

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<p style="text-align: center;">Mathematics</p>	<p>Developing a strong grounding in number is essential so that all children develop the necessary building blocks to excel mathematically. Children should be able to count confidently, develop a deep understanding of the numbers to 10, the relationships between them and the patterns within those numbers. By providing frequent and varied opportunities to build and apply this understanding - such as using manipulatives, including small pebbles and tens frames for organising counting - children will develop a secure base of knowledge and vocabulary from which mastery of mathematics is built. In addition, it is important that the curriculum includes rich opportunities for children to develop their spatial reasoning skills across all areas of mathematics including shape, space and measures. It is important that children develop positive attitudes and interests in mathematics, look for patterns and relationships, spot connections, 'have a go', talk to adults and peers about what they notice and not be afraid to make mistakes.</p>					
<p style="text-align: center;">Using White Rose Maths, Master the Curriculum, Numberblocks.</p>	<p>Getting to Know You Opportunities for settling in, introducing the areas of provision and getting to know the children.</p> <p>Key times of the day, routines. Positional language - where do things belong?</p> <p>Match, sort and compare Match objects Match pictures and objects Identify a set Sort objects to a type Explore sorting techniques Create sorting rules Compare amounts</p> <p>Talk about measure and patterns Compare size Compare mass Compare capacity Explore simple patterns</p>	<p>It's Me 1 2 3! Find 1, 2 & 3 Subitise 1, 2 & 3 Represent 1, 2 & 3 1 more 1 less Composition of 1, 2 and 3</p> <p>Circle and Triangles Identify and name circles and triangles Compare circles and triangles Shapes in the environment Describe position</p> <p>1, 2, 3, 4, 5 Find 4 and 5 Subitise 4 and 5 Represent 4 and 5 1 more 1 less Composition of 4 and 5 Composition of 1 - 5</p> <p>Shapes with 4 sides</p>	<p>Alive in 5! Introduce 0 Find 0 to 5 Subitise 0 to 5 Represent 0 to 5 1 more 1 less Composition Conceptual subitising to 5</p> <p>Mass and Capacity Compare mass Find a balance Explore capacity Compare capacity</p> <p>Growing 6, 7, 8 Find 6, 7 and 8 Represent 6, 7 and 8 1 more 1 less Composition of 6, 7 and 8 Make pairs - odd and even Double to 8 (find a double) Double to 8 (make a double) Combine 2 groups Conceptual subitising</p>	<p>Length, height and time Explore length Compare length Explore height Compare height Talk about time Order and sequence</p> <p>Building 9 & 10 Find 9 & 10 Compare numbers to 10 Represent 9 and 10 Conceptual subitising to 10 1 more 1 less Composition to 10 Bonds to 10 (2 parts) Make arrangement of 10 Bonds to 10 (3 parts) Doubles to 10 (find a double) Doubles to 10 (make a double) Explore even and odd</p> <p>Explore 3D shapes</p>	<p>To 20 and Beyond Build numbers beyond 10 (10-13) Continue patterns beyond 10 (10-13) Build numbers beyond 10 (14-20) Continue patterns beyond 10 (14-20) Verbal counting beyond 20 Verbal counting patterns</p> <p>How many now? Add More How many did I add? Take away How many did I take away?</p> <p>Manipulate, compose and decompose Select shapes for a purpose Rotate shapes Manipulate shapes Explain shape arrangements Compose shapes Decompose shapes</p>	<p>Sharing and grouping Explore sharing Sharing Explore grouping Grouping Even and odd sharing Play with and build doubles</p> <p>Visualise, build and map Identify units of repeating patterns Create own pattern rules Explore own pattern rules Replicate and build scenes and constructions Visualise from different positions Describe positions Give instructions to build Explore mapping Represent maps with models Create own maps from familiar places Create own maps and plans from story situations</p> <p>Make connections</p>

