Year 1 End of Year Expectations

Focus: Building number sense within 20 & basic operations

Key skills:

- ◊ **Count, read, write numbers to 100.**
- ◊ **Understand place value (tens & ones).**
- ◊ **Add & subtract within 20.**
- ◊ **Begin with doubles & number bonds.**
- ◊ **Introduce multiplication & division as repeated addition & sharing.**
- ◊ **Recognise halves & quarters of shapes & small quantities.**
- ◊ **Understand time (o'clock, half past), money (coins), length, height, weight.**

Year 1 Maths Overview

Term	Week	Topic	Maths No Problem Objectives	Numicon Objectives
Autumn 1	Weeks 1 & 2	Number ~ Place Value	◊ Read & write number from 1 to 20 in digits & words ◊ Find one more & one less than a given number ◊ Say if a number is equal to, more than, less than, most or least ◊ Count in multiples of 2 & 10	◊ Securing Foundations: Exploring Numicon shapes & rods; naming, ordering, & recognising structural patterns up to 10. ◊ Number & Place Value: Naming & writing numerals to 10; counting forwards & backwards from any starting point. ◊ Comparison: Developing language of comparison using concrete materials (*equal to, more than, less than, fewer, most, least*). ◊ Geometry (Properties of Shapes): Identifying, naming, & sorting common 2D shapes (rectangles, squares, circles, triangles) using physical Numicon structures ◊ Addition & Subtraction (Within 10): Understanding addition as combining two parts; reading, writing, & interpreting the +, -, & = symbols.
	Weeks 3 & 4	Number ~ Addition, & Subtraction	◊ Read, write & understand calculations with +, -, = signs ◊ Show & use number bonds to 10 ◊ Show & use subtraction facts within 10 ◊ Add & subtract one digit number numbers to 20 ◊ Solve one step problems using addition ◊ Solve one step problems using subtractions	
	Weeks 5 & 6	Geometry ~ Properties of Shapes	◊ Recognise & name 2D shapes ◊ Recognise & name 3D shapes ◊ Recognise shapes in different orientations & sizes ◊ Relate shapes to everyday objects	
	Week 7	Measurement ~ Money	◊ Know the value of different coins & notes ◊ Count coins to find a total	

Term	Week	Topic	Maths No Problem Objectives	Numicon Objectives

Autumn 2	Weeks 1-3	Number ~ Multiplication & Division	◊ Read, write & understand calculations with x, ÷, = signs ◊ Double single digit numbers ◊ Use arrays to multiply ◊ Share & group small amounts ◊ Recall multiplication & division facts for the 10 times table ◊ Solve one step multiplication problems ◊ Solve one step division problems	◊ Pattern & Algebra: Recognising patterns in numbers; identifying & understanding odd & even numbers using the distinct Numicon shape structures. ◊ Number Bonds: Memorising & visualising structural facts & number bonds to 10. ◊ Measurement: Comparing & describing practical variations in length, height, & mass (*long/short, longer/shorter, heavy/light*)
	Weeks 4 & 5	Fractions	◊ Understand a half as one of two equal parts ◊ Understand a quarter as one of four equal parts ◊ Recognise, find & name a half of a shape ◊ Recognise, find & name a quarter of a shape ◊ Recognise, find & name a half of a set of objects ◊ Recognise, find & name a quarter of a set of objects	
	Weeks 6 & 7	Measurement ~ Time	◊ Know & use words relating to days ◊ Sequence events in chronological order ◊ Know & use words relating to dates such as weeks & months ◊ Tell the time to the hour & half past hour ◊ Draw hands on a clock face to show the time to the hour & half past the hour	

