Number

Autumn 1	Autumn	Spring	Summer
Numbers to 10 and Subitising			
a. I can count in my play. (I may skip some numbers)	a. I can say 1 number for each item I count – up to 5 objects, objects in a line or moving them while counting. b. I am starting to subitise up to 3. c. I can experiment with marks and symbols when encourages.	a. I can count objects to 5 and sometimes match to correct numeral. b. I can subitise up to 3. c. I can experiment with marks and symbols.	a. I can count recognise and order using numbers to 5. b. I can experiment with own symbols, marks, and numerals. c. I can quickly say how many there are (up to 3).
a. I can show numbers to 5 using concrete resources b. I can match numeral and quantity to 5 c. I can say one number name for each item d. I can quickly say how many there are (up to 3) **in different arrangements**	a. I can count to 5 using **different** mathematical resources b. I can match numeral and quantity to 5 c. I beginning to subitise to 5	a. I can count objects, claps, movements up to 10 b. I can match numeral and quantity (within 10) c. I can quickly say how many there are (up to 5)	a. I can show how numbers to 10 are made up using different models e.g., part whole, tens frame b. I can recognise the numerals to 10 and match to quantity consistently c. I can recognise quantities up to 5 without counting
Calculation			
I can say when there are 'lots' in play	I can make a simple comparison between two amounts.	I can make comparison between quantities and use some language with support.	I can make comparisons between quantities using the vocabulary less, more, the same.
I can solve some simple problems with numbers to 5	I can start to show how numbers can be made up e.g. 1 and 3 is 4 and know there is more than one way of doing this	a. I can recall number bonds to 5 b. I can start to give some linked subtraction facts c. I can start to recall some double facts e.g. 1 and 1 is 2	a. I can recall number bonds up to 5 and some to 10 b. I can match subtraction facts with number bonds c. I can recall some double facts within 10

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 Pattern

	Autumn 1	Autumn	Spring	Summer
	The Number System			
Nursery	I can join in with some number songs.	I can recite numbers to 5	I can recite numbers beyond 5.	I can recite numbers beyond 5 and represent using my fingers.
Reception	a. I can count to 5 reliably b. I can start to count beyond 5	I can count to 10 by rote	I can count to 20, knowing the teen numbers	I can count beyond 20
	Comparison			
Nursery	I can compare size using gesture (Bigger, little, small, heavy, tall).	a. I can start to use vocabulary to describe the time of day that things happen. b. I can say which is big and small.	a. I can start top talk about upcoming events and talk about what happened after the event. b. I am starting to compare two items by length, weight and capacity in play	a. I can sequence a pattern of events using time language. b. I can talk about objects comparing two items by their size, length, weight and capacity.
Reception	I am starting to compare quantities using non-standard vocabulary	a. I can compare manipulatives b. I can find one more/ one less using resources	a. I can compare two quantities saying when one is bigger/smaller/same b. I can say a number that is one more/ less without resources	I can compare quantities using greater/ more than, fewer/ less than, the same/ equal
	Patterns			
Nursery	I can complete a simple insert puzzle/jigsaw.	I can spot a pattern and talk about it, e.g., stripes on a scarf.	I can extend a pattern that someone has created. I can copy an a, b, a, b pattern.	I can talk about patterns and spot errors. I can start to continue and copy patterns.
Reception	I can continue and copy patterns	a. I can continue and create my own patterns.	a. I can spot errors in the pattern b. I can name my pattern e.g. ABAB c. I can start to identify odd and even numbers linked to sharing	a. I can show patterns in numbers to 10 b. I can talk about odd and even numbers c. I can say double facts d. I can share equally
	Shape			

Nursery	a. I can sort objects by colour, size or shape. b. I can complete a simple insert puzzle/jigsaw.	I can use shapes for building thinking about their properties (flat sides for stacking) I can understand position through words alone.	I am starting to use some positional language.	I can talk about 2D &3D shapes (informal language – sides, straight, round, flat) I can use some positional language.
Reception	a. I play with and explore shapes b. I can complete a simple jigsaw c. I can talk about shapes and their properties (informal language – sides, straight, round, flat)	a. I recognise that shapes can be used to make other shapes and talk about these. b. I can copy simple 2d & 3d shape patterns	a. I can recognise shapes have other shapes within them, and predict/explore what these might be. b. I can use my knowledge of trajectories to create more complex patterns and models.	a. I can compose and decompose shapes to recognise others within it, just as numbers can. b. I can choose, manipulate and move shapes, developing my reasoning skills.
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.			

