



Maths Overview 2023-2024

	AUTUMN		SPRING		SUMMER	
Whole School Topic	Wonderful Me!					Caring for my Wonderful World
Nursery	<p>Cardinality & Counting</p> <p>Accurate and consistent verbal counting to 5</p> <p>Measures</p> <p>Understand and use specific attributes to compare height (taller and shorter rather than big and small)</p> <p>Spatial Reasoning</p> <p>Understand and use simple language of position that doesn't vary by viewpoint (in, on, under, next to)</p>	<p>Cardinality & Counting</p> <p>1:1 correspondence and cardinality to 3</p> <p>subitising 1 and 2</p> <p>Measures</p> <p>Understand and use specific attributes to compare length (long, short)</p> <p>Spatial Reasoning</p> <p>Understand and use language of position that can vary by viewpoint (in front, behind)</p> <p>Shape</p> <p>Explore construction with 3D shapes - combining shapes in two dimensions</p>	<p>Cardinality & Counting</p> <p>1:1 correspondence and cardinality to 5 subitising 3</p> <p>Measures</p> <p>Understand and use specific attributes for width and thickness (wide, narrow, thick, thin)</p> <p>Spatial Reasoning</p> <p>Understand and use everyday language of direction (up, down, though, over, under)</p> <p>Shape</p> <p>Explore pattern and picture making with 2D pattern blocks</p>	<p>Cardinality & Counting</p> <p>Begin to recognise numerals and match to sets</p> <p>Measures</p> <p>Understand and use specific attributes for weight/mass (heavy, light, heavier, lighter)</p> <p>Spatial Reasoning</p> <p>Understand and use language of movement (forwards, backwards, sideways, turn)</p> <p>Shape</p> <p>Begin to notice properties of 3D shape and find shapes that are the same</p>	<p>Cardinality & Counting</p> <p>Conservation of number to 5 with order irrelevance</p> <p>Comparison</p> <p>Compare sets of objects - which has more, fewer - just by looking</p> <p>Measures</p> <p>Time - sequence of events (first, next, after, before, morning, afternoon, evening, yesterday, tomorrow)</p> <p>Spatial Reasoning</p> <p>Discuss routes and the order and location of things seen extending vocab (in between, above, below, around, besides, across, along)</p>	<p>Cardinality & Counting</p> <p>Accurate and consistent verbal counting to 10</p> <p>Composition</p> <p>Separate a group of three or four objects in different ways</p> <p>Comparison</p> <p>Making equal sets</p> <p>Measures</p> <p>Understand and use specific attributes for capacity (full, empty, part full)</p> <p>Compare capacities</p> <p>Spatial Reasoning</p> <p>Understand and use language of distance (far away, near, how far?)</p> <p>Shape</p> <p>Begin to notice</p>

	<p>Shape</p> <p>Explore rotating and flipping objects to make a match (posting boxes, inset puzzles, jigsaws)</p> <p>Sorting & Sequencing</p> <p>Sort by a single property - colour</p>	<p>Sorting & Sequencing</p> <p>Sort by 2 properties - colour and size</p>	<p>Sorting & Sequencing</p> <p>Sort using different combinations of properties (size attributes linked to measure, colour and shape)</p>	<p>Sorting & Sequencing</p> <p>Simple AB sequences varying colour or size (continue and copy patterns)</p>	<p>Shape</p> <p>Explore more complex construction with 3D shapes</p> <p>- combining shapes to make arches and enclosures</p> <p>Sorting & Sequencing</p> <p>Simple AB sequences of sounds, actions and objects (make own patterns)</p>	<p>properties of 2D shapes and find shapes that are the same including on the faces of 3D shapes</p>
<p>Reception</p>	<p>Cardinality & Counting</p> <p>Accurate counting of sets of objects 1-5</p> <p>NB S1 episodes 9 & 10 (1:1 correspondence, cardinality)</p> <p>Subitising 1-3</p>	<p>Cardinality & Counting</p> <p>Accurate counting of sets of objects 1-10 and ordering numbers 1-10</p> <p>Subitising 1-5</p> <p>NB S1 episodes 6 & 7 (introducing 4 and 5)</p> <p>Composition</p> <p>Applied conceptual</p>	<p>Cardinality & Counting</p> <p>Counting backwards 10-1 & ordering numbers 10-1</p> <p>Composition</p> <p>Systematic approach to partitioning</p> <p>sets of objects 1-5 including part whole model</p>	<p>Composition</p> <p>Splitting and recombining sets of objects 6-9</p> <p>Use part whole model and tens frame</p> <p>NB S2 episodes 1-5 (introducing 6-10)</p> <p>Comparison</p> <p>1 more/1 less</p>	<p>Cardinality & Counting</p> <p>Counting beyond 10 noticing patterns in ones</p> <p>Composition</p> <p>Systematic approach to splitting and recombining sets of objects 1-10</p> <p>use part whole model and tens frame</p> <p>Consolidate bonds to 5,</p>	<p>Cardinality & Counting</p> <p>Counting beyond 20 noticing patterns in tens</p> <p>Composition</p> <p>Look at part whole models splitting numbers 1-10 where both parts are the same - learn those not known</p> <p>Link to doubles and halves work in patterns</p>