Term	**Week**	**Topic**	**Maths No Problem Objectives**	**Numicon Objectives**
Spring 1	Weeks 1 & 2	Number ~ Place Value	◊ Count, read & write numbers to 100 ◊ Count to & across 100 forwards & backwards ◊ Find one more & one less than a given number ◊ Say if a number is equal to, more than, less than, most or least ◊ Count in multiples of 2, 5 & 10	◊ Numbers & the Number System: Counting, reading, & writing numbers from 1 to 20 in both numerals & words. ◊ Place Value: Deepening tracking on the number line; understanding tens & ones partitioning up to 20 using Numicon 10-shapes. ◊ More or Less: Identifying one more & one less than any given number up to 20. ◊ Geometry (Position & Direction): Describing positions, directions, & movements, including whole, half, & quarter turns
	Week 3 & 4	Number ~ Addition & Subtraction	◊ Read, write & understand calculations with +, -, = signs ◊ Show & use number bonds to 20 ◊ Show & use subtraction facts within 20 ◊ Add & subtract one digit number numbers to 20 ◊ Add & subtract two digit numbers to 20 ◊ Solve one step problems using addition ◊ Solve one step problems using subtractions	
	Week 5 & 6	Geometry ~ Position & Direction	◊ Describe direction ◊ Describe position ◊ Describe movement ◊ Describe whole & half turns ◊ Describe quarter & three-quarter turns	

Term	Week	Topic	Maths No Problem Objectives	Numicon Objectives
Spring 2	Weeks 1 & 2	Number ~ Multiplication & Division	◊ Read, write & understand calculations with x, ÷, = signs ◊ Double single digit numbers ◊ Use arrays to multiply ◊ Share & group small amounts ◊ Recall multiplication & division facts for the 10 times table ◊ Recall multiplication & division facts for the 2 times table ◊ Solve one step multiplication problems ◊ Solve one step division problems	◊ Multiplication & Division Foundations: Solving basic grouping, sharing, & doubling problems using equal groups & concrete arrays ◊ Counting in Multiples: Beginning to count in structured multiples of 2s, 5s, & 10s using visual pattern layouts. ◊ Fractions: Finding, naming, & recognising a half (1/2) & a quarter (1/4) of an object, shape ◊ Problem Solving: Solving one-step word problems using Numicon shapes, pictorial representations, & missing-number configurations
	Week 3	Fractions	◊ Understand a half as one of two equal parts ◊ Understand a quarter as one of four equal parts ◊ Recognise, find & name a quarter of a quantity ◊ Recognise, find & name a half of a quantity	
	Weeks 4-6	Measurement ~ Length, Mass & Capacity	◊ Begin to measure & record lengths, heights & mass/weight ◊ Begin to measure & record capacity & volume ◊ Compare, describe & solve problems for length, height, mass/weight, capacity & volume	

Term	Week	Topic	Maths No Problem Objectives	Numicon Objectives
Summer 1	Week 1	Number ~ Addition & Subtraction Revision	◊ Read, write & understand calculations with +, -, = signs ◊ Show & use number bonds to 20 ◊ Show & use subtraction facts within 20 ◊ Add & subtract one digit number numbers to 20 ◊ Add & subtract two digit numbers to 20 ◊ Solve one step problems using addition ◊ Solve one step problems using subtractions	◊ Place Value to 100: Counting to & across 100, forwards & backwards; tracking patterns on a 100-square board. ◊ Number Bonds: Memorising & visualising structural facts & number bonds to 10. ◊ Calculating (Addition & Subtraction within 20): Adding & subtracting one-digit & two-digit numbers up to 20. or discrete quantity using symmetric Numicon parts. ◊ Measurement (Money): Recognising & knowing the distinct value of different denominations of coins & notes
	Week 2	Measurement ~ Money	◊ Know the value of different coins & notes ◊ Count coins to find a total ◊ Add 2 coins of different values	
	Week 3	Number ~ Multiplication & Division Revision	◊ Read, write & understand calculations with x, ÷, = signs ◊ Double single digit numbers ◊ Recall multiplication & division facts for the 10 times table ◊ Recall multiplication & division facts for the 2 times table ◊ Recall multiplication & division facts for the 5 times table ◊ Solve one step multiplication problems ◊ Solve one step division problems	

	Week 4 & 5	Measurement ~ Time	◊ Know & use words relating to days ◊ Sequence events in chronological order ◊ Know & use words relating to dates such as weeks & months ◊ Tell the time to the hour & half past hour ◊ Draw hands on a clock face to show the time to the hour & half past the hour	
Summer 2		Consolidation	Address identified gaps in learning based on QLA outcomes from end of year assessments	

Objectives to be revised through 'flashback' starters.