units	
			polygons based on		such as inches, pounds	
			reasoning about equal		and pint	
			sides and angle		-Solve problems	
					involving converting	
					between units of time	
					-Use all four operations	
					to solve problems	
					involving measure [for	
					example, length, mass,	
					volume, money] using	
					decimal notation,	
					including scaling	