	<p>NB S1 episodes 1-4 (introducing 1, 2 and 3)</p> <p>Numeral recognition 1-5</p> <p>Composition</p> <p>Conceptual subitising - noticing numbers within numbers</p> <p>Comparison</p> <p>Compare sets 1-5 using vocab of more / fewer / most / fewest</p> <p>Measures</p> <p>Height</p> <p>Pattern</p> <p>Simple AB patterns (complete, copy, make own and spot/correct</p>	<p>subitising</p> <p>NB S1 episode 11</p> <p>Inverse operations - splitting and recombining sets of objects 1-5 including part whole model</p> <p>NB S1 episode 12 (Whole of me)</p> <p>Comparison</p> <p>Compare numbers using vocab of more/less</p> <p>Find 1 more using sets of objects on tens frames and on a number track</p> <p>Shape/Space</p> <p>2D shapes and their properties</p> <p>Pattern</p> <p>identifying unit of repeat</p> <p>- AB & ABC patterns</p>	<p>NB S1 episode 14 (Holes)</p> <p>Start to learn number bonds 1-5</p> <p>Comparison</p> <p>Find 1 less using sets of objects on tens frame and on a number track</p> <p>Measures</p> <p>Length</p> <p>Shape/Space</p> <p>Spatial vocabulary (in front, behind, in between, on, in, under, first second, third)</p> <p>Pattern</p> <p>More complex patterns -</p> <p>ABB, ABBC generalising pattern and transferring to</p>	<p>using mental numberline (see Pattern plan)</p> <p>NB S2 episodes 6 & 7</p> <p>(Just add one & ten green bottles)</p> <p>Measures</p> <p>Mass</p> <p>Shape/Space</p> <p>representing spatial relationships as maps</p> <p>Spatial vocabulary (forwards, backwards, up, down, across)</p> <p>Pattern</p> <p>Numerical Patterns - staircase patterns</p> <p>linked to 1 more/1 less in comparison</p>	<p>4, 3, 2, 1</p> <p>Make generalisations</p> <p>Start to learn some number bonds for 10</p> <p>NB S2 Episode 13 (Blast Off!)</p> <p>Measures</p> <p>Time - sequence of events</p> <p>Shape/Space</p> <p>3D shapes properties of shapes Patterns</p> <p>Numerical patterns odds & evens</p> <p>NB S2 episode 11 (Odds & Evens)</p>	<p>NB S2 episode 9 (Double Trouble)</p> <p>Splitting into more than 2 parts - link to sharing fairly in comparison NB S2 episode 10</p> <p>(The three threes)</p> <p>Comparison</p> <p>Focus on sharing fairly</p> <p>NB S2 episode 8 (Counting Sheep)</p> <p>Measures</p> <p>Capacity</p> <p>Shape/Space</p> <p>Relationships between shapes</p> <p>Pattern</p> <p>Symmetry/reflections</p> <p>Numerical patterns doubles and halves</p>
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	errors in patterns)		another format e.g. link pattern of shapes to movements			
Year 1	Number and Place Value to 10 Addition and Subtraction to 10	Number and Place Value to 20 Addition and Subtraction to 20	Geometry: Shape Fractions Geometry: Position and Direction Measures: Time	Number and Place Value beyond 20 Multiplication and Division	Multiplication and Division Measures: Money	Measures: Length Measures: Mass Measures: Capacity
Year 2	Number and Place Value Addition and Subtraction	Money Multiplication and Division	Fractions	Geometry: Properties of Shape Measure: Time	Measure: Time Statistics	Geometry: Positions and Direction Measure: length, height, mass, capacity and temperature

Year 3	Number and Place Value	Addition and Subtraction	Money	Geometry	Statistics	Measure: Length and Perimeter
	Addition and Subtraction	Multiplication and Division	Fractions	Statistics	Measure: Time	Measure: Mass and Capacity
Year 4	Number and Place Value	Multiplication and Division	Fractions	Decimals and Money	Statistics	Measure: Length and Perimeter
	Addition and Subtraction		Decimals and Money	Geometry	Measure: Time	Measure: Mass and Capacity
Year 5	Number and Place Value	Multiplication and Division	Fractions	Decimals and percentages	Statistics	Measures: Perimeter and Area
	Addition and Subtraction		Decimals and percentages	Geometry	Measure: Time	Measures: Length, Mass and Capacity
Year 6	Number and Place Value	Fractions	Ration and Proportion	Algebra	Project Work	
		Decimal and Percentages		Number, Geometry and Substantial	Preparation for KS3	

	Addition and Subtraction		Geometry: Shape, position and direction	Problem Solving		
	Multiplication and Division		Measure			
			Statistics			