

West Byfleet Infant School
Maths Medium Term Planning

Autumn Term 1		
Wk	Strands	Weekly Summary
1	Number and place value (NPV); Mental addition and subtraction (MAS)	Count up to 20 objects (match number to object); estimate and count up to 30 objects; count on and back and order numbers to 10; recognise domino/dice arrays without counting; identify a number 1 more (next number in count)
2	Mental addition and subtraction (MAS); Problem solving, reasoning and algebra (PRA)	Find pairs that make 5; subitise to 5; find pairs that make 6; subitise to 6; find pairs that make 10; subitise fingers to 10; match pairs to 5, 6 and 10 to number sentences; find missing numbers in number sentences
3	Mental multiplication and division (MMD); Mental addition and subtraction (MAS)	Double numbers 1 to 5; find 1 and 2 more; count back 1 and begin to find 1 less
4	Geometry: properties of shapes (GPS); Statistics (STA)	Recognise, name and describe squares, rectangles, circles and triangles; recognise basic line symmetry; sort 2D shapes according to their properties, using Venn diagrams and Carroll diagrams
5	Number and place value (NPV); Mental addition and subtraction (MAS)	Read and write numbers and number-names to 20; compare and order numbers to 20; identify 1 more and 1 less; estimate sets of objects, count to check and order sets according to size; understand 0 as the empty set

Autumn Term 2		
Wk	Strands	Weekly Summary
6	Number and place value (NPV)	Understand and then make teen numbers (10 and some 1s); compare and order numbers to 20, then 30; find the number between two numbers with a difference of 2; understand and use ordinal numbers
7	Mental addition and subtraction (MAS); Problem solving, reasoning and algebra (PRA)	Revise bonds to 5, 6 and 10; find pairs which make 7; use addition facts for 5, 6 and 10 to solve subtractions; use number facts for 5, 6 and 10 to solve word problems
8	Geometry: position and direction (GPD); Measurement (MEA)	Describe position and direction using common words (including half turns); compare lengths and heights; estimate, compare and measure lengths using uniform non-standard and standard units
9	Mental addition and subtraction (MAS); Mental multiplication and division (MMD)	Add 1, 2 and 3 by counting on; subtract 1, 2, 3 or more by counting back; begin to add three small numbers by spotting bonds to 10 or doubles (1-6)
10	Number and place value (NPV); Measurement (MEA)	Compare and order numbers to 20; recognise coins and know values (up to £2); begin to make amounts in pence; understand teen numbers are 10 and some 1s

Spring Term 1		
Wk	Strands	Weekly Summary
11	Number and place value (NPV); Mental addition and subtraction (MAS)	Say the number one more or less and two more or less using a number line or a 100 grid; locate 2-digit numbers on a 100 grid and a 1-100 bead string; read, write and say 2-digit numbers and understand them as some tens and some ones
12	Mental addition and subtraction (MAS); Problem solving, reasoning and algebra (PRA); Mental multiplication and division (MMD)	Revise pairs to 5, 6, 7, 10 and doubles to double 6; derive subtraction facts; understand a symbol being used for an unknown; use number facts to solve simple addition and subtraction word problems; find pairs of numbers with a total of 8
13	Mental addition and subtraction (MAS)	Add by putting the larger number first and counting on (numbers up to 100), spotting unit patterns; count on from 2-digit numbers; add a 1-digit number to a 2-digit number
14	Geometry: properties of shapes (GPS); Statistics (STA); Measurement (MEA)	Name, recognise and know the properties of 3D shapes: cube, cuboid, cone, cylinder and sphere; begin to sort 3D shapes according to properties; order and name the days of the week and

		months of the year; recognise and name the seasons
15	Number and place value (NPV); Mental multiplication and division (MMD)	Count on and back in tens from any number; begin to count in 5s and 2s recognising multiples of 5 end in 5 and 0; chn begin to count in 2s; estimate a number of objects within a range and count by grouping into 10s or 5s