	<p>Copy and continue simple patterns Create simple patterns</p>	<p>Identify and name shapes with 4 sides Combine shapes with 4 sides Shapes in the environment My day and night</p>		<p>Recognise and name 3D shapes Find 2D shapes with 3D shapes Use 3D shapes for tasks 3D shapes in the environment Identify more complex patterns Copy and continue patterns Patterns in the environment</p>	<p>Copy 2D shape with pictures Find 2D shapes within 3D shapes</p>	<p>Deepen understanding Patterns and relationships Consolidation</p>
<p>NCETM Mastering Number</p>	<p>Subitising Subitising within 3</p> <p>Counting, ordinality and cardinality Focus on counting skills</p> <p>Composition Explore how all numbers are made of 1s Focus on composition of 3 and 4</p> <p>Subitising Subitise objects and sounds</p> <p>Comparison Comparison of sets - 'just by looking' Use the language of comparison: more than and fewer than</p>	<p>Counting, ordinality and cardinality Focus on counting skills Focus on the 'five-ness of 5' using one hand and the die pattern for 5</p> <p>Comparison Comparison of sets - by matching Use the language of comparison: more than, fewer than, an equal number</p> <p>Composition Explore the concept of 'whole' and 'part' Focus on the composition of 3, 4 and 5</p> <p>Counting, ordinality and cardinality Practise object counting skills Match numerals to quantities within 10 Verbal counting beyond 20</p>	<p>Subitising Subitise within 5 focusing on die patterns Match numerals to quantities within 5</p> <p>Counting, ordinality and cardinality Counting - focus on ordinality and the 'staircase' pattern See that each number is one more than the previous number</p> <p>Composition Focus on 5 Focus on 6 and 7 as '5 and a bit'</p> <p>Compare sets and use language of comparison: more than, fewer than, an equal number to Make unequal sets equal</p>	<p>Counting, ordinality and cardinality Focus on the 'staircase' pattern and ordering numbers</p> <p>Comparison Focus on ordering of numbers to 8 Use language of less than</p> <p>Composition Focus on 7</p> <p>Doubles - explore how some numbers can be made with 2 equal parts</p> <p>Sorting numbers according to attributes - odd and even numbers</p>	<p>Counting, ordinality and cardinality Counting - larger sets and things that cannot be seen</p> <p>Subitising Subitising - to 6, including in structured arrangements</p> <p>Composition Composition - '5 and a bit' Composition - of 10</p> <p>Comparison Comparison - linked to ordinality Play track games</p>	<p>Review and assess Subitise to 5 Introduce the rekenrek Automatic recall of bonds to 5 Composition of numbers to 10 Comparison Number patterns Counting</p>

Year 1

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Number Place value			Number Addition and subtraction				Number Multiplication and division A				
Spring	Number Multiplication and division B			Measurement Length and perimeter			Number Fractions A		Measurement Mass and capacity			
Summer	Number Fractions B		Measurement Money		Measurement Time			Geometry Shape		Statistics		Consolidation

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Number Place value (within 10)					Number Addition and subtraction (within 10)					Geometry Shape	Consolidation
Spring	Number Place value (within 20)			Number Addition and subtraction (within 20)			Number Place value (within 50)		Measurement Length and height		Measurement Mass and volume	
Summer	Number Multiplication and division			Number Fractions		Geometry Position and direction	Number Place value (within 100)		Measurement Money	Measurement Time		Consolidation

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Number Place value				Number Addition and subtraction				Geometry Shape			
Spring	Measurement Money	Number Multiplication and division					Measurement Length and height		Measurement Mass, capacity and temperature			
Summer	Number Fractions			Measurement Time			Statistics		Geometry Position and direction		Consolidation	

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Number Place value				Number Addition and subtraction			Measurement Area	Number Multiplication and division A			Consolidation
Spring	Number Multiplication and division B			Measurement Length and perimeter		Number Fractions			Number Decimals A			
Summer	Number Decimals B	Measurement Money		Measurement Time		Consolidation		Geometry Shape		Statistics	Geometry Position and direction	

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Number Place value			Number Addition and subtraction		Number Multiplication and division A			Number Fractions A			
Spring	Number Multiplication and division B			Number Fractions B		Number Decimals and percentages			Measurement Perimeter and area		Statistics	
Summer	Geometry Shape			Geometry Position and direction		Number Decimals			Number Negative numbers	Measurement Converting units		Measurement Volume

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Number Place value		Number Addition, subtraction, multiplication and division				Number Fractions A		Number Fractions B		Measurement Converting units	
Spring	Ratio		Algebra		Number Decimals		Number Fractions, decimals and percentages		Measurement Area, perimeter and volume		Statistics	
Summer	Geometry Shape		Geometry Position and direction	Themed projects, consolidation and problem solving								