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**
Autumn	Place value (within 10)					Addition and subtraction (within 10)					Shape (recognise and name 3D shapes)	CONSOLIDATION
Spring	Place value (within 20)			Addition and subtraction (within 20)			Place value (within 50)		Length and height (compare lengths and heights, measure length using objects, measure length using centimetre)		Mass and volume (heavier and lighter, measure mass, compare mass, full and empty, compare volume, measure capacity, compare capacity)	
Summer	Multiplication and division			Fractions		Geometry (position and direction)	Place value (within 100)		Money	Time		CONSOLIDATION

<table>
<tr><th colspan="13">Year 2</th></tr>
<tr><th></th><th>Week 1</th><th>Week 2</th><th>Week 3</th><th>Week 4</th><th>Week 5</th><th>Week 6</th><th>Week 7</th><th>Week 8</th><th>Week 9</th><th>Week 10</th><th>Week 11</th><th>Week 12</th></tr>
<tr><td>Autumn</td><td colspan="4">Place value
(count in 2, 3, 5 and 10, 10s and 1s on the number line to 100, order and compare numbers to 100, estimate numbers on a number line to 100)</td><td colspan="5">Addition and subtraction
(bonds to 10, bonds to 100, add and subtract 1s, add three 1 digit numbers, subtract across 10, subtracts 1 digit from 2 digit number across 10, 10 more/less, add two 2 digit numbers (inc. across 10)</td><td colspan="3">Shape
(recognise, draw and sort 2d shapes, recognise and sort 3d shapes, make patterns with 2d and 3d shapes, count sides and vertices on 2d and 3d shapes, recognise and use lines of symmetry to complete shapes)</td></tr>
<tr><td>Spring</td><td colspan="2">Money
(count money in £ and p using notes and coins, compare amounts of money, make the same amounts of money make £1.00, calculate with money)</td><td colspan="5">Multiplication and division
(recognise, make and add equal groups, arrays, introduce the multiplication symbol, multiplication sentences, make equal groups (sharing and grouping), 2, 5, 10 times tables, divide by 2, 5, 10, doubling and halving, odd and even numbers)</td><td colspan="2">Length and height
(measure in cm and m, compare and order lengths and heights, 4 operations with lengths and heights)</td><td colspan="3">Mass, capacity and temperature
(compare mass, volume and capacity, measure in g and kg, m and ml, four operations with volume, capacity and mass, temperature)</td></tr>
<tr><td>Summer</td><td colspan="3">Fractions</td><td colspan="3">Time</td><td colspan="2">Statistics</td><td colspan="2">Position and direction</td><td>CONSOLIDATION</td></tr>
</table>

