



Year Reception

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<p>Cardinality Counting: saying number words in sequence</p> <p>Counting: tagging each object with one number word</p> <p>Counting: Knowing the last number gives the total</p> <p>Measures Recognising attributes</p> <p>Comparing amounts of continuous quantities</p> <p>Showing awareness of comparison in estimating and predicting</p> <p>Comparing indirectly</p>	<p>Cardinality Subitising: recognising small quantities without the need to count them all</p> <p>Numeral meanings</p> <p>Conservation: knowing that the number of objects does not change if things are rearranged (as long as none have been added or taken away)</p> <p>Shape and Space Developing spatial awareness: experiencing different view points</p> <p>Developing spatial vocabulary</p> <p>Shape awareness: developing shape awareness through construction</p> <p>Representing spatial relationships</p>	<p>Comparison more than / less than</p> <p>Identifying groups with the same number of things</p> <p>Comparing numbers and reasoning</p> <p>Pattern Continuing an AB pattern</p> <p>Copying an AB pattern</p> <p>Make their own AB pattern</p> <p>Spotting an error in an AB pattern</p>	<p>Comparison knowing the 'one more/ one less' relationship between numbers</p> <p>Composition Part-whole: identifying smaller numbers within a number (conceptual subitising – seeing groups and combining to form a total) (0-5)</p> <p>Shape and Space Identifying similarities between shapes</p> <p>Showing an awareness of properties of shapes</p>	<p>Measure Recognising the relationship between the size and number of units</p> <p>Beginning to use units to compare things</p> <p>Composition Part-whole: identifying smaller numbers within a number (conceptual subitising – seeing groups and combining to form a total) (6-10)</p> <p>Inverse operations</p> <p>Pattern Identifying the unit of repeat</p> <p>Continuing an ABC pattern</p> <p>Continuing a patter that ends mid-point</p> <p>Make their own ABB/ ABC/ ABBC etc pattern</p>	<p>Measures Beginning to use time to sequence events</p> <p>Beginning to experience specific time durations</p> <p>Shape and Space Describing properties of shape</p> <p>Developing an awareness of relationships between shapes</p>

Year 1

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<p>Number, Addition and Subtraction:</p> <p>Working with numbers within 10:</p> <ul style="list-style-type: none"> • count to 10, forwards and backwards, beginning with 0, 1 or any given number • Find 1 more or less • Count read and write numbers • Identify and represent numbers using objects and pictorial representations including the number line • Use language of equal to, more than, less than, most, least (fewer) • Partitioning of numbers 0-5 and then 6-10 (1.1, 1.2, 1.3, 1.4) 	<p>Number, Addition and Subtraction:</p> <p>Addition and subtraction within 10 including:</p> <ul style="list-style-type: none"> • Aggregation and partitioning • Augmentation and reduction (1.5, 1.6, 1.7) <p>Geometry: Recognise and name 2D shapes including rectangles (including squares as a special rectangle), circles, triangles</p>	<p>Number, Addition and Subtraction:</p> <p>Working with numbers within 100 including:</p> <ul style="list-style-type: none"> • Composition of multiples of 10 to 100 (1.8) • Composition of numbers 20-100 (1.9) • Composition of numbers 11-19 (1.10) 	<p>Multiplication and division</p> <p>Counting in 2s, 5s, 10s including unitising and coins (2.1)</p> <p>Measurement</p> <ul style="list-style-type: none"> • Recognise and know the value of different coins and notes <p>Geometry: 3D shapes (cuboids, including cubes, pyramids, and spheres)</p>	<p>Fractions:</p> <p>Know the names of fractions ‘one-half’, and ‘one quarter’ in relation to a fraction of length, shapes or set of objects</p> <p>Find half of numbers (0-20) (3.1, 3.2)</p> <p>Geometry Describe position, direction, and movement, including whole, half, quarter and 3-quarter turns</p> <p>Measures Measure and begin to record the following:</p> <ul style="list-style-type: none"> • Length and height • mass/weight 	<p>Measures</p> <p>Measure and begin to record the following:</p> <ul style="list-style-type: none"> • capacity and volume, time (hours, minutes, seconds) • Sequence events in chronological order using language (before, after, first etc.) • Recognise and use language relating to dates (days, weeks, months, years) • Tell the time to the hour and half hour <p>Compare, describe and solve practical problems for:</p> <ul style="list-style-type: none"> • length and height • mass/ weight • capacity and volume • time

