

# Maulden Lower School Maths Curriculum Map

## Knowledge, skills and understanding - progression across the school



### 1. Key Skills

	Key Skills EYFS ELG	Key Skills Year 1	Key Skills Year 2	Key Skills Year 3	Key Skills Year 4	Key Skills Year 5 Alameda Middle
Number and Place Value	<p>Number ELG Children at the expected level of development will: 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.</p> <p>Numerical Patterns ELG Children at the expected level of development will: - 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.</p>	<p>Pupils should be taught to:</p> <p>count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number</p> <p>count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens</p> <p>given a number, identify one more and one less</p> <p>identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least</p> <p>read and write numbers from 1 to 20 in numerals and words.</p>	<p>Pupils should be taught to:</p> <p>count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward</p> <p>recognise the place value of each digit in a two-digit number (tens, ones)</p> <p>identify, represent and estimate numbers using different representations, including the number line</p> <p>compare and order numbers from 0 up to 100; use &lt;, &gt; and = signs</p> <p>read and write numbers to at least 100 in numerals and in words</p> <p>use place value and number facts to solve problems.</p>	<p>Pupils should be taught to:</p> <p>count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number</p> <p>recognise the place value of each digit in a three-digit number (hundreds, tens, ones)</p> <p>compare and order numbers up to 1000</p> <p>identify, represent and estimate numbers using different representations</p> <p>read and write numbers up to 1000 in numerals and in words</p> <p>solve number problems and practical problems involving these ideas.</p>	<p>Pupils should be taught to:</p> <p>count in multiples of 6, 7, 9, 25 and 1000</p> <p>find 1000 more or less than a given number</p> <p>count backwards through zero to include negative numbers</p> <p>recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)</p> <p>order and compare numbers beyond 1000</p> <p>identify, represent and estimate numbers using different representations</p> <p>round any number to the nearest 10, 100 or 1000</p> <p>solve number and practical problems that involve all of the above and with increasingly large positive numbers</p> <p>read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value.</p>	<p>Pupils should be taught to:</p> <p>read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit</p> <p>count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000</p> <p>interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero</p> <p>round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000</p> <p>solve number problems and practical problems that involve all of the above</p> <p>read Roman numerals to 1000 (M) and recognise years written in Roman numerals.</p>

	Key Skills EYFS ELG	Key Skills Year 1	Key Skills Year 2	Key Skills Year 3	Key Skills Year 4	Key Skills Year 5 Alameda Middle
Number – Addition and Subtraction	<p>Number ELG Children at the expected level of development will: 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.</p>	<p>Pupils should be taught to:</p> <p>read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs</p> <p>represent and use number bonds and related subtraction facts within 20</p> <p>add and subtract one-digit and two-digit numbers to 20, including zero</p> <p>solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as <math>7 = \square - 9</math>.</p>	<p>Pupils should be taught to:</p> <p>solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures</p> <p>applying their increasing knowledge of mental and written methods</p> <p>recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100</p> <p>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 one-digit numbers</p> <p>show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot</p> <p>recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.</p>	<p>Pupils should be taught to:</p> <p>add and subtract numbers mentally, including:</p> <p>a three-digit number and ones</p> <p>a three-digit number and tens</p> <p>a three-digit number and hundreds</p> <p>add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction</p> <p>estimate the answer to a calculation and use inverse operations to check answers</p> <p>solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.</p>	<p>Pupils should be taught to:</p> <p>add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate</p> <p>estimate and use inverse operations to check answers to a calculation</p> <p>solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.</p>	<p>Pupils should be taught to:</p> <p>add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)</p> <p>add and subtract numbers mentally with increasingly large numbers</p> <p>use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy</p> <p>solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.</p>