<table>
<tr><th colspan="13">Year 3</th></tr>
<tr><th></th><th>Week 1</th><th>Week 2</th><th>Week 3</th><th>Week 4</th><th>Week 5</th><th>Week 6</th><th>Week 7</th><th>Week 8</th><th>Week 9</th><th>Week 10</th><th>Week 11</th><th>Week 12</th></tr>
<tr><td>Autumn</td><td colspan="3">Place value
(represent and particition numbers to 100, 1000, including flexible partitioning, estimate, compare and order numbers to 1000 inc on a number line, find 1, 10, 100 more or less, count in 50s)</td><td colspan="5">Addition and subtraction
(add and subtract 1, 10, 100, add 2 and 3 digit numbers, subtract 2 digit from 3 digit numbers, inverse operations, complements to 100, add and subtract 2 numbers with no exchange, add/subtract two numbers across 10, 100,</td><td colspan="4">Multiplication and division A
(multiplication as equal groups, multiples of 10, multiples of 2, 5, 10, multiply/divide by 3, 4, 8, multiplication tables for 2, 3, 4, 5, 8, 10, represent using arrays, sharing and grouping)</td></tr>
<tr><td>Spring</td><td colspan="3">Multiplication and division B
(multiply 2 x 1 digit; including with exchange, divide 2 x 1 digit number with no exchange; flexible partitioning; with remainders, link multiplication and division, scaling)</td><td colspan="4">Length and perimeter
(measure in mm, cm, m, equivalent lengths in mm, cm, m, compare lengths, add/subtract lengths, measure and calculate perimeter)</td><td colspan="3">Fractions A
(compare and order unit fractions, understand the denominators of unit fractions, understand the numerators of non-unit fractions, compare and order non-unit fractions, compare and order unit fractions, count and represent fractions on a number line, fractions and scales, understand the whole)</td><td colspan="3">Mass and capacity
(compare, measure, add/subtract mass in g/ kg, equivalent masses in g/kg, compare, measure, add/subtract capacity and volume in ml, l, equivalent capacity and volume ml, l)</td></tr>
<tr><td>Summer</td><td colspan="2">Fractions</td><td colspan="3">Money</td><td colspan="4">Time</td><td colspan="2">Shape</td><td colspan="2">Statistics</td><td>CONSOLIDATION</td></tr>
</table>

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
Autumn	Place Value (represent numbers to 1,000, partition number to 1,000, number line to 1,000, thousands, represent numbers to 10,000, partition numbers to 10,000, flexible partitioning of numbers to 10,000, find 1,10,100,1,00 more and less, estimate on a number line to 10,000, compare and order to 10,000, roman numerals, round to the nearest 10, 100, 1,000)				Addition & Subtraction (add and subtract 1s, 10s, 100s and 1,00s, add up to two 4 digit numbers, subtract two 4 digit numbers, efficient subtraction, estimate answers, checking strategies)			Area (what is area? Count squares, make shapes, compare areas)	Multiplication & Division A (multiples of 3, 6 times-tables and division facts, 9 times-table and division facts, 7 times-table and division facts, 11 times-table and division fats, 12 times-table and division facts, multiply by 1 and 0, divide a number by 1 and itself, multiply three numbers)			
Spring	Multiplication & Division B (factor pairs, use factor pairs, multiply by 10, multiply by 100, divide by 10, divide by 100, related facts – multiplication and division, multiply 2& 3 digit numbers by a one digit number, divide a 2&3 digit numbers by a one digit number)			Length and Perimeter (measure in km and m, equivalent lengths in km and m, perimeter on a grid/rectangle/rectilinear shapes, find missing lengths in rectilinear shapes, calculate the perimeter of rectilinear shapes, perimeter of regular polygons,)	Fractions (understand the whole, count beyond 1, partition a mixed number, number lines with mixed numbers, compare and order mixed numbers, understand improper fractions, convert mixed numbers to improper fractions,				Decimals A (Tenths as fractions, as decimals, on a place value chart, on a number line, divide a 1-digit number by 10, divide a 2-digit number by 10, hundredths as fractions, decimals and on a place value chart, dive a 1 or 2-digit number by 100.)		
Summer	Decimals B		Money		Time		CONSOLIDATION	Shape		Statistics	Position and Direction	

