Mathematics Long Term Plan

EYFS – Nursery overview

Nursery	Autumn	Spring	Summer
	Cardinality & Counting • verbal counting to 5 • 1:1 correspondence • cardinality to 3 • subitising 1 and 2	**Cardinality & Counting** • 1:1 correspondence and cardinality to 5 • subitising 3 • recognise numerals and match to sets	**Cardinality & Counting** • conservation of number to 5 with order irrelevance • counting to 10 **Comparison** • compare sets of objects • separate a group in different ways • equal sets
	Measures • compare height and length	**Measures** • weight/mass (heavy light, heavier, lighter) • width and thickness (wide, narrow, thick, thin)	**Measures** • time – sequence of events • capacity (full, empty, part full) • compare capacities
	Spatial Reasoning • in, on, under, next to • in front, behind	**Spatial Reasoning** • direction (up, down, through, over, under) • movement (forwards, backwards, sideways, turn)	**Spatial Reasoning** • in between, above, below, around, beside, across, along • distance (far away, near, how far?)
	Shape • rotating and flipping objects to make a match • construction with 3D shapes	**Shape** • pattern and picture making with 2D pattern blocks • properties of 3D shape • find shapes that are the same	**Shape** • more complex construction with 3D shapes • properties of 2D shapes and find shapes that are on the faces of 3D shapes
	Sorting & Sequencing • sort by a single property, then by 2 properties	**Sorting & Sequencing** • sort using different combinations of properties • simple AB sequences varying colour or size	**Sorting & Sequencing** • simple AB sequences of sounds, actions and objects

Term	EYFS - reception OVERVIEW				
Autumn	Getting to know you	Just like me	It's me 1,2,3!	Light and dark	Alive in 5!
Spring	Growing 6,7,8		Building 9,10		To 20 and beyond (1)
Summer	To 20 and beyond (2)		First, then, now	Find my pattern	On the move

Term	Year 1 Overview			
Autumn	**Number: Place Value (within 10)**	**Number: Addition and Subtraction (within 10)**	**Geometry: Shape**	**Number: Place Value (within 20)**
	Multiplication tables - Count in 2, 5, 10			
Spring	**Number: Addition and Subtraction (within 20)**	**Number: Place Value (within 50)** *includes counting in 2s and 5s*	**Measurement: Length and Height**	**Measurement: Mass and Volume**
	Multiplication tables - Count in 5, 10 and recite 2			
Summer	**Number: Multiplication and Division** (reinforce multiples of 2, 5 and 10 to be included) — **Number: Fractions** — **Geometry: Position & Direction** — **Number: Place Value (within 100)** — **Measures: Money**			**Measurement: Time**
	Multiplication tables - Recite 5, 10 and multiply 2 *Fluency – Addition and subtraction within 10*			

Term	Year 2 Overview				
Autumn	**Number: Place Value**	**Number: Addition and Subtraction**		**Measurement: money**	**Number: Multiplication and division**
	Multiplication tables - Recite 5, 10 and multiply 2 and count in 4s 2NF–1 Secure fluency in addition and subtraction facts within 10, through continued practice.				
Spring	**Number: Multiplication and Division**	**Statistics**	**Geometry: Properties of Shape**		**Number: Fractions**
	Multiplication tables - Multiply 5, 10 and divide 2 and count in 4s 2NF–1 Secure fluency in addition and subtraction facts within 10, through continued practice.				
Summer	**Measurement: Time**	**Geometry: Position and Direction**	**Problem solving**	**Measurement: Length & Height**	**Measurement: Mass, Capacity and Temperature**
	Multiplication tables - Divide 2, 5, 10 and recite in 4s *Fluency – Addition and subtraction across 10*				

Term	Year 3 overview			
Autumn	**Number:** **Place Value**	**Number:** **Addition and Subtraction**		**Number:** **Multiplication and Division**
	• *Language of 25, 50, 75, 100 must be needs to be a fluent spoken language pattern* • *Yr 3= Multiplication tables - Divide 2, 5, 10 and recite in 4, 8, count 3, 11*			
Spring	**Number: Multiplication and Division**	**Measurement:** **Length and Perimeter**	**Number: Fractions**	**Measures:** **Mass and Capacity**
	Yr 3= Multiplication tables - Divide 2, 5, 10 and multiply 4, 8, recite 3, 11			
Summer	**Measure: Money**	**Measurement:** **Time**	**Statistics**	**Geometry:** **Properties of shape**
	Yr 3= Multiplication tables - Divide 2, 4, 5, 10 and multiply 8, 3, 11			

Term	Year 4 overview		
Autumn	**Number:** Place Value	**Number:** Addition and Subtraction	**Number:** Multiplication and Division
	• Language of 25, 50, 75, 100 must be needs to be a fluent spoken language pattern *• Yr 4 = Multiplication tables - Divide 2, 4, 5, 10, 11 and multiply 3, 8 and recite 6, 7, 9, 12*		
Spring	**Number: Multiplication and Division**	**Measurement:** Length, Perimeter and area	**Number: Fractions**	**Measures:** Mass and Capacity
	Yr 4 = Multiplication tables - Divide 2, 3, 4, 5, 8, 10, 11 and multiply 6, 7, 9, 12		
Summer	**Number: Decimals** **Measure: Money**	**Measurement:** Time	**Statistics**	**Geometry: Properties of shape** **Position and direction**
	Yr 4 = Multiplication tables - Divide all to 12 x 12		

	Year 5 Overview				
Autumn	**Number:** **Place Value**	**Number:** **Four operations**			**Number:** **Fractions**
Spring	**Number:** **Decimal and Percentages**	**Measure:** **Convert units**	**Number: Ratio**	**Measure:** **Perimeter, Area and Volume**	**Number:** **FDP consolidation**
Summer	**Geometry:** **Property of Shape** **Position and Direction**	**Statistics**			**Investigations and consolidation**

	Year 6 Overview				
Autumn	**Number:** Place Value	**Number:** Four operations			**Number:** Fractions
Spring	**Number:** Decimal and Percentages	**Measure:** Convert units	**Number:** Ratio	**Measure:** Perimeter, Area and Volume	**Number:** Algebra
Summer	**Geometry:** Property of Shape Position and Direction	**Statistics**			**Investigations and consolidation**