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Number – Multiplication and Division		<p>Pupils should be taught to:</p> <p>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.</p>	<p>Pupils should be taught to:</p> <p>recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers</p> <p>☒ calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (<math>\times</math>), division (<math>\div</math>) and equals (=) signs</p> <p>☒ show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot</p> <p>☒ solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.</p>	<p>Pupils should be taught to:</p> <p>recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables</p> <p>☒ write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods</p> <p>☒ solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which <math>n</math> objects are connected to <math>m</math> objects.</p>	<p>Pupils should be taught to:</p> <p>recall multiplication and division facts for multiplication tables up to <math>12 \times 12</math></p> <p>☒ use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers</p> <p>☒ recognise and use factor pairs and commutativity in mental calculations</p> <p>☒ multiply two-digit and three-digit numbers by a one-digit number using formal written Layout</p> <p>☒ solve problems involving multiplying and adding, including using the distributive law to multiply two-digit numbers by one digit, integer scaling problems and harder correspondence problems such as <math>n</math> objects are connected to <math>m</math> objects.</p>	<p>Pupils should be taught to:</p> <p>identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers</p> <p>know and use the vocabulary of prime numbers, prime factors and composite (non prime) numbers</p> <p>establish whether a number up to 100 is prime and recall prime numbers up to 19</p> <p>multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers</p> <p>multiply and divide numbers mentally drawing upon known facts</p> <p>divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context</p> <p>multiply and divide whole numbers and those involving decimals by 10, 100 and 1000 Mathematics – key stages 1 and 2 33 Statutory requirements</p> <p>recognise and use square numbers and cube numbers, and the notation for squared ( <math>2</math> ) and cubed ( <math>3</math> )</p> <p>solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes</p> <p>solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign</p> <p>solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates.</p>

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Number – Fractions		<p>Pupils should be taught to:</p> <p>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.</p>	<p>Pupils should be taught to:</p> <p>recognise, find, name and write fractions <math>\frac{1}{3}</math>, <math>\frac{1}{4}</math>, <math>\frac{2}{4}</math>, <math>\frac{3}{4}</math> of a length, shape, set of objects or quantity</p> <p>write simple fractions for example, <math>\frac{1}{2}</math> of 6 = 3 and recognise the equivalence of <math>\frac{2}{4}</math> and <math>\frac{1}{2}</math></p>	<p>Pupils should be taught to:</p> <p>count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10</p> <p>recognise, find and write fractions of a discrete set of objects: unit fractions and non unit fractions with small denominators</p> <p>recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators</p> <p>recognise and show, using diagrams, equivalent fractions with small denominators</p> <p>add and subtract fractions with the same denominator within one whole [for example, <math>\frac{5}{7} + \frac{1}{7} = \frac{6}{7}</math> ]</p> <p>compare and order unit fractions, and fractions with the same denominators</p> <p>solve problems that involve all of the above.</p>	<p>Pupils should be taught to:</p> <p>recognise and show, using diagrams, families of common equivalent fractions</p> <p>count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.</p> <p>solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number</p> <p>add and subtract fractions with the same denominator</p> <p>recognise and write decimal equivalents of any number of tenths or hundredths</p> <p>recognise and write decimal equivalents to <math>\frac{1}{4}</math>, <math>\frac{1}{2}</math>, <math>\frac{3}{4}</math></p> <p>find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths</p> <p>round decimals with one decimal place to the nearest whole number</p> <p>♣ compare numbers with the same number of decimal places up to two decimal places</p> <p>solve simple measure and money problems involving fractions and decimals to two decimal places.</p>	<p>Pupils should be taught to:</p> <p>compare and order fractions whose denominators are all multiples of the same number</p> <p>identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths</p> <p>recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements <math>&gt; 1</math> as a mixed number [for example, <math>\frac{2}{5} + \frac{4}{5} = \frac{6}{5} = 1 \frac{1}{5}</math> ]</p> <p>add and subtract fractions with the same denominator and denominators that are multiples of the same number</p> <p>multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams</p> <p>read and write decimal numbers as fractions [for example, <math>0.71 = \frac{71}{100}</math> ]</p> <p>recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents</p> <p>round decimals with two decimal places to the nearest whole number and to one decimal place</p> <p>read, write, order and compare numbers with up to three decimal places</p> <p>solve problems involving number up to three decimal places</p> <p>recognise the per cent symbol (%) and understand that per cent relates to ‘number of parts per hundred’, and write percentages as a fraction with denominator 100, and as a decimal</p> <p>solve problems which require knowing percentage and decimal equivalents of <math>2 \frac{1}{2}</math>, <math>4 \frac{1}{2}</math>, <math>5 \frac{1}{2}</math>, <math>5 \frac{2}{5}</math>, <math>5 \frac{4}{5}</math> and those fractions with a denominator of a multiple of 10 or 25.</p>

