Mathematics Long Term Plan 2024/25

Nursery

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13
Autumn Term	**Cardinality & Counting** 1.1 Accurate and consistent verbal counting to 5		**Measure** 1.1 Compare height (taller and shorter)	**Spatial Reasoning** 1.1 Understand and use simple positional language (in, on, under, next to)	**Shape** 1.1 Explore rotating and flipping objects to make a match (post boxes, inset puzzles and jigsaws)	**Sorting & Sequencing** 1.1 Sort by a single property - colour	**Counting** 2.1 One-to-one correspondence and cardinality to 3 2.2 Subitising 1 and 2	**Measure** 2.1 Understand and use attributes to compare length (long, short)	**Spatial Reasoning** 2.1 Understand and use positional language from viewpoint (in front, behind)	**Shape** 2.1 Explore construction with 3D shapes – combining shapes in two dimensions	**Sorting & Sequencing** 2.1 Sort by 2 properties – colour and size		Consolidation
Spring Term	**Cardinality & Counting** 3.1 One-to-one correspondence and cardinality to 5 3.2 Subitising to 3		**Measure** 3.1 Understand and use specific attributes for width and thickness (wide, narrow, thick, thin)	**Spatial Reasoning** 3.1 Understand and use everyday language of direction (up, down, through, over, under)	**Shape** 3.1 Explore pattern and picture making with 2D pattern blocks	**Sorting & Sequencing** 3.1 Sort using different combinations of properties (size attributions linked to measure, shape and colour)	**Cardinality & Counting** 4.1 Begin to recognise numerals and match to sets	**Measure** 4.1 Understand and use specific attributions for weight / mass (heavy, light, heavier, lighter)	**Spatial Reasoning** 4.1 Understand and use language of movement (forwards, backwards, sideways, turn)	**Shape** 4.1 Begin to notice properties of 3D shapes and find shapes that are the same	**Sorting & Sequencing** 4.1 Simple AB sequences varying colour or size (continue and copy patterns)	Consolidation	
Summer Term	**Cardinality & Counting** 5.1 Conservation of number to 5 with order irrelevance	**Comparison** 5.1 Compare sets of objects – which has more, fewer – just by looking	**Measure** 5.1 Time – sequence of events (first, next, after, before, morning, afternoon, evening, yesterday, tomorrow	**Spatial Reasoning** 5.1 Discuss routes and the order and location of things seen, extending vocab (in between, above, below, around, beside, across, along)	**Shape** 5.1 Explore more complex construction with 3D shapes – combining shapes to make arches and enclosures	**Sorting & Sequencing** 5.1 Simple AB sequences of sounds, actions and objects (making own patterns)	**Cardinality & Counting** 6.1 Accurate and consistent verbal counting to 10	**Composition** 6.1 Separate a group of 3 or 4 objects in different ways	**Measure** 6.1 Understand and use specific attributes for capacity (full, empty, part full)	**Spatial Reasoning** 6.1 Understand and use language of distance (far away, near, how far?)	**Shape** 6.1 Begin to notice properties of 2D shapes and find shapes that are the same, including the faces of 3D shapes	Consolidation	