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**
Autumn	Place Value (Roman numerals to 1,000, Numbers to 10,000, 100,000, 1,000,000, Read and write numbers to 1,000,000, Powers of 10, 10/100/1,000/10,000/100,000 more or less, Partition numbers to 1,000,000, Number line to 1,000,000, compare and order numbers to 100,000)			Addition & Subtraction (Add and subtract whole numbers with more than 4 digits, Round to check answers, inverse operations, compare calculations, find missing numbers)		Multiplication & Division A (multiples, common multiples, factors, common factors, prime numbers, square numbers, cube numbers, multiply by 10, 100, 1,000, divide by 10, 100, 1,000, multiples of 10,100,1,000)			Fractions A (Find fractions equivalent to a unit/non-unit fraction, recognise equivalent fractions, convert improper fractions to mixed numbers, convert mixed numbers to improper fractions, compare fractions less than 1, order fractions less than/greater than 1, add and subtract fractions with the same denominator, add fractions within 1, add fractions with a total greater than 1, add to 2 mixed numbers, subtract fractions, subtract from up to 2 mixed number.)			
Spring	Multiplication & Division B (multiply up to a 4 digit number by a one digit number, multiply by a 2/3/4 digit number by a two digit number, solve problems with multiplication, short division, divide a 4 digit number by a 1 digit number, divide with remainders, efficient division, solve problems with multiplication and division.)			Fractions B (multiply a unit fraction by an integer, multiply a non-unit fraction by an integer, multiply a mixed number by an integer, calculate a fraction of a quantity, fraction of an amount, find the whole, use fractions as operators.)		Decimals & Percentages (Decimals up to 2 decimal places, equivalent fractions and decimals – tenths/hundreths, equivalent fractions and decimals, thousandths as fractions/decimals/on a place value chart, order and compare decimals up to 3 decimal places, round to the nearest whole number/1 decimal place, understand percentages, percentages as fractions/decimals, equivalent fractions, decimals and percentages.)			Perimeter & Area (Perimeter of area, perimeter of rectilinear shapes, perimeter of polygons, area of rectangles, area of compound shapes, estimate area.)		Statistics (Draw line graphs, read and interpret line graphs, read and interpret tables, two-way tables, read and interpret timetables.)	
Summer	Shape			Position & Direction		Decimals			Negative Numbers	Converting Units		Volume

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
Autumn	Place Value (Numbers to 1,000,000, Numbers to 10,000,000, read and write to 10,000,000, Powers of 10, Number line to 10,000,000, Compare and order any integers, round any integer, negative numbers.)		Addition, Subtraction, Multiplication & Division (add and subtract integers, common factors, common multiples, rules of divisibility, primes to 100, square and cube numbers, multiply up to a 4 digit number by a 2 digit number, solve problems with multiplication, short division, division using factors, introduction to long division, long division with remainders, solve problems with division, order of operations, mental calculations and estimation, reason from known facts.)					Fractions A (equivalent fractions and simplifying, equivalent fractions on a number line, compare and order – denominator/numerator, add and subtract simple fractions, add and subtract any 2 fractions, add mixed numbers, subtract mixed numbers.)		Fractions B (multiply fractions by integers, multiply fractions by fractions, divide a fraction by an integer, divide any fraction by an integer, mixed questions with fractions, fraction of an amount, fraction of an amount – find a whole.)		Converting Units (metric measures, convert metric measures, calculate with metric measures, miles and km, imperial
Spring	Ratio (add or multiply?, use ratio language, introduction to the ratio symbol, ratio fractions, scale drawings, use scale factors, similar shapes, ratio problems, proportion problems, recipes)		Algebra (1-step/2-step function machines, form expressions, substitution, formulae, form equations, solve 1-step/2-step equations, find pairs of values, solve problems with 2 unknowns.)		Decimals (Place value within 1/integers and decimals, round decimals, add and subtract decimals, multiply and divide by 10, 100 and 1,000, multiply decimals by integers, divide decimals by integers, multiply and divide decimals in context.)		Fractions, Decimals and Percentages (Decimal and fraction equivalent, fractions as division, understand percentages, fractions of percentages, equivalent and order fractions, decimals and percentages, percentage of an amount, percentages – missing value.)		Area, Perimeter and Volume (Shapes- same area, area and perimeter, area of a triangle, area of a parallelogram, volume – counting cubes, volume of a cuboid.)		Statistics (line graphs, duel bar charts, read and interpret pie charts, pie charts with percentages, draw pie charts, the mean.)	
Summer	Shape			Position & Direction								