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Measurement		<p>Pupils should be taught to:</p> <p>compare, describe and solve practical problems for: lengths and heights [for example, long/short, longer/shorter, tall/short, double/half]</p> <p>mass/weight [for example, heavy/light, heavier than, lighter than]</p> <p>capacity and volume [for example, full/empty, more than, less than, half, half full, quarter]</p> <p>time [for example, quicker, slower, earlier, later]</p> <p>measure and begin to record the following:</p> <p>lengths and heights mass/weight capacity and volume time (hours, minutes, seconds)</p> <p>recognise and know the value of different denominations of coins and notes sequence events in chronological order using language [for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening]</p>	<p>Pupils should be taught to:</p> <p>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 and measuring vessels</p> <p>compare and order lengths, mass, volume/capacity and record the results using &gt;, &lt; and =</p> <p>recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value</p> <p>find different combinations of coins that equal the same amounts of money</p> <p>solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change</p> <p>compare and sequence intervals of time</p>	<p>Pupils should be taught to:</p> <p>measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)</p> <p>measure the perimeter of simple 2-D shapes</p> <p>add and subtract amounts of money to give change, using both £ and p in practical contexts</p> <p>tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks</p> <p>estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight</p> <p>know the number of seconds in a minute and the number of days in each month, year and leap year</p> <p>compare durations of events (for example to calculate the time taken by particular events or tasks)</p>	<p>Pupils should be taught to:</p> <p>Convert between different units of measure [for example, kilometre to metre; hour to minute]</p> <p>measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres</p> <p>find the area of rectilinear shapes by counting squares</p> <p>estimate, compare and calculate different measures, including money in pounds and Pence</p> <p>read, write and convert time between analogue and digital 12- and 24-hour clocks</p> <p>solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.</p>	<p>Pupils should be taught to:</p> <p>convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre)</p> <p>understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints</p> <p>measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres</p> <p>calculate and compare the area of rectangles (including squares), and including using standard units, square centimetres (cm<sup>2</sup>) and square metres (m<sup>2</sup>) and estimate the area of irregular shapes</p> <p>estimate volume [for example, using 1 cm<sup>3</sup> blocks to build cuboids (including cubes)] and capacity [for example, using water]</p> <p>solve problems involving converting between units of time</p> <p>use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling.</p>

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		<p>recognise and use language relating to dates, including days of the week, weeks, months and years</p> <p>tell the time to the hour and half past the hour and draw the hands on a clock face to show these times.</p>	<p>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</p> <p>know the number of minutes in an hour and the number of hours in a day.</p>			
Geometry-Properties of Shape		<p>Pupils should be taught to:</p> <p>recognise and name common 2-D and 3-D shapes, including:</p> <p>2-D shapes [for example, rectangles (including squares), circles and triangles]</p> <p>3-D shapes [for example, cuboids (including cubes), pyramids and spheres].</p>	<p>Pupils should be taught to:</p> <p>identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line</p> <p>identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces</p> <p>identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid]</p> <p>compare and sort common 2-D and 3-D shapes and everyday objects.</p>	<p>Pupils should be taught to:</p> <p>draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them</p> <p>recognise angles as a property of shape or a description of a turn</p> <p>identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle</p> <p>identify horizontal and vertical lines and pairs of perpendicular and parallel lines.</p>	<p>Pupils should be taught to:</p> <p>compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes</p> <p>identify acute and obtuse angles and compare and order angles up to two right angles by size</p> <p>identify lines of symmetry in 2-D shapes presented in different orientations</p> <p>complete a simple symmetric figure with respect to a specific line of symmetry.</p>	<p>Pupils should be taught to:</p> <p>identify 3-D shapes, including cubes and other cuboids, from 2-D representations</p> <p>know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles</p> <p>draw given angles, and measure them in degrees (o )</p> <p>identify:∞ angles at a point and one whole turn (total 360o)</p> <p>angles at a point on a straight line and 2 1 a turn (total 180o )</p> <p>other multiples of 90o</p> <p>use the properties of rectangles to deduce related facts and find missing lengths and Angles</p> <p>distinguish between regular and irregular polygons based on reasoning about equal sides and angles.</p>

