



Nursery						Reception					
Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Recognise the colours red, blue, yellow, green, purple. Children identify coloured objects and say if an object is the correct colour or not. Recognise matching items. Sort by size Sort by colour Sorting – What do you notice? Sorting – Guess my rule	Number 1 – Subitising Number 1 – Counting Number 1 – Numeral matching Number 2 – Subitising dice patterns Number 2 – Subitising different patterns Number 2 – Subitising different sizes and patterns Number 2 – Counting Number 2 – Link numeral and amounts Colour AB patterns Extend AB patterns outdoor objects Extend AB patterns – Movement Fix my pattern (AB patterns) Extend ABC colour patterns Outdoor ABC patterns Consolidation – Sorting and matching Consolidation – Pattern	Subitising 3 — Dice patterns Subitising 3 — Different patterns Subitising 3 Counting 3 Numeral 3 Composition of 3 Recognise triangles Counting 4 Numeral 4 Recognise squares and triangles Composition of 4 Counting 5 Numeral 5 Recognise pentagons Composition of 5	Consolidation — Subitising Consolidation — Counting Consolidation — Numerals Counting 6 Counting 6 — ten frame Tall and short Long or short Mass — introducing balance scales Mass- Lighter Mass- heavier or lighter Capacity — Full or empty Capacity — Nearly full or nearly empty Capacity — comparing containers Consolidation — Length Consolidation — Mass Consolidation — Capacity	Sequencing Position – On and under Position – In and out Position - In front and behind Comparing groups – More than 2D shapes – Circle 2D shapes – Triangles 2D shapes – Rectangles 3D shapes – Cubes and cuboids 3D shapes – Cylinders 3D shapes Sphere Consolidation – Sequencing Consolidation – Position Consolidation – More and fewer	Composition of 3 Composition of 4 Number Composition What comes after? What comes before? Numbers to 5 Consolidation – Shape patterns Consolidation – More or fewer Consolidation – What comes before or after? Consolidation – Composition	Recognise numerals to 5. Count objects to 5. Find a total of two groups by counting up to a total of 5. Compare two groups of objects saying when they have the same number. Subitise numbers to 5 Compare length, weight and capacity.	Count forwards and backwards to 10. Count objects, actions and sounds. Link the number symbol with its cardinal value. Understand one more and one less than relationship between consecutive numbers. Compose and decompose shapes so that children recognise a shape can have other shapes within it. Continue, copy and create repeating patterns.	Subitise. Link the number symbol (numeral) with its cardinal number value. Count beyond 10. Compare numbers. Explore composition of numbers to 10. Compare length, weight and capacity.	Understand one more and one less than relationship between consecutive numbers. Explore composition of numbers to 10. Automatically recall the number bonds for numbers 0-10. Compose and decompose shapes so that children recognise a shape can have other shapes within it.	Subitise (recognise quantities without counting) up to 5. Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds to 10, including double facts. Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity.	Have a deep understanding of number to 10, including the composition of each number. Verbally count beyond 20, recognising the pattern of the counting system. Explore and represent patterns within numbers up to 10, including evens and odds, double facts and how quantities can be distributed equally.





Mathematics Development Matters 3-4 years

- Develop fast recognition of up to 3 objects, without having to count them individually ('subitising').
- Recite numbers past 5.
- Say one number for each item in order: 1,2,3,4,5.
- Know that the last number reached when counting a small set of objects tells you how many there are in total ('cardinal principle').
- Show 'finger numbers' up to 5.
- Link numerals and amounts: for example, showing the right number of objects to match the numeral, up to 5.
- Experiment with their own symbols and marks as well as numerals.
- Solve real world mathematical problems with numbers up to 5.
- Compare quantities using language: 'more than', 'fewer than'
- Talk about and explore 2D and 3D shapes (for example, circles, rectangles, triangles and cuboids) using informal and mathematical language: 'sides', 'corners'; 'straight', 'flat', 'round'
- Understand position through words alone for example, "The bag is under the table," with no pointing.
- Describe a familiar route.
- Discuss routes and locations, using words like 'in front of' and 'behind'.
- Make comparisons between objects relating to size, length, weight and capacity
- Select shapes appropriately: flat surfaces for building, a triangular prism for a roof, etc.
- Combine shapes to make new ones an arch, a bigger triangle, etc
- Talk about and identify the patterns around them. For example: stripes on clothes, designs on rugs and wallpaper. Use informal language like 'pointy', 'spotty', 'blobs', etc.
- Extend and create ABAB patterns stick, leaf, stick, leaf.
- Notice and correct an error in a repeating pattern.
- Begin to describe a sequence of events, real or fictional, using words such as 'first', 'then...'

Mathematics Number (ELG)

- Have a deep understanding of number to 10, including the composition of each number.
- Subitise (recognise quantities without counting) up to 5.
- Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds to 10, including double facts.

Numerical patterns (ELG)

- Verbally count beyond 20, recognising the pattern of the counting system.
- Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity.
- Explore and represent patterns within numbers up to 10, including evens and odds, double facts and how quantities can be distributed equally.