Reception

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13
Autumn Term	Getting to know you Baseline	**Cardinality & Counting** 1.1 Accurate counting of sets of objects 1-5 1.2 Subitising 1-3 1.3 Numeral Recognition to 5	**Composition** 1.1 Conceptual subitising - noticing numbers within numbers	**Comparison** 1.1 Compare sets 1-5 using vocab of more / fewer / most /fewest	**Shape/Space** 1.1 2D shapes and their properties	**Pattern** 1.1 Simple AB patterns (complete, copy, make own and spot/correct errors in patterns)	**Cardinality & Counting** 2.1 Accurate counting of sets of objects 1-10, recognising and ordering numerals 1-10 2.2 Subitising 1-5		**Composition** 2.1 Applied conceptual subitising 2.2 Inverse operations - splitting and recombining sets of objects 1-5 including on part whole model		**Comparison** 2.1 Compare numbers using vocab of more/less 2.2 Find 1 more using sets of objects on tens frames and on a number track	**Pattern** 2.1 identifying unit of repeat – AB & ABC patterns	
Spring Term	**Cardinality & Counting** 3.1 Counting backwards 10-1 & ordering numbers 10-1	**Composition** 3.1 Systematic approach to partitioning sets of objects 1-5 including on part whole model	**Comparison** 3.1 Find 1 less using sets of objects on tens frame and on a number track	**Measures** 3.1 Height	**Shape/Space** 3.1 Spatial vocabulary (in front, behind, in between, on, in, under, first second, third)	**Pattern** 3.1 More complex patterns – ABB, ABBC 3.2 Generalising pattern and transferring to another format e.g. link pattern of shapes to movements	**Composition** 4.1 Recall number bonds for numbers 1-5 4.2 Partitioning and recombining sets of objects 6-9 Including on part whole model and tens frame		**Measures** 4.1 Length	**Shape/Space** 4.1 Representing spatial relationships as maps Spatial vocabulary (forwards, backwards, up, down, across)	**Pattern (alongside Comparison)** 4.1 Numerical Patterns – staircase patterns linked to finding 1 more/1 less using a mental numberline (Comparison)	Consolidation	
Summer Term	**Cardinality & Counting** 5.1 Counting beyond 10 noticing pattern in ones	**Composition** 5.1 Systematic approach to splitting and recombining 10 including on tens frame and part whole model 5.2 recall some number bonds for 10	**Measures** 5.1 Mass	**Shape/Space** 5.1 3D shapes properties of shapes	**Patterns** 5.1 Numerical patterns odds & evens	**Pattern (alongside Composition & Comparison)** 6.1 Symmetry/reflections – link to doubles 6.2 Share fairly (comparison), Use part whole model to partition numbers where both parts are the same (Composition) and Look at halving as inverse of doubles (Pattern)	**Cardinality & Counting** 6.1 Counting beyond 20 noticing pattern in tens		**Measures** 6.1 Capacity 6.2 Time – sequence of events	**Shape/Space** 6.1 Relationships between shapes	Sharing between more than two (comparison)	Splitting into more than 2 parts on a part whole model (composition)	

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	Week 13
Autumn Term	Place value to 10					Addition and subtraction to 10						Place Value within 20 (part 1 no number lines)	Place Value within 20 (part 1 no number lines)
Spring Term	Place Value within 20 (part 1 no number lines)	Addition and Subtraction to 20				Geometry: Properties of Shape		Money PV beyond 20 (part 1 counting in tens, read write and represent numbers to 100)		Place Value beyond 20 (part 2 counting in 2s, 5s)	Multiplication and division Place Value beyond 20 (part 3)		
Summer Term	Multiplication and division Place Value beyond 20 (part 3)	Measures Height and Length	Fractions – half and quarter of objects & shapes	Fractions – half and quarter of quantities	Place Value within 20 (part 2 placing numbers on marked and blank number lines, numbers as words)	Geometry: Position and direction	Measures – Practical mass – direct comparison through to non-standard units and introducing standard units	Measures – Practical capacity – direct comparison, non-standard units and intro to standard units	Measures Time			Consolidation	

Year 1/2

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13
Autumn Term	Place value to 10 Place value to 100					Addition and subtraction to 10 Addition and subtraction (part 1 no bridging)						Place Value within 20 (part 1 no number lines) Statistics	
Spring Term	Place Value within 20 (part 1 no number lines) Statistics	Addition and Subtraction to 20 Addition and Subtraction (part 2 bridging)				Geometry: Properties of Shape Geometry: Properties of Shape		Money PV beyond 20 (part 1 counting in tens, read write and represent numbers to 100) Money		Place Value beyond 20 (part 2 counting in 2s, 5s) Place Value (counting in 2s 3s 5s)	Multiplication and division Place Value beyond 20 (part 3) Multiplication and Division		
Summer Term	Multiplication and division Place Value beyond 20 (part 3) Multiplication and Division	Measures Height and Length Measures	Fractions – half and quarter of objects & shapes Fractions	Fractions – half and quarter of quantities Fractions	Place Value within 20 Fractions	Geometry: Position and direction Geometry Position and Direction	Measures – Practical mass – Measures Mass incorporating practical investigations	Measures – Practical capacity Measures Capacity and temperature	Measures Time Measures time			Consolidation	

