Russell Hall Primary School

Maths Long Term Planning

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Nursery	Early Mathematical Experiences / Number Rhymes • Explores simple composition of number through number rhymes. • Having numbers around the Nursery environment i.e. displays. • Knows and sings a selection of number rhymes. Numbers to 5 • Practise counting aloud to 5. • Show 'finger numbers' to three.	Numbers to 5 • Subitise small amounts up to 3 objects. • Link numeral and quantity to 3. Shape and Space • Explore 2D and 3D shapes to create patterns/as construction resources. • Selects shapes appropriately i.e. triangular prism for a roof. Number Patterns • Days of the week, seasons • Sequence daily events	Numbers to 5 • Count reliably to 5, and beginning to count beyond 5. • Say one number name for each item in order– 1, 2, 3, 4, 5. Compare Quantities • Sort objects by a variety of criteria • Describes similarities and differences	Numbers to 5. • Know the last number reached when counting a set of objects tells you how many there are ('cardinal principle') Shape and Space • Talk about and explore 2D and 3D shapes, using i n f o r m a l a n d mathematical language i.e. sides/ corners. • Understand and use positional language.	Numbers to 5 • S olve real world mathematical problems up to 3. • Experiments with own symbols and marks as well as numerals. • Verbally rote count to 10 Number Patterns • Extend and create simple 'ABAB' patterns. • Spotting and exploring errors in repeating patterns. Shape and Space • Make comparisons between objects relating to size, length,	Numbers to 5 and beyond • Solve real world mathematical problems up to 5. • Experiments with own symbol and marks as well as numerals. • Verbally rote count to 10. Compare Quantities • Compares quantities by using the terms 'more than', 'less than' and 'the same'. Number Patterns • Begin to describe a sequence of events (real or fictional) using words such as first, then etc...
Reception	Counting to 1,2 and 3 Counting to 4 Counting to 5 Comparing quantities of identifcal objects Comparing quanities of non-identical objects	3D shapes 2D shapes One more One less Intoducing the part-whole model Spatial awareness	Counting to 6, 7 and 8 Counting to 9 and 10 Comparing groups up to 10 Combining 2 groups to find the whole Length, height and distance	Using a ten frame The part-whole model to 10 Subtraction Making simple patterns Exploring more complex patterns	Adding by counting on Taking away by counting back Counting to and from 20 Doubling Halving and sharing Odd and evens	Composing and decomposing shapes Volume and capacity Sorting into 2 groups My day (time)

			Weight			
Year 1	**Number (Place value within 10)**	**Number (Addition and subtraction within 10)** **Geometry (shape)**	**Number (Place value within 20)**	**Number (Place value within 50)** **Measurement (Length and height) (Mass and volume)**	**Number (Multiplication and division** **Number (Fractions)** **Geometry (Position and direction)**	**Number (Place value within 100)** **Measurement (Money)** **Measurement (Time)**
Year 2	**Place value** **Addition and subtraction**	**Addition and subtraction** **Geometry (shape)**	**Measurement (Money)** **Multiplication and division**	**Measurement (Length and height)** **Measurement (Mass, capacity and temperature)**	**Number (Fractions)** **Measurement (Time)**	**Statistics** **Geometry (Position and direction)**
Year 3	**Number (place value)** **Number (addition and subtraction)**	**Number (multiplication and division)**	**Number (multiplication and division)** **Measurement (length and perimeter)**	**Number (Fractions)** **Measurement (mass and capacity)**	**Number (Fractions)** **Measurement (Money)** **Measurement (Time)**	**Geometry (shape)** **Statistics**
Year 4	**Number (Place value)** **Number (addition and subtraction)** **Measurement (Area)**	**Measurement (Area)** **Number (multiplication and division)**	**Number (multiplication and division)** **Measurement (length and perimeter)**	**Number (Fractions)** **Number (Decimals)**	**Number (Decimals)** **Measurement (Time**	**Geometry (shape)** **Statistics** **Geometry (Position and direction)**
Year 5	**Number (Place value)** **Number (addition and subtraction)**	**Number (multiplication and division)** **Number (Fractions)**	**Number (multiplication and division)** **Number (Fractions)**	**Number (Decimals and percentages)** **Measurement (Perimeter and area)** **Statistics**	**Geometry (shape)** **Geometry (Position and direction)** **Number (Decimals)**	**Measurement (Converting units)** **Measurement (Volume)**

Year 6	**Number (Place value)** **Number (addition, subtraction, multiplication and division)**	**Number (Fractions)** **Measurement (Converting units)**	**Number (Ratio)** **Number (Algebra)** **Number (Decimals)**	**Number (Fractions, decimals and percentages)** **Measurement (Area, perimeter and volume)**	**Geometry (shape)** **Geometry (Position and direction)**	**Statistics** **Problem solving and reasoning revision**