Year 2

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<p>Number, Addition and Subtraction:</p> <p>Revise: Composition of numbers 20-100 (1.9)</p> <p>Addition and subtraction mentally: Bridging 10 (1.11)</p> <p>Subtraction as difference (1.12)</p> <p>Addition and subtraction: 2-digit and 1-digit numbers (mentally) (1.13)</p>	<p>Number, Addition and Subtraction:</p> <p>Addition and subtraction: 2-digit and multiples of 10 (1.14)</p> <p>Multiplication and Division: Structures of multiplication meaning equal groups (2.2)</p> <p>2 x tables and commutativity (2.3)</p> <p>10 and 5 x tables (2.4)</p>	<p>Multiplication and Division</p> <p>Commutativity of multiplication and division, including relationship between doubling and halving (2.5)</p> <p>Division structures of quotitive (grouping) and partitive (sharing) (2.6)</p> <p>Addition and Subtraction: Addition of two 2-digit numbers (formal method) (1.15)</p> <p>Subtraction of two 2-digit numbers (1.16)</p> <p>Measures Money: Recognise and use symbols for pounds and pence, combine amounts to make a particular value</p> <p>Find different combinations of coins to make the same amount</p> <p>Solve simple problems in a practical context,</p>	<p>Geometry</p> <p>Identify and describe the properties of 2D shapes, including number of sides and line symmetry in vertical line</p> <p>Identify and describe 3D shapes, including edges, vertices, and faces</p> <p>Identify 2D shapes on 3D shapes</p> <p>Compare and sort 2D and 3D shapes</p> <p>Order and arrange combinations of mathematical objects in patterns and sequences</p> <p>Number, Addition and Subtraction: Counting in 3s</p> <p>Fractions</p> <p>Name and describe the fractions one-half and one-quarter (revisit) and one-third in relation to length, shapes and space</p>	<p>Measurement:</p> <p>Compare and sequence intervals of time</p> <p>Tell the time to hour, half hour, 15 minutes, 5 minutes, including using language quarter past and quarter to, including drawing hands on a clock face</p> <p>Know the number of minutes in an hour, hours in a day, days in a week, including names days in order</p> <p>Choose and use appropriate standard units to estimate and measure length/ height (cm, m), mass (kg, gm), capacity (ml, L), to the nearest appropriate unit, using rulers, scales, containers, measuring vessels</p> <p>Compare and order different measurements using <, >, =</p>	<p>Measures</p> <p>Choose and use appropriate units of measurement (temperature), including use of thermometers</p> <p>Geometry Use mathematical vocabulary to describe position, direction, and movement, including understanding relationship between a straight line and right angles and quarter, half, and 3-quarter turns (both clockwise and anti-clockwise)</p> <p>Statistics Interpret and construct simple pictograms, tally charts, block diagrams and simple tables</p> <p>Ask and answer simple questions involving the above</p> <p>Ask and answer questions involving the above</p>

		including addition, subtraction of money and giving change.	<p>Read and write the fraction notation for $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{3}$, (3.1, 3.2)</p> <p>Find $\frac{1}{3}$ and $\frac{1}{4}$ of a number</p> <p>Find $\frac{2}{4}$ and $\frac{3}{4}$ of an object, shapes, set of objects, length or quantity</p> <p>Recognise equivalence of $\frac{2}{4}$ and $\frac{1}{2}$</p>		
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Year 3