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Geometry –Position and Direction		<p>Pupils should be taught to:</p> <p>Describe position, direction and movement, including whole, half, quarter and three quarter turns.</p>	<p>Pupils should be taught to:</p> <p>order and arrange combinations of mathematical objects in patterns and sequences</p> <p>use 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 (clockwise and anti clockwise).</p>		<p>Pupils should be taught to:</p> <p>describe positions on a 2-D grid as coordinates in the first quadrant</p> <p>describe movements between positions as translations of a given unit to the left/right and up/down</p> <p>plot specified points and draw sides to complete a given polygon.</p>	<p>Pupils should be taught to:</p> <p>identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed.</p>
Statistics			<p>Pupils should be taught to:</p> <p>interpret and construct simple pictograms, tally charts, block diagrams and simple tables</p> <p>ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity</p> <p>ask and answer questions about totalling and comparing categorical data.</p>	<p>Pupils should be taught to:</p> <p>interpret and present data using bar charts, pictograms and tables</p> <p>solve one-step and two-step questions [for example, ‘How many more?’ and ‘How many fewer?’] using information presented in scaled bar charts and pictograms and tables.</p>	<p>Pupils should be taught to:</p> <p>interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.</p> <p>solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.</p>	<p>Pupils should be taught to:</p> <p>solve comparison, sum and difference problems using information presented in a line graph</p> <p>complete, read and interpret information in tables, including timetables.</p>

## 2. Yearly Overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Pre-School	<p><b>Comparison 1</b> More than, fewer than, same</p> <p><b>Shape Space and Measure 1</b> Explore and build with shapes and objects</p> <p><b>Pattern 1</b> Explore repeats</p> <p><b>Counting 1</b> Hear and say number names</p>	<p><b>Counting 2</b> Begin to order number names</p> <p><b>Subitising 1</b> I see 1, 2, 3</p> <p><b>Pattern 2</b> Join in with repeats</p> <p><b>Shape Space and Measure 2</b> Explore position and space</p>	<p><b>Subitising 2</b> Show me 1,2,3</p> <p><b>Counting 3</b> Move and label 1,2,3</p> <p><b>Shape, Space and Measure 3</b> Explore position and routes</p> <p><b>Pattern 3</b> Explore patterns</p>	<p><b>Counting 4</b> Take and give 1,2,3</p> <p><b>Shape, Space and Measure 4</b> Match, talk, push and pull</p> <p><b>Subitising 3</b> Talk about dots</p> <p><b>Composition 2</b> Compare and sort collections</p>	<p><b>Pattern 4</b> Lead on own repeats</p> <p><b>Shape, Space and Measure 5</b> Start to puzzle</p> <p><b>Pattern 5</b> Making patterns together</p> <p><b>Subitising 4</b> Make games and actions</p>	<p><b>Counting 5</b> Show me 5</p> <p><b>Pattern 6</b> My own pattern</p> <p><b>Counting 6</b> Stop at 1,2,3,4,5</p> <p><b>Comparison 3</b> Match, sort, compare</p>
Reception	<p>Baseline Assessments</p> <p><b>Phase: Getting to know you:</b> settling in, introducing areas of the provision. Key times of the day, class routines, positional language.</p> <p><b>Match, Sort Compare</b> Match objects Match pictures and objects Identify a set Sort objects to a type Explore sorting techniques Create sorting rules Compare amounts</p> <p><b>Talk About Measure and Patterns</b> Comparing size, mass and capacity. Exploring pattern. Copy and continue pattern. Create Simple patterns.</p>	<p><b>Phase: It's Me 1,2,3</b> Representing, counting, composition of 1,2 and 3</p> <p>Subitise 1 more, 1 less</p> <p><b>Circles and Triangles</b> Identify, name and compare circles and triangles Shapes in the environment Describe position</p> <p><b>1,2,3,4,5</b> Find, subitise, represent 4 and 5 1 more, 1 less, Composition of 4 and 5 Composition of 1-5</p> <p><b>Shapes with 4 sides</b> Identify, name and combine shapes with 4 sides. Shapes in the Environment. My day and night</p>	<p><b>Alive in 5</b> Introduce zero Find 0-5 Represent and Subitise 0-5 1 more, 1 less Composition Conceptual subitising to 5</p> <p><b>Mass and Capacity</b> Compare mass Find a balance Explore capacity Compare capacity</p> <p><b>Growing 6,7,8</b> Find and represent 6,7,8 1 more, 1 less Composition of 6,7,8 Make pairs odd and even Find a double to 8 Make a double to 8 Find 2 groups Conceptual subitising</p> <p><b>Length, Height and Time</b> Explore and compare length Explore and compare height</p>	<p><b>Length, Height and Time</b> Talk about time Order and sequence time</p> <p><b>Building 9 and 10</b> Find, compare and represent 9 and 10 1 more, 1 less Composition to 10 Bonds to 10 Make arrangements of 10 Find a double to 10 Make a double to 10 Explore even and odd</p> <p><b>Explore 3-D Shapes</b> Recognise and name 3D shapes Find 2D shapes within 3D shapes Using 3D shapes Complex Patterns</p>	<p><b>To 20 and Beyond</b> Building numbers beyond 10 Continue patterns beyond 10 Verbal counting beyond 20 Verbal counting patterns</p> <p><b>How Many Now?</b> Add more Take away</p> <p><b>Manipulate, Compose and Decompose</b> Select shapes for a purpose Rotate, manipulate, compose and decompose shapes Explain shape arrangements Copy 2-D shape pictures Find 2D shapes within 3D shapes</p>	<p><b>Sharing and Grouping</b> Exploring sharing and grouping Even and odd sharing Play with and build doubles</p> <p><b>Visualise, Group and Map</b> Identify units of repeating patterns Create and explore own patterns Replicate and build scenes and constructions Visualise from different positions Describe positions Give instructions to build Exploring mapping</p> <p><b>Make Connections</b> Deepen Understanding Patterns and relationships</p> <p><b>Consolidation</b></p>