Year 2

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13
Autumn Term	Place value to 100					Addition and subtraction (part 1 no bridging)						Statistics	
Spring Term	Statistics	Addition and Subtraction (part 2 bridging)				Geometry: Properties of Shape		Money		Place Value (counting in 2s 3s 5s)	Multiplication and Division		
Summer Term	Multiplication and Division	Measures	Fractions – unit fractions & non-unit fractions of lengths and shapes	Fractions – unit fractions of sets of objects or numbers - non unit fractions of sets of objects or numbers	Fractions – non unit fractions of sets of objects or numbers comparing and on number lines	Geometry Position and Direction	Measures Mass incorporating practical investigations	Measures Capacity and temperature incorporating practical investigations	Measures time			Consolidation	

Year 3

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13
Autumn Term	Number and Place Value					Recall of addition and subtraction key facts	Addition and Subtraction						Consolidation
Spring Term	Multiplication and Division				Fractions			Decimals	Money		Money linked to 4 operations	Shape - Geometry	Consolidation
Summer Term	Shape - Geometry	Shape	Measure – Length	Measure – Perimeter	Statistics	Measure – Time				Statistics	Measure – Weight	Measure – Capacity	Consolidation

Year 3/4

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13
Autumn Term	Number and Place Value Number and Place Value					Recall of addition and subtraction key facts Number and Place Value	Addition and Subtraction Addition and Subtraction						Consolidation
Spring Term	Multiplication and Division Multiplication and Division				Fractions Fractions			Decimals Decimals	Money Decimals/ money		Money linked to 4 operations Money linked to 4 operations	Shape - Geometry Shape - Geometry	Consolidation
Summer Term	Shape - Geometry Shape - Geometry	Shape Shape- Position and Direction	Measure – Length Measure – Length	Measure – Perimeter Perimeter and Area	Statistics Statistics	Measure – Time Measure – Time				Statistics Statistics	Measure – Weight Measure - Weight	Measure – Capacity Measure – Capacity	Consolidation

Year 4

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13
Autumn Term	Number and Place Value						Addition and Subtraction						Consolidation
Spring Term	Multiplication and Division				Fractions			Decimals	Decimals/ money		Money linked to 4 operations	Shape - Geometry	Consolidation
Summer Term	Shape - Geometry	Shape- Position and Direction	Measure – Length	Perimeter and Area	Statistics	Measure – Time				Statistics	Measure - Weight Measure – Capacity		Consolidation

Year 5

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13
Autumn Term	Number and place value				Addition and subtraction			Multiplication and division					
Spring Term	Fractions				Decimals			Percentages	F/D/P Problems	Geometry – Shape	Geometry – Shape		Geometry – Position and Direction
Summer Term	Measures/ Decimals	Measures	Measures		Measures		Geometry – Shape		Geometry – Position and Direction	Statistics	Statistics	Substantial problems/consolidation	

Year 5/6

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13
Autumn Term	Number and place value Number and place value				Addition and subtraction Addition and subtraction			Multiplication and division Multiplication and division				Multiplication and division Statistics	
Spring Term	Fractions Fractions				Decimals Decimals			Percentages Percentages	F/D/P Problems and consolidation Ratio and Proportion	Geometry – Shape Algebra	Geometry – Shape Geometry – Shape		Geometry – Position and Direction Geometry – Position and Direction
Summer Term	Measures/ Decimals Measures/ Decimals	Measures Measures	Measures Consolidation of all topics		Measures Measures		Geometry – Shape Geometry – Shape		Geometry – Position and Direction Geometry – Position and Direction	Statistics Ratio and Proportion	Statistics Algebra	Substantial problems/consolidation Substantial problems/investigations	

Year 6

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13
Autumn Term	Number and place value				Addition and subtraction			Multiplication and division				Statistics	
Spring Term	Fractions				Decimals			Percentages	Ratio and Proportion	Algebra	Geometry - Shape		Position and Direction
Summer Term	Measures/ Decimals	Measures	Consolidation of all topics		Measures		Geometry – Shape		Geometry – Position and Direction	Ratio and Proportion	Algebra	Substantial problems/investigations	