Nursery yearly overview

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn Starters: Number songs	Colours • Red • Blue • Yellow	Colours Green Purple Mix of colours	Match Buttons and colours Matching towers Matching shoes	Match • Match number shapes • Match shapes • Pattern handprints — big and small	Sort Colour Size Shape	Sort What do you notice? Guess the rule Guess the rule	Number 1 • Subitising • Counting • Numeral	Number 2 Subitising- dice pattern Subitising- random pattern Subitising — different sizes	Number 2 Counting Numeral Numeral	Pattern Extend AB Colour patterns Extend AB Outdoor Patterns AB Movement Patterns	Fix my Pattern Extend ABC Colour patterns Extend ABC Outdoor Patterns	Consolidation Activities - Winter activity week
Spring Starters: Number songs	Number 3 Subitising Subitising Subitising	Number 3 3 Little pigs 1:1 counting Numerals/Tria ngles	Number 4 1:1 counting Numerals Squares/recta ngles	Number 4 Composition of 4 Composition of 4 Composition of 4	Number 5 1:1 counting Numerals Pentagon	Number 5 Composition of 5 Composition of 5 Composition of 5	Consolidate 1 - 5	Number 6 Introduce 10 frame	Height & Length Tall and short Long and short Tall/long and short	Mass Relate to books 3 little pigs goldilocks	Capacity	Consolidation
Summer Starters — subitising and revision	Sequencing	Positional Language	More than/fewer than	Shape — 2D Revisit pattern from Autumn	Shape — 3D Revisit pattern from Autumn	Consolidation: More than/fewer one more and one less	Number composition 1 – 5 Revision	What comes after?	What comes before?	Numbers to 5	Consolidation / Activity weeks SUMMER	Consolidation / Activity weeks





Reception yearly overview

Ш	Week 1 Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn term	Getting to know you	and compa	compare FREE TRIAL VIEW		Talk about It's m measure 1, 2, 3 and patterns			M Circles and triangles	1, 2, 3	VIEW	Shapes with 4 sides
Spring term	Alive in 5	Mass and capacity	Growing 6, 7, 8			Length, height and time		Building 9 and 10		Explo 3-D s	
Summer term	To 20 and beyond	How many now?	Manip compo and decon	ose		Sharing and grouping		Visualise, build and map		Make connections	Consolidation





Year 1 yearly overview

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Number Place	value (within	10)		Number Addit (withi	ion and in 10)	l subtro	action		Geometry Shape	Consolidation
Spring						ddition and Place value Length (within 50) and					Measure Mass and volun	
Summer	Number Multiplication and division Number Fractions				ions	Geometry Position and direction		value in 100)	Measurement Money	Measure Time	ement	Consolidation





Year 2 yearly overview

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Numbe Place	e value			Numbe Addi	er ition an	d subti	raction		Geome Sha ţ		
Spring		Measurement Number Money Multiplica				on and division Length and height					rement s, icity an peratur	
Summer			Measu Tim e	rement		Statistics Po			netry Sition Consolidation d ection			





Year 1			Year 2								
Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Place Va	lue: Coun	t									
Place value within 10 Count to and across 10, forwards and backwards, beginning with 0 or 1, or from any given number Count numbers to 10 in numerals. (5 weeks)		Place value within 20 Count to and across 20, forwards and backwards, beginning with 0 or 1, or from any given number Count numbers to 20 in numerals; count in multiples of twos, fives and tens. (3 weeks)	Place value within 50 Count to and across 50, forwards and backwards, beginning with 0 or 1, or from any given number Count numbers to 50 in numerals; count in multiples of twos, fives and tens (2 weeks)		Place value within 100 Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number Count numbers to 100 in numerals; count in multiples of twos, fives and tens (2 weeks)	Place value Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward (4 weeks)					
Place Va	lue: Repre	esent								<u>'</u>	
Identify and represent numbers using objects and pictorial		Identify and represent numbers using objects and pictorial	Identify and represent numbers using objects and pictorial		Identify and represent numbers using objects and pictorial	Read and write numbers to at least 100 in numerals and in words Identify, represent					





representations Read and write numbers to 10 in numerals Read and write numbers from 1 to 10 in numerals and words. (5 weeks)	representations Read and write numbers to 20 in numerals Read and write numbers from 1 to 20 in numerals and words. (3 weeks)	representations Read and write numbers to 50 in numerals Read and write numbers from 1 to 20 in numerals and words. (2 weeks)	Read ar number in nume Read ar	nd write including line. (4 weeks als and	susing tations, the number			
Place Value: U	se and Compare							
Given a number, identify one more and one less. (5 weeks)	Given a number, identify one more and one less. (3 weeks)	Given a number, identify one more and one less. (2 weeks)	Given a number identify more at less. (2 week	r, value of v one a two-dig nd one (tens, on Compare ks) numbers	e and order from 0 up to <, > and =			
Place Value: P	roblems/ Round	ing						