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1	Number: Place Value (within 10) Number: Addition and subtraction (within 10)	Number: Addition and subtraction (within 10) Geometry: Shape	Number Place Value (within 20) Number: Addition and subtraction (within 20)	Number: Place Value (within 50) (Multiples of 2,5,10 to be included) Measurement: Length and Height Weight and Volume	Number: Multiplication and Division (reinforce multiples of 2,5 and 10 to be included) Number: Fractions Geometry: Position and Direction	Number: Place Value (within 100) Measurement: Money Time
Year 2	Number: Place Value Number Addition and Subtraction	Number Addition and Subtraction  Geometry: Properties of shape	Measurement: Money  Number: Multiplication and Division	Measurement: Length and height Measurement: Mass, Capacity and Temperature	Number: Fractions Measurement: Time	Statistics Geometry: Position and Direction
Year 3	Number: Place Value Number: Addition and Subtraction	Number: Addition and Subtraction Number: Multiplication and division	Number: Multiplication and division Measurement: Length and Perimeter	Measurement: Mass and Capacity Number: Fractions	Number: Fractions Measurement: Money, Time	Geometry: Properties of shapes Statistics
Year 4	Number: Place Value Number: Addition and Subtraction	Measurement: Area Number: Multiplication and division	Number: Multiplication and division Measurement: Length and Perimeter Fractions	Fractions Decimals	Decimals Measurement: Money Time	Geometry: Properties of shape Statistics Geometry – position and direction
Year 5	Number: Place Value Number: Addition and Subtraction	Number: Multiplication and division Number: Fractions	Number: Multiplication and division Number: Fractions	Number: Decimals and percentages Geometry: Perimeter and area Statistics	Number: Decimals Geometry: Properties of shape	Geometry – position and direction Measurement: Converting units Measurement: Volume

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 6	Number: Place Value Number: Addition, subtraction, multiplication and division	Number: Fractions Number: Decimals Number Fractions, decimals and percentages.	Measurement: Converting units Geometry: Position and direction Statistics	Geometry: Shape Measurement: Perimeter, area and volume Number: Ratio	Consolidation of units and revision. SATs Maths investigations	Algebra Ratio Investigation