Year 2		
Autumn Term (7 weeks + 7 weeks = 14 weeks)	Small steps	Key vocab
Number and Place value (4 weeks) **2N1** Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward or backward **2N2a** Compare and order numbers from 0 up to 100; use <, > and = signs **2N2c** Read and write numbers to at least 100 in numerals and in words **2N3** Recognise the place value of each digit in a two-digit number (tens, ones) **2N4** Identify, represent and estimate numbers using different representations, including the number line	Numbers to 20 Count objects to 100 by making 10s Recognise 10s and 1s Use a place value chart Partition numbers to 100 Write numbers to 100 in words Flexibly partition numbers to 100 Write numbers to 100 in expanded form 10s on the number line to 100 Estimate numbers on a number line Compare objects Compare numbers Order objects and numbers Count in 2s, 5s and 10s Count in 3s	Count, forwards, backwards, numerals, digits, represent, estimate, tens, ones, place value, partition, number line, compare, order, more than, less than, equal to, count in multiples.
Addition and subtraction (5 weeks) **2C1a** Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 **2C1b** Add and subtract numbers mentally, including: •a two-digit number and ones • a two-digit number and tens •two two-digit numbers •adding three one-digit numbers **2C2** Add and subtract numbers using concrete objects and pictorial representations, including: •a two-digit number and •a two-digit number and tens •two two-digit numbers •adding three one-digit numbers **2C3** recognise and use the inverse relationship between addition and subtraction and use this to check calculations and missing number problems **2C4** Solve problems with addition and subtraction: • using concrete objects and pictorial representations, including those involving numbers, quantities and measures applying their increasing knowledge of mental and written method **2C9a** Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot NTS assessment week	Bonds to 10 Fact families - addition and subtraction bonds within 20 Related facts Bonds to 100 (tens) Add and subtract 1s Add by making 10 Add three 1-digit numbers Add to the next 10 Add across a 10 Subtract across a 10 Subtract from a 10 Subtract a 1-digit number from a 2-digit number (across a 10) 10 more, 10 less Add and subtract 10s Add two 2-digit numbers (not across a 10) Add two 2-digit number (across a 10) Subtract two 2-digit numbers (not across a 10) Subtract two 2-digit numbers (across a 10) Mixed addition and subtraction Compare number sentences Missing Number problems (Inverse)	Add, plus, sum, more, total, altogether, subtract, less, difference, equals, parts, whole, altogether, bonds, relationship, inverse, partition, jump, pictorial, resources, commutative, inverse, equation, calculation, biggest, smallest, equal to, more than, less than, compare.
Fractions (2 weeks) **2F1a** Recognise, find, name and write fractions ½ and ¼ of a length, shape, set of objects or quantity **2F1b** Write simple fractions [eg:1/2 of 6 = 3]	Introduction to parts and whole Equal and unequal parts Recognise a half Find a half Recognise a quarter Find a quarter	Whole, part, denominator, numerator, parts, equal parts, half, quarter.

Geometry – 2-D and 3-D shapes (2 weeks) 2G1a Compare and sort common 2-D shapes and everyday objects 2G1b Compare and sort common 3-D shapes and everyday objects 2G2a Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line 2G2b Identify and describe the properties of 3-D shapes including the number of edges, vertices and faces 2G3 Identify 2-D shapes on the surface of 3-D shapes.	Recognise 2-d and 3-d shapes Count sides on 2-shapes Count vertices on 2-d shapes Draw 2-d shapes Lines of symmetry on shapes Use lines of symmetry to complete shapes Sort 2-shapes Count faces on 3-d shapes Count edges on 3-d shapes Count vertices on 3-d shapes Sort 3-d shapes Make patterns with 2-d and 3-d shapes	Properties, 2 dimensional, sides, corners, lines of symmetry, vertical line, halves, fold, parts, match, compare, 3 dimensional, faces, edges, vertices (more than one) vertex (one)
Spring Term – (6 weeks + 7 weeks = 13 weeks)	Small steps	Key vocab
Multiplication and Division (5 weeks) 2C6 Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers 2C7 Calculate mathematical statements for multiplication within the multiplication tables and write them using the multiplication (×) and equals (=) signs 2C7b Calculate mathematical statements for division within the multiplication tables and write them using the division (÷) and equals (=) signs 2C8 Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts 2C9b Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot	Recognise equal groups Make equal groups Add equal groups Introduce the multiplication symbol Multiplication sentences Use arrays Make equal groups – grouping Make equal groups – sharing The 2 times-table Divide by 2 Doubling and halving Odd and even numbers The 10 times-table Divide by 10 The 5 times-table Divide by 5 The 5 and 10 times table	Equal groups, total, bar model, equal amounts, repeated addition, multiplication, groups of, multiple of, times, lots of, multiply, times tables, equals, odd, even, commutative Divide, divided by, divide into, sharing, equal groups of, shared between, division facts, arrays, repeated addition, bar model
Money (2 weeks) 2M3a Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value 2M3b Find different combinations of coins that equal the same amounts of money 2M9 Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change	Count money – pence Count money – pounds (notes and coins) Count money – pounds and pence Choose notes and coins Make the same amount Compare amounts of money Calculate with money Make a pound Find change Two-step problems	Amount, total, pence, pound, coin, note, total cost, altogether, compare, more than, less than, equal to, change, pay, spent
Measurement – Length and height (2 weeks) 2M1 Compare and order lengths and record the results using >, < and = 2M2 Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm) to the nearest appropriate unit using rulers NTS assessment week	Measure in centimetres Measure in metres Compare lengths and heights Order lengths and heights Four operations with lengths and heights	Length, height, width, tall, taller, tallest, short, shorter, shortest, long longer, longest, small, ruler, accuracy, centimetres, metres, metre stick, more than, less than, equal to, unit of measurement.

