Year 2 Maths Overview

The principles of Fluency, Problem Solving and Reasoning will be threaded throughout each unit.

Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Autumn	**Place Value** Previous – read and write numbers to 100. One more/less to 100. Partition numbers. Count in 2s, 5s and 10s • Count objects to 100 and record in numbers and words. • Recognise numbers to 100 and represent in different ways. • Partition to tens and ones and in a variety of ways. (Part/whole) • Link to addition sentences. • Introduce place value grids • Compare amounts of objects/equipment • Compare numbers and addition sentences • Order objects and numbers • Count in 2s, 5s and 10s. • Count in 3s.			**Addition and Subtraction** Previous – know bonds to 10 and 20. Can add/subtract within 20. Use number line to count on/count back. Know 'take-away', 'left' and 'find the difference'. • Recap facts to 20 • Use equipment to check number facts. • Compare number facts • Related facts e.g 2+5/20+50 • Bonds to 100 (tens) • Add/subtract ones (no boundary) • 10 more/less • Add/subtract tens (within 100) • Add 2-digit/1-digit (number line transition to column) • Add 2-digit/2-digit (column) • Subtract 1-digit from 2-digit (1:1) • Subtract 2-digit from 2-digit (units then tens) • Bonds to 100 (tens and ones) • Add 3 1-digit numbers				**Money** Previous – value of coins. Order coins. Count in coin values to make total. Compare coins and totals. • Introduce £ and p symbols • Count and compare in pence • Count and compare in pounds (not using p coins) • Count pounds and pence • Choose coins to make total • Ways of making the same amount • Compare totals of coins • Find totals (link to adding) • Find the difference • Change • 2-step problems		**Multiplication** Previous – count in 2s,5s and 10s. Count in equal groups. Arrays. Doubles to 10. • Recognise and make equal groups • Doubles to 20 • Add equal groups (arrays/objects) • Introduce x symbol and what calculations represent. • Link x sentences to objects/arrays • Introduce number line to show equal groups. • 2 x table • 5 x table • 10x table		**Assessment**	**Measurement Length/Height** Previous – comparing and ordering. Measuring in non-standard and standard measurements. • Measure to nearest cm • Measure to nearest m • Comparing lengths • Ordering lengths • Calculating with length	**Mop up**
Spring	**Division** Previous – making equal groups, sharing. • Introduce the ÷ symbol. • Share between equal groups • Make equal groups (link objects with numberline) • Divide by 2 (linked to 2x) • Halving • Odd and even numbers • Divide by 5 (link to 5x) • Divide by 10 (link to 10x)		**Place Value** • Estimating and checking calculations • Problem solving	**Statistics** • Answering a question • Tally charts • Pictograms (1:1) • Pictograms (2,5,10) • Block diagrams		**Shape** Previous – recognise and sort 2D and 3D shapes. Make patterns with them. • Recognise 2D shapes in different orientations and sizes • Recognise 3D shapes in different orientations and sizes • Count sides – recognise irregular shapes as …. • Count vertices on 2D shapes – link to corner • Draw 2D shapes • Lines of symmetry • Sort 2D shapes • Patterns with 2D shapes (link to orientations) • Count faces on 3D shapes • Count edges on 3D shapes • Count vertices on 3D shapes • Sort 3D shapes • Patterns with 3D shapes (link to orientations)				**Fractions** Previous – half and quarter of shapes and amounts • Understand parts and wholes • Make equal parts • Introduce numerator and denominator and fraction notation • Recognise/find halves • Recognise/find quarter • Recognise/find a third • Unit fractions of shapes and amounts • Non-unit fractions of shapes and amounts • Equivalence of ½ and ¼ • Find ¾ • Count in fractions		**Assessment**	**Mop up**	
Summer	**Problem Solving and methods** • Recap the 4 operations and calculation methods. • Solve one and 2 step problems.		**Time** Previous – days, months, dates. Ordering events and durations. O'clock and half past • O'clock and half past • Quarter past • Quarter to • 5 minute intervals • Hours in a day • Minutes in an hour • Find time durations • Compare time durations		**Position and Direction** Previous – whole, half, quarter and three-quarter turns, describe movement (up, down, left right), describe objects in relation to others (e.g above, in between). • Describe movement in straight line • Describe turns using clockwise and anti-clockwise • Describe movement and turns • Describe/Make patterns including turns.		**Mass, Capacity and Temperature** Previous – understand mass, weight, volume and capacity; measure in non-standard units; compare measurements • Balancing scales to compare mass • Measure mass (standard units - g) • Measure mass (Kg) • Compare volume (link to full, half, quarter, three-quarters) • Measure volume (ml) • Measure volume (l) • Introduce temperature • Measure temperature (link to 2s, 5s and 10s)			**Mop up**	**Mop up**	**Assessment**	**Investigations**	