Maths Long Term Overview (White Rose)

"Without mathematics, there's nothing you can do. Everything around you is mathematics. Everything around you is numbers."
Shakuntala Devi

	Autumn	Spring	Summer
Nursery	**Shape:** 2D shapes **Pattern:** identifies patterns **Counting:** items in order: **Measure:** Make comparisons between objects: size, length, weight and capacity.	**Sorting and Matching:** Find and match objects which are the same/different **Shape:** explore 3D shapes **Link numerals and amounts/Counting:** Show 'finger numbers' up to 5. **Measure:** Make comparisons between objects: size, length, weight and capacity.	**Measure:** Make comparisons between objects relating to size, length, weight and capacity. **Pattern:** Notice and correct an error in a repeating pattern. **Number:** Showing the right number of objects to match the numeral up to 5. Compare quantities using language: 'more than', 'fewer than'. Solve real world mathematical problems with numbers up to 5
Reception	**Recognising 123 by counting or subitising:** Count and subitise how many. Make collections of 1,2 and 3 objects **Understanding 123:** Make comparisons between groups of 1,2 and objects. Explore and notice the different compositions of 2 and 3. **Compose and decompose shapes:** Find 2D shapes within 3D shapes.	**Recognise and represent 8, 9 and 10:** Identify representations of 8, 9 and 10 Explore the composition of 8.9 and 10 **Compare numbers to 10:** Make comparisons between groups of 0-10 objects. **Number Bonds to 10:** Explore number bonds to 10 using real objects Find how many more to make 10 **Shape and Spatial Reasoning:** Select, rotate and manipulate shapes in order to develop spatial reasoning skills. **Continue, copy and create repeating patterns:** Copy and continue repeating patterns	**Count beyond 10** Count verbally beyond 20 spotting patterns in 2-digit numbers. **Link the number symbol (numeral) with its cardinal number value.** Match sets of objects or actions with the correct numeral. **Automatically recall number bonds for numbers 0–10.** **Compose and decompose shapes** Investigate how shapes can be combined to make new shapes. Identify shapes within shapes. **Compare length, weight and capacity:** Use comparative language accurately. Make a reasonable estimate about capacity and length.
Year 1	**Number:** Place Value (within 10) **Number:** Addition and subtraction (within 10) **Geometry:** Shape **Number:** Place Value (within 20)	**Number:** Addition and subtraction (within 20) **Number:** -Place Value (within 50) **Measurement:** Length and Height **Measurement:** Weight and Volume **Consolidation**	**Number:** Multiplication and Division **Number:** Fractions **Geometry:** Position and Direction **Number:** Place Value (within 100) **Measurement:** Money and Time

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Year 2	**Number:** Place Value **Number:** Addition and subtraction **Measurement:** Money **Number:** Multiplication and division **Consolidation**	**Number:** Multiplication and division **Statistics** **Geometry:** Properties of shape **Number:** Fractions	**Measurement:** Length and Height **Geometry:** Position and Direction **Consolidation and problem solving** **Measurement:** Time **Measurement:** Mass, Capacity and Temperature **Consolidation**
Year 3	**Number:** Place Value **Number:** Addition and Subtraction **Number:** Multiplication and Division	**Number:** Multiplication and Division **Measurement:** Money **Statistics** **Measurement:** Length and Perimeter **Number:** Fractions **Consolidation**	**Number:** Fractions **Measurement:** Time **Geometry:** Properties of Shape **Measurement:** Mass and Capacity **Consolidation**
Year 4	**Number:** Place Value **Number:** Addition and Subtraction **Measurement:** Length and Perimeter **Number:** Multiplication and Division	**Number:** Multiplication and Division **Measurement:** Area **Number:** Fractions **Number:** Decimals **Consolidation**	**Number:** Decimals **Measurement:** Money **Measurement:** Time **Statistics** **Geometry:** Properties of Shape **Geometry:** Position and Direction **Consolidation**
Year 5	**Number:** Place Value **Number:** Addition and Subtraction **Statistics** **Number:** Multiplication and Division **Measurement:** Perimeter and Area	**Number:** Multiplication and Division **Number:** Fractions **Number:** Decimals and Percentages **Consolidation**	**Consolidation** **Number:** Decimals **Geometry:** Properties of Shape **Geometry:** Position and Direction **Measurement:** Converting Units **Measurement:** Volume
Year 6	**Number:** Place Value **Number:** Addition, Subtraction, Multiplication and Division **Number:** Fractions **Geometry:** Position and Direction	**Number:** Decimals **Number:** Percentages **Number:** Algebra **Measurement:** Converting units **Measurement:** Perimeter, Area and Volume **Number:** Ratio **Consolidation**	**Statistics** **Geometry:** Properties of Shape **Consolidation and themed projects**

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