Measurement – Mass, capacity and temperature (2 weeks)	Heavier and lighter	Mass, balance, weight, weighing scales, lightest, heaviest, greater than, less than equal to, grams, kilograms, unit of measurements,
2M1 Compare and order lengths, mass, volume/capacity and record the results using >, < and =	Measure mass	
	Compare mass	
	Measure in grams	
2M2 Choose and use appropriate standard units to estimate and mass (kg/g); temperature (°C); capacity (litres/ ml) to the nearest appropriate unit using scales, thermometers and measuring vessels	Measure in kilograms	
	Full and empty	
	Compare volume and capacity	Volume, vessels, jugs, spoonfuls, compare, greater than, less than, equal to, millilitres, litres
	Measure in millilitres	
	Measure in litres	
2M9 Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change	Four operation with mass	
	Four operations with volume and capacity	
	Temperature	

Summer Term – (4 weeks + 7 weeks = 11 weeks)	Small steps	Key vocab
Fractions (2 weeks)	Recognise a third	Whole, part, denominator, numerator, half, quarter, third, three quarters, equivalent
2F1a Recognise, find, name and write fractions 1/3 , 1/4, 2/4 and 3/4 of a length, shape, set of objects or quantity	Find a third	
	Find the whole	
	Unit fractions	
2F1b Write simple fractions [eg:1/2 of 6 = 3]	Non-unit fractions	
	Recognise the equivalence of a half and two quarters	
2F2 Recognise the equivalence of 1/2 and 2/4	Recognise three-quarters	
	Find three-quarters	
	Count in fractions up to a whole	
Time (2 weeks)		
2M4a Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times	O'clock and half past	Hour, minutes, half hour, quarter past, half past, quarter to, 5 minute intervals, sequence, days, weeks, months, years, minute hand, hour hand, seconds.
	Quarter past and quarter to	
	Tell time past the hour	
	Tell time to the hour	
2M4b Compare and sequence intervals of time	Telling time to 5 mins	
	Minutes in an hour	
2M4c Know the number of minutes in an hour and the number of hours in a day	Hours in a day	
Statistics (2 weeks)		
2S1 Interpret and construct simple pictograms, tally charts, block diagrams and simple tables	Make tally charts	Data, interpret, present, tally chart, pictograms, categories, sorting, totalling, amount, compare, difference.
	Tables	
	Block diagrams	
2S2a Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity	Draw pictograms (1-1)	
	Interpret pictograms (1-1)	
	Draw pictograms (2,5 and 10)	
	Interpret pictograms (2,5 and 10)	
2S2b Ask and answer questions about totalling and comparing categorical data		
Position and direction (1.5 weeks)		
2P1 Order and arrange combinations of mathematical objects in patterns and sequences	Describe turns	Left, right, forwards, backwards, in the middle of, in front of, next to, clockwise, anti-clockwise, right angle, quarter turn, half turn, 3 quarter turn, rotate.
	Describing position using language	
	Describe movement and turns	
2P2 Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clock-wise and anti-clockwise)		
NTS assessment week and follow ups		
Last two weeks of year: use teacher assessment to address/embed key topics such as place value, addition and subtraction.		