



Park Gate Primary School

Year R Maths Long Term Plan - **Mastering Number Programme/White Rose Maths**

Autumn 1	1 School visits	2 Half days.	3 In class own baseline assessments: Number rec, Counting 1:1 correspondence Counting to 20. Shapes.	4 Numbers 1 - 5 introduced: 1 number a day introduced (number of the day)	5	6	7	
Mastering Number					<p>Week 1 Subitising Subitise 1, 2 3. Make and describe spatial patterns with 3 dots. Represent numbers on fingers in different ways. Identify sub groups of 1,2,3 in larger arrangements</p>	<p>Week 2 Counting, cardinality and ordinality Use counting nursery rhymes to sequence numbers to 5. Counting to find out 'how many altogether', develop 1:1 correspondence by moving, tagging the objects and saying the total amount.</p>	<p>Week 3 Composition (Exploring composition of numbers 2, 3, 4)</p>	
WRM Taught through	Getting to know you!			Phase 1 - Just like me				

Half term

C/P and Friday input							
			Match	Sort	Compare amounts	Comparing 1,2 & 3	
Measure, Shape and Spatial thinking	Opportunities for settling in, introducing the areas of provision, getting to know the children. Key times of day, class routines.	Exploring the continuous provision inside and out. Where do things belong? Positional Language	Identifying and exploring patterns.	Identifying and exploring patterns		Exploring Pattern Geometry and Spatial thinking Circles and Triangles Spatial Awareness	

Autumn 2	1	2	3	4	5	6	7	End of Autumn Term
Mastering Number	Week 4 Subitising (Continuing to develop perceptual subitising, continue to practise making numbers to 3 with fingers and beginning to use conceptual within number 4)	Week 5 Comparison Using language of 'more than' and 'fewer than'.	Week 6 Counting, Ordinality & Cardinality Counting to find out 'how many' altogether, 1:1 correspondence, Deepening understanding of 5 as a quantity, representing 5	Week 7 Comparison Compare numbers of objects in two sets by matching them 1:1, identifying if quantities are the same/equal or not.	Assessment Week: Second half of the week identify gaps and target children in their independent learning.	Intervention groups throughout the week to target gaps in knowledge.	Week 8 Composition Understand language of whole and parts using body parts to understand concept, Composition of 2 and 3, Know 1 and 2 are parts of 3.	

WRM	Just Like Me	Phase 2 It's Me 1,2,3!			Phase 3 - Light and Dark		
					One more and One less		
Measure, Shape & Spatial thinking	Compare size, Mass & Capacity		Geometry and Spatial thinking: Shapes with 4 sides	Positional language/Spatial Awareness		Geometry and Spatial thinking: Shapes with 4 sides	Time: Day and Night.
Spring 1	1	2	3	4	5	6	7
Mastering Number	<p>Week 9 Composition of 3, 4 & 5 Combining parts in different ways, Spatial arrangements</p>	<p>Week 10 Counting, Ordinality & Cardinality Purpose of counting to find out 'how many objects there are altogether', revisit 1:1 correspondence, develop understanding of cardinality as last number counted, begin to count abstract things.</p>	<p>Week 11 Subitising Use subitising skills in increasingly complex arrangements. For larger quantities, beginning to see subgroups within these larger numbers. Develop skills of visualising arrangements. Continue representing quantities in different ways.</p>	<p>Week 12 Counting, Ordinality & Cardinality Purpose of counting to find out the total, counting out loud. Revisit language 'Altogether' Revisit ordering to 5, understanding this will not change. Discuss how each number has a value of one more than previous number.</p>	<p>Week 13 Composition Consolidate understanding of composition of 5 investigating part-part-whole relations, number bonds to 5. Partitioning 5 and considering the missing parts. Visualise numbers within 5 visual how many more you need to get to 5.</p>	<p>Week 14 Develop understanding of composition, or the numbers within numbers. Represent amounts using die patterns. Secure understanding of the pairs of numbers that make 5, and use double dice frames to begin to explore 6 and</p>	<p>Assessment Week: Second half of the week identify gaps and target children in their independent learning</p>