Spring Term 2		
Wk	Strands	Weekly Summary
16	Number and place value (NPV); Mental multiplication and division (MMD); Fractions, ratio and proportion (FRP)	Recognise odd and even numbers; count objects in 5s and 10s and begin to say 5 lots and 10 lots; find half, quarter and three quarters of shapes; begin to know that two halves and four quarters are a whole and that two quarters is a half
17	Mental addition and subtraction (MAS); Mental multiplication and division (MMD); Problem solving, reasoning and algebra (PRA)	Find and begin to know doubles to double 10; revise pairs to 5, 6, 7, 8, 9 and 10 and derive related subtraction facts; use knowledge of pairs of 10 to make pairs to 20; use number facts to solve word problems
18	Measurement (MEA)	Relate units of time weeks, days, hours; divide the days up into parts; read and write times to the hour; begin to have a notion of how long an hour is and how long a minute is; tell the time (o'clock and half past) on analogue and digital clocks; measure using uniform units (cubes and rulers)
19	Mental addition and subtraction (MAS)	Add a 1-digit number by counting on from a 2-digit number, not crossing 10s at first, then beginning to cross 10s; subtract a 1-digit number by counting back initially from numbers up to 30 (not crossing 10s) and then generally from a 2-digit number (not crossing 10s) and from multiples of 10
20	Number and place value (NPV); Mental addition and subtraction (MAS)	Locate 2-digit numbers on a 100-square; begin to recognise 2-digit numbers as some 10s and 1s; make 2-digit numbers using 10p and smaller coins; find 1 more or 1 less than any number to 100; find 10 more than any number to 90; find 10 less than any number to 100

Summer Term 1		
Wk	Strands	Weekly Summary
21	Number and place value (NPV); Mental addition and subtraction (MAS); Problem solving, reasoning and algebra (PRA)	Find 1 more, 1 less, 10 more, 10 less than any 2-digit number; explore patterns on the 100-square; understand place value in 2-digit numbers and identify 10s and 1s
22	Mental addition and subtraction (MAS)	Use number facts to add and subtract 1-digit numbers to/from 2-digit numbers; add pairs of 1-digit numbers with totals above 10; sort out additions into those you 'just know' and those you need to work out
23	Mental addition and subtraction (MAS)	Add three small numbers, spotting pairs to 10 and doubles; add and subtract 10 to and from 2-digit numbers
24	Measurement (MEA); Statistics (STA)	Compare weights and capacities using direct comparison; measure weight and capacity using uniform non-standard units; complete tables and block graphs, recording results and information; make and use a measuring vessel for capacity
25	Number and place value (NPV); Mental multiplication and division (MMD); Fractions, ratio and proportion (FRP); Measurement (MEA)	Find half of all numbers to 10 and then to 20; identify even numbers and begin to learn halves; recognise halves and quarters of shapes and begin to know $2/2=1$, $4/4=1$ and $2/4=1/2$; recognise, name and know value of coins 1p-£2 and £5 and £10 notes; solve repeated addition problems using coins; make equivalent amounts using coins

Summer Term 2		
Wk	Strands	Weekly Summary
26	Number and place value (NPV)	Locate 2-digit numbers on a beaded line and 100-square; compare and order 2-digit numbers up to 100 and say a number between two numbers; identify 10s and 1s in 2-digit numbers and solve place-value additions
27	Number and place value (NPV);	Recognise odd and even numbers; count in 2s, 5s and 10s, look for

	Mental multiplication and division (MMD); Problem solving, reasoning and algebra (PRA); Fractions, ratio and proportion (FRP)	patterns; multiply by 2, 5, 10 by counting in groups/sets; find doubles to double 10 and related halves; halve odd numbers up to 10
28	Measurement (MEA); Statistics (STA); Geometry: properties of shapes (GPS); Geometry: position and direction (GPD)	Tell the time to the half hour and quarter hour on analogue clocks and begin to read these times on digital clocks; revise months of the year; read, interpret and create a pictogram; begin to recognise and read block graphs; measure lengths using non-standard, uniform units; recognise and name simple 2D shapes and continue repeating patterns
29	Mental addition and subtraction (MAS)	Use number facts to add and subtract 1-digit numbers to and from 2-digit numbers; find change from 10p and from 20p
30	Number and place value (NPV); Mental addition and subtraction (MAS); Mental multiplication and division (MMD)	Locate 2-digit numbers on a bead string and a 1-100 square; order numbers to 100; identify 10s and 1s in 2-digit numbers; say or write 1 more and 1 less and 10 more and 10 less than any number to 100; explore patterns in 10s, 5s and 2s on a 9x9 grid; count in tens from any given number