Addition	Addition and Subtraction: Calculations Add and subtract Add and subtract Add and subtract Add and subtract Numbers using													
	Add and subtract one-digit and two digit numbers to 10, including zero. (4 weeks)	Add and subtract one-digit and twodigit numbers to 20, including zero. (2 weeks)		Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: > a two-digit number and ones > a two-digit number and tens > two two-digit numbers > adding three onedigit numbers (4 weeks)										
Addition	and Subtra	action: Problems												
	Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = -9 (4 wee	Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = −9 (2 √ ks)		solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures applying their increasing knowledge of mental and written methods. (4 weeks) 										





Multiplio	Multiplication and Division: Recall/ Use													
				Count in 2s, 5s and 10s. Count in 10s to 100. Count in coins.					Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot (5 weeks)					





Multiplic	Multiplication and Division: Calculations													
									Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs. (5 Weeks)					
Multiplic	ation and [Division: Pr	oblems											
				Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher. (3 weeks)					Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts. (5 weeks)					





Fractions	Fractions: Recognise and write Recognise, find Recognise													
					Recognise, find and name a half as one of two equal parts of an object, shape or quantity Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity. (2 weeks)					Recognis e, find, name and write fractions 1/3, ¼, /.4 and ¾ of a length, shape, set of objects or quantity. (3 Weeks)				
Fractions	s: Compare													
										Recognis e the equivale nce of 1/2 and 2/4 (3 Weeks.				
Fractions	: Calculation	ons												
										Write simple fractions				





										for example, 1/2 of 6 = 3 (3 weeks)	
Algebra											
	ormal algebraic notat e 'missing number' ob		until Y6, algebraic thii	nking starts much e	arlier as	Note – although form much earlier as exem	-				g starts
	problems that in sentations, and m			-	ects and	Recognise and use and use this to ch		•			
Measure	ment: Usin	ig measure	S								
			Compare, describe and solve practical problems for: -lengths and heights -mass/weight -capacity and volume Measure and begin to record the following: -lengths and heights -mass/weight -capacity and volume (4 weeks)		Compare, describe and solve practical problems for: -Time Measure and begin to record the following: -time (hours, minutes, seconds) (2 Weeks)				Choose and use appropriate standard units to estimate and measure; length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers		





Money				and measuressels Compare a order leng mass, volume/ca and record results usine < and = (5 Weeks)	and ths, pacity I the ng >,	
		Recognise and know the value of different denominations of coins and notes. (1 week)	and syr poor and (p) cor am ma par val Fin difficor of a equipment of the core are am modern of the core appropriate the core appropria	mbine nounts to like a rticular ue d ferent mbinations coins that ual the		





		involving addition and subtraction of money of the same unit, including giving change. (2 weeks)	
Time			
	Sequence events in chronological order using language [for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening] Recognise and use language relating to dates, including days of the week, weeks, months and years. Tell the time to the hour and		Compare and sequenc e intervals of time Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times





Geometry: 2D shape	es	half past hour and the hand clock fac show the times. (2 weeks	I draw is on a e to ese			Know the number of minutes in an hour and the number of hours in a day. (2 weeks)	
Recognise and name common 2-D shapes [for example, rectangles (including squares), circles and triangles] (1 week)				Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line. Identify 2-D shapes on the surface of 3-D shapes, [for example,			





					a circle on a		
					cylinder		
					and a		
					triangle on		
					a		
					pyramid]		
					Compare		
					and sort		
					common 2-		
					D hapes		
					and		
					everyday objects		
					(3 weeks)		L
Geometr	ry: 3D shap	es					
	Recognise and				Recognise		
	name				and name		
	common 3-D				common 3-		
	shapes				D shapes		
	[for example,				[for		
	cuboids				example,		
	(including cubes),				cuboids		
	pyramids and				(including		
	pyrainius anu						
	spheres]				cubes),		
	(1 week)				pyramids		
					and		
					spheres]		
					Compare		
					and sort		
					common 3-		
					D shapes		
					and		
					everyday		
					objects.		
					(3 weeks)		





Position and Direction									
	Describe	Order and							
	position,	arrange							
	direction and	combinations							
	movement,	of							
	including	mathematical							
	whole, half,	objects in							
	quarter and	patterns and							
	three-quarter	sequences							
	turn.	Use							
	(1 week)	mathematical							
		vocabulary to							
		describe							
		position,							
		direction and							
		movement,							
		including							
		movement in							
		a straight line							
		and							
		distinguishing							
		between							
		rotation as							
		a turn and in							
		terms of							
		right angles							
		for quarter,							
		half and							
		three-quarter							
		turns(clockwis							
		e and anti-							
		clockwise)							
		(2 weeks)							





Statistics: Present and interpret data											
											Interpret and construct simple pictograms, tally charts, block diagrams and simple tables.
Solve sta	tistical pro	blems									
											Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity Ask and answer questions about totalling and comparing categorical data.