						7 as numbers that are composed of '5 and a bit'	
WRM	Phase 4 - Alive in 5!				Phase 5 - Growing 6,7,8		
Number	Introducing 0	Comparison to 5	Composition of 4, 5			6,7,8	Making Pairs and comparing two groups.
Measure, Shape & Spatial thinking				Comparing Mass	Compare Capacity		

Spring 2	1	2	3	4	5		End of Spring Term
Mastering Number	Week 15 Comparison Notice similarities and differences in amounts, notice sets in larger amounts. Notice when quantities are equal or unequal, and begin to consider how they can manipulate the number of objects in 2 sets to make them equal. Use language 'more than' 'fewer than' and 'equal'	Week 16: Counting, ordinality and cardinality Recap finding the total and secure knowledge of counting to find the total amount. Begin to understand the number patterns and practise counting to 20. Rehearse ordering numbers to 10 and recap each numbers value and one more.	Week 17: Comparison. Encourage children to find similarities and differences. Focus on ordering numbers to 8, using language 'more than'.	Week 18: Composition: Consolidating their understanding of the composition of numbers by investigating the numbers within 7. Composing and de-composing numbers involves the children investigating part-part-whole relations,	Week 19: Subitising Children will explore subitising by explaining what they can see. Children use dice patterns and fingers to explore doubling to 10.	Assessment Week: Second half of the week identify gaps and target children in their independent learning	
WRM	Phase 5 - Growing 6, 7, 8			Phase 6 - Building 9 and 10			

Number			9 and 10	Comparing Numbers to 10 Bonds to 10			
Measure, Shape & Spatial thinking	Time (Days of the week, measuring time)	Length & Height (Comparing Height-same/different, taller/shorter, longer/shorter)			3D Shapes	Pattern	

Summer 1	1	2	3	4	5	6
Mastering Number	Week left free to recap any gaps in knowledge found in assessment week.	Week 20: Composition Children will be able sort objects into different criteria. Using numberblocks children will begin to sort odd and even.	Week 21: Cardinality, ordinality and counting Children are given activities to understand the importance of counting and cardinality is revisited. Look into counting patterns above 10.	Week 22 Subitising. Children will look at tens frames and die patterns. Practise subitising by looking at the amount, closing their eyes and describing what they can see.	Week 23: Composition. Deepening understanding of numbers to 5. Visualising amounts, singing songs, using different representations to create a holistic understanding.	Assessment Week: Second half of the week identify gaps and target children in their independent learning
WRM	Phase 7 - To 20 and Beyond			Phase 8 - First, Then, Now		
Number	Building Number beyond 10	Counting patterns beyond 10		Adding More	Taking Away	
Measure, Shape & Spatial thinking			Spatial Reasoning			Spatial Reasoning

Summer 2	1	2	3	4	5	6	7
Mastering Number	Week left free to recap any gaps found in assessment week.	Week 24: Composition Children explore their understanding of numbers to 10. Using tens frames children and songs children will make different arrangements to 10.	Week 25 Comparison. 1:1 Skills practised using track games. Adults model language of 'more, fewer and equal' when playing the games.	Assessment Week: Second half of the week identify gaps and target children in their independent learning	Recap, supporting knowledge for transition into year 1	Recap, supporting knowledge for transition into year 1	Recap, supporting knowledge for transition into year 1
WRM	Phase 9 - Find My Pattern			Phase 10 - On the Move			Consolidation
Number	Doubling	Sharing & Grouping	Even and Odd	Deepening Understanding Problem Solving	Patterns & relationships		
Measure, Shape & Spatial thinking			Spatial reasoning			Spatial Reasoning	

Mastering Number - Monday to Thursday inputs. PM discovery time will give teacher/TA chance to work in small groups and with individuals on activities provided in planning.

WRM - Friday Inputs. Activities from the planning will run during discovery time during the week. Skills will be taught during some snack input or 2:30 input.