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<p>Number, Addition and Subtraction:</p> <p>Composition of numbers 100 and bridging 100 (1.17)</p> <p>Composition and calculation of 3-digit numbers (1.18)</p> <p>Securing mental strategies calculation up to 999 including:</p> <ul style="list-style-type: none"> • 3-digit and 1-digit • 3-digit and 2-digit • 3digit and 3-digit (1.19) <p>Geometry</p>	<p>Multiplication and Division</p> <p>2, 4 and 8x tables and the relationship between them (2.7)</p> <p>Number, Addition and Subtraction:</p> <p>Formal addition (1.20)</p> <p>Estimating to check answers</p> <p>Geometry</p> <p>Recognise angles as a property of shape or a description of a turn</p> <p>Identify right angles, recognising that 2 right</p>	<p>Multiplication and Division</p> <p>3, 6 and 9 times tables and the relationship between them (2.8)</p> <p>Addition and Subtraction:</p> <p>Formal subtraction (1.21)</p> <p>Estimating to check answers</p> <p>Use of inverse operations to check</p> <p>Multiplication and Division</p>	<p>Multiplication and Division</p> <p>Division with remainders (2.12)</p> <p>Fractions</p> <p>Identify unit fractions, including representing and comparing them (3.2)</p> <p>Geometry</p> <p>Identify sets of lines including parallel and perpendicular, horizontal and vertical</p> <p>Fractions</p>	<p>Fractions:</p> <p>Count up and down in tenths, understanding that tenths arise from dividing something by 10, including dividing 1 digit numbers by 10 (1.23)</p> <p>Measurement:</p> <p>Measure, compare, add and subtract money, including giving change in practical contexts (£ and p) (1.25)</p> <p>Measure, compare, add and subtract different units of measurement</p>	<p>Addition and Subtraction:</p> <p>Adding and subtracting tenths (1.23)</p> <p>Measures</p> <p>Time: Tell the time from an analogue clock, including those with Roman numerals from I to XII and 12 and 24hour time</p> <p>Estimate and read time with increasing accuracy in terms of seconds, minutes, hours and use vocabulary such as am, pm, etc.</p>

Draw 2D shapes and make 3D shapes using modelling materials, recognise 3D shapes in different orientations and describe their properties	angles make a half turn, and 4 right angles make a full turn, identify whether angles are greater or smaller than a right angle Fractions Revise fractions by understanding the part-whole relationship (3.1)	Connecting multiplication and division, and the distributive law multiplication of 2d x 1d (2.10) Integer scaling and correspondence problems	Identify non-unit fractions, including representing and comparing them (3.3) Adding and subtracting fractions within a whole (3.4)	(length, mass, volume/capacity) including perimeter of 2D shapes	Know different durations of time and compare these Statistics Interpret and present data using bar charts, pictograms and tables Solve one-step and two-step questions relating to the above
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Year 4

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<p>Number, Addition and Subtraction:</p> <p>Composition of numbers 1000 and four digit numbers (1.22)</p> <p>Negative numbers, counting, comparing and calculating (1.27)</p> <p>Multiplication and Division (Revise)</p> <p>Multiplication 7x tables (2.9)</p> <p>Connecting multiplication and division, and the distributive law multiplication of 2d x 1d (2.10)</p>	<p>Multiplication and Division</p> <p>Division with remainders (2.12)</p> <p>Multiplying and dividing by 10 and 100 (2.13)</p> <p>Number, Addition and Subtraction:</p> <p>Composition and calculation: hundredths (1.24)</p>	<p>Number, Addition and Subtraction:</p> <p>Addition and subtraction, money (1.25)</p> <p>Multiplication and Division</p> <p>Multiplication: partitioning leading to short multiplication (2.14)</p> <p>Geometry</p> <p>Compare and classify geometric shapes including quadrilaterals and triangles based on their properties</p> <p>Identify lines of symmetry in 2D shapes presented in</p>	<p>Multiplication and Division</p> <p>Multiplication in context, area and perimeter (2.16)</p> <p>Division, partitioning leading to short division (2.15)</p> <p>Fraction:</p> <p>Working across a whole, improper fractions and mixed numbers (3.5)</p>	<p>Multiplication and Division</p> <p>Comparison and scaling structures (2.17)</p> <p>Fraction:</p> <p>Find equivalent fractions and simplifying (3.7)</p> <p>Measures:</p> <p>Convert between different units of measurement</p> <p>Estimate, compare and calculate different measures, including money</p>	<p>Measures</p> <p>Measure and calculate perimeter of rectilinear figures in cm and m (revision of 2.16)</p> <p>Geometry</p> <p>Identify acute and obtuse angles and compare and order these up to two right angles</p> <p>Describe position on a 2D grid as coordinates in the first quadrant</p> <p>Describe movements between positions as transitions of a given unit (vertical and horizontal)</p>

<p>Times tables 11 and 12 (2.11)</p>		<p>different orientations, complete simple symmetrical figures with respect to lines of symmetry</p> <p>Number, Addition and Subtraction: Roman Numerals taught through topic</p>			<p>and plot specific points to complete a given polygon</p> <p>Statistics Interpret and present discrete and continuous data using bar, line and time graphs</p> <p>Solve problems using information represented in the above</p>
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