



Brackenwood Junior School

Power Maths
Long Term Plan

Y5

	Unit 1 - Place Value	Unit 2 – Place Value within	Unit 3 – Addition and	Unit 4 – Graphs and	Unit 5 – multiplication	Unit 6 – Measure –	
	within 100,000	1,000,000	Subtraction	tables	and Division	area and perimeter	
Autu		-Read, write, order and	-Estimate and use	-Solve comparison,	-Identify multiples and	-Measure and calculate	
	and compare numbers	compare numbers to at least 1	inverse operations to	sum and difference	factors, including	the perimeter of	
	to at least 1 000 000	000 000 and determine the	check answers to a	problems using	finding all factor pairs	composite rectilinear	
	and determine the	value of each digit	calculation	information presented	of a number, and	shapes in centimetres	
	value of each digit	-Count forwards or backwards	-Add and subtract	in a line graph	common factors of two	and metres	
	-Count forwards or	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,	-Round any number up to 1 000	numbers mentally with		number up to 100 is	metres (m²) and	
	10 000 and 100 000	000 to the nearest 10, 100,	increasingly large		prime and recall prime	estimate the area of	
	-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		
					ů .		
		Unit 8 – Fractions	Unit 9 - Fractions	Unit 10 - Fractions			
	and Division				percentages		
	Unit 7 – Multiplication Unit 8 – Fractions Unit 9 - Fractions Unit 10 - Fractions Unit 11 – Decimals and percentages						

Corina	Multiply pumborous	Compare and order fractions	December mixed	Multiply proper	Identify name and	
Spring	-Multiply numbers up	-Compare and order fractions whose denominators are all	-Recognise mixed	-Multiply proper	-Identify, name and	
	to 4 digits by a one- or		numbers and improper fractions and convert	fractions and mixed	write equivalent	
	two-digit number using a formal written	multiples of the same number	from one form to the	numbers by whole	fractions of a given	
		-Identify, name and write		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		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=11/5		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	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			two decimal places to	
	appropriately for the	three decimal place			the nearest whole	
	context				number and to one	
					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	
					multiple of 10 or 25	
	Unit 12 Desimals	Unit 12 Coometry properties	Unit 14 Coometry	Unit 15 Coometry	Unit 16 – Measure –	Unit 17 – Measure –
	Unit 12 - Decimals	Unit 13 Geometry – properties	Unit 14 Geometry –	Unit 15 – Geometry –		
		of shapes	properties of shapes	position and direction	converting units	volume and capacity