Mathematics

	Reception	
	Mastering Number Sessions **(also taught through small group activities and continuous provision)**	**White Rose Maths Sessions** **Shape, space and measures** **(also taught through small group activities and continuous provision)**
Autumn 1	Subitising Subitising within 3 Counting, ordinality and cardinality Focus on counting skills Composition Explore how all numbers are made of 1s Focus on composition of 3 and 4 Subitising Subitise objects and sounds Comparison Comparison of sets - 'just by looking' Use the language of comparison: more than and fewer than	Talk about measure and patterns • Step 1 Compare size • Step 2 Compare mass • Step 3 Compare capacity • Step 4 Explore simple patterns • Step 5 Copy and continue simple patterns • Step 6 Create simple patterns

Autumn 2	<u>Counting, ordinality and cardinality</u> Focus on counting skills Focus on the 'five-ness of 5' using one hand and the die pattern for 5 <u>Comparison</u> Comparison of sets - by matching Use the language of comparison: more than, fewer than, an equal number <u>Composition</u> Explore the concept of 'whole' and 'part' <u>Composition</u> Focus on the composition of 3, 4 and 5 <u>Counting, ordinality and cardinality</u> Practise object counting skills Match numerals to quantities within 10 Verbal counting beyond 20	<u>Circles and triangles</u> • Step 1 Identify and name circles and triangles • Step 2 Compare circles and triangles • Step 3 Shapes in the environment • Step 4 Describe position <u>Shapes with 4 sides</u> • Step 1 Identify and name shapes with 4 sides • Step 2 Combine shapes with 4 sides • Step 3 Shapes in the environment • Step 4 My day and night

Spring 1	<u>Subitising</u> Subitise within 5 focusing on die patterns Match numerals to quantities within 5 <u>Counting, ordinality and cardinality</u> Counting – focus on ordinality and the 'staircase' pattern See that each number is one more than the previous number <u>Composition</u> Focus on 5 <u>Composition</u> Focus on 6 and 7 as '5 and a bit' <u>Composition</u> Compare sets and use language of comparison: more than, fewer than, an equal number to Make unequal sets equal	<u>Mass and capacity</u> • Step 1 Compare mass • Step 2 Find a balance • Step 3 Explore capacity • Step 4 Compare capacity <u>Length, height and time</u> • Step 1 Explore length • Step 2 Compare length • Step 3 Explore height • Step 4 Compare height • Step 5 Talk about time • Step 6 Order and sequence time

Spring 2	<u>Counting, ordinality and cardinality</u> Focus on the 'staircase' pattern and ordering numbers <u>Comparison</u> Focus on ordering of numbers to 8 Use language of less than <u>Composition</u> Focus on 7 <u>Composition</u> Doubles – explore how some numbers can be made with 2 equal parts <u>Composition</u> Sorting numbers according to attributes - odd and even numbers	<u>Explore 3D shapes</u> • Step 1 Recognise and name 3-D shapes • Step 2 Find 2-D shapes within 3-D shapes • Step 3 Use 3-D shapes for tasks • Step 4 3-D shapes in the environment • Step 5 Identify more complex patterns • Step 6 Copy and continue patterns • Step 7 Patterns in the environment
Summer 1	<u>Counting, ordinality and cardinality</u> Counting – larger sets and things that cannot be seen <u>Subitising</u> Subitising – to 6, including in structured arrangements <u>Composition</u> Composition – '5 and a bit' <u>Composition</u> Composition - of 10 <u>Comparison</u> Comparison – linked to ordinality Play track games	

Summer 2	<u>Subitise to 5</u> Introduce the rekenrek <u>Review and assess</u> Automatic recall of bonds to 5 Composition of numbers to 10 Comparison Number patterns Counting	<u>Visualise, build and map</u> • Step 1 Identify units of repeating patterns • Step 2 Create own pattern rules • Step 3 Explore own pattern rules • Step 4 Replicate and build scenes and constructions • Step 5 Visualise from different positions • Step 6 Describe positions • Step 7 Give instructions to build • Step 8 Explore mapping • Step 9 Represent maps with models • Step 10 Create own maps from familiar places

		• Step 11 Create own maps and plans from story situations <u>Make connections</u> • Step 1 Deepen understanding • Step 2 Patterns and relationships