

Year 1 Maths Overview

Term	Wk 1	Wk 2	Wk 3	Wk 4	Wk 5	Wk 6	Wk 7	Wk 8	Wk 9	Wk 10	Wk 11	Wk 12	Wk 13	Wk 14	
Autumn	Place Value (Within 10) Count within 100, forwards and backwards starting with any number Count objects to 10 Count forwards and backwards to and from 10 Count one more/less within 10			Place Value (Within 20) Count within 100, forwards and backwards starting with any number Count objects to 20 Read and write numbers to 20 in numerals and words Count forwards and backwards within 20 Recognise teen numbers as tens and ones Count one more/less				Addition & Subtraction (within 10)			Fractions				
	Money (taught every Friday)														
Spring	Fractions		Place Value (Within 50) Count within 100, forwards and backwards starting with any number Count objects up to 50 Count tens and ones within 50 Read and write numerals to 50 Count forwards and backwards within 50 Count one more/less			Addition & Subtraction (Within 20)				Time					
	Geometry: 2-D & 3-D Shape (taught every Friday)														
Summer	Place Value (Within 100) Count within 100, forwards and backwards starting with any number Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number. Count numbers to 100 in numerals Read and write numbers to 100 in numerals Identify and represent numbers using objects and pictorial representations Given a number, identify one more/less				Addition & Subtraction			Multiplication & Division Count in multiples of two, five and ten		Time		Position & Direction			
	Measurement: Using Measures (taught every Friday)														

Year 2 Maths Overview

Term	Wk 1	Wk 2	Wk 3	Wk 4	Wk 5	Wk 6	Wk 7	Wk 8	Wk 9	Wk 10	Wk 11	Wk 12	Wk 13	Wk 14
Autumn	Place Value					Addition & Subtraction						Fractions		
	<ul style="list-style-type: none"> Count to and across 100, forwards & backwards beginning with 0 or 1, or from any given number (Y1 revision) Count numbers to 100 in numerals Read and write numbers to at least 100 in numerals and words Identify, represent and estimate numbers using different representations including the number line. Recognise the place value of each digit in a 2-digit number Use place value and number facts to solve problems. Identify the multiples of ten which come before and after a 2-digit number. 					<ul style="list-style-type: none"> Recall and use addition and subtraction facts to 20 fluently Derive and use related facts up to 100 (e.g.) $8+2$, $18+2$, $80+20$ Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot. Add and subtract numbers including a two-digit number and ones Add three single digit numbers Add to the next 10 Solve problems with addition and subtraction 						<ul style="list-style-type: none"> Recognise, find and write $\frac{1}{2}$ of a shape Recognise find and write $\frac{1}{4}$ of a shape Recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$ Recognise, find and write $\frac{3}{4}$ of a shape 		
Money (taught every Friday)														
Spring	Fractions		Place Value		Multiplication & Division			Addition & Subtraction			Time			
	<ul style="list-style-type: none"> Recognise, find and write $\frac{1}{2}$ of an amount or quantity Recognise, find and write $\frac{1}{4}$ of an amount or quantity Write simple fractions 		<ul style="list-style-type: none"> Count in 2s, 5s & 3s forwards and backwards and 10s from any number including 0 Compare and order numbers from 0 up to 100; use $<$ $=$ signs 		<ul style="list-style-type: none"> Recognise multiplication and repeated addition and subtraction Show that multiplication is commutative and division is not. Recognise odd and even numbers Write multiplication and division statements using \times \div and $=$ symbols Write and calculate mathematical statements for multiplication and division. Solve problems. 			Add and subtract numbers using concrete objects, pictorial representations and mentally including: <ul style="list-style-type: none"> Add and subtract a 2-digit number and tens Add and subtract two 2-digit numbers Solve problems with addition and subtraction. 			<ul style="list-style-type: none"> Tell and draw the time to o'clock and half past (Y1 rev) Tell and write the time to five minutes, including quarter to/past the hour Draw the hands on the clock face to show these times. 			
Geometry: 2-D & 3-D Shape (taught every Friday)														
Summer	Place Value (Numbers beyond 100)		Fractions		Addition & Subtraction		Multiplication & Division		Time		Position & Direction Statistics			
	<ul style="list-style-type: none"> Recognise the place value of each digit in a 3-digit no. 		<ul style="list-style-type: none"> Recognise find, name & write fractions $\frac{1}{4}$, $\frac{1}{3}$, $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity. 		<ul style="list-style-type: none"> Revision of addition & subtraction skills taught so far, Apply increasing knowledge of mental and written methods 		<ul style="list-style-type: none"> Recall and use multiplication and division facts for the 2, 5 and 10 times tables. Solve problems. 		<ul style="list-style-type: none"> Revision Know how many minutes in an hour, how many hours in a day. 		<ul style="list-style-type: none"> Order & arrange combinations of mathematical objects in patterns & sequences. Use mathematical vocabulary to describe position, direction & movement inc. right angles for a $\frac{1}{2}$, $\frac{1}{4}$ & $\frac{3}{4}$ turn, clockwise & anticlockwise. 			
Measurement: Using Measures (taught every Friday)														

Money:

- Recognise and use symbols for pounds (£) and pence (p)
- Combine amounts to make a particular value
- Find different combinations of coins that equal the same amounts of money
- Solve simple problems in a practical context involving addition and subtraction of money of the same unit, inc. giving change.

Geometry: 2-D Shapes

- Identify and describe the properties of 2-D shapes, inc. the number of sides and line symmetry in a vertical line
- Identify 2-D shapes on the faces of a 3-D shape
- Compare and sort common 2-D shapes and everyday objects.

Geometry: 3-D Shapes

- Recognise and name common 3-D shapes,
- Compare and sort common 3-D shapes and everyday objects.

Measurement: Using Measures

- 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, measuring vessels
- Compare and order lengths, mass, volume/capacity and record the results using $<>$ and $=$

Statistics: Taught through topic & explicitly.

- Interpret and construct simple pictograms, tally charts, block diagrams and simple tables
- 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

Maths Overview Class 3

Term	Wk 1	Wk 2	Wk 3	Wk 4	Wk 5	Wk 6	Wk 7	Wk 8	Wk 9	Wk 10	Wk 11	Wk 12	Wk 13	Wk 14	
Autumn	Place Value				Addition & Subtraction				Multiplication & Division						
	<ul style="list-style-type: none"> Count from 0 in multiples of 4, 8, 50 & 100 (Y3) Find 10 or 100 more or less than a given number (Y3) Identify, represent and estimate numbers using different representations (Y3) Read and write numbers up to 1000 in numerals and in words (Y3) Recognise the place value of each digit in a three-digit number (HTO) (Y3) Compare and order numbers up to 1000 (Y3) Solve number problems and practical problems involving these ideas (Y3) 				<ul style="list-style-type: none"> Estimate the answer to a calculation and use inverse operations to check answers (Y3) Add & subtract numbers mentally including: <ul style="list-style-type: none"> a 3-digit number and ones a 3-digit number and tens a 3-digit number and hundreds Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction (Y3) Solve problems including missing number problems, using number facts, place value and more complex addition and subtraction (Y3) 				<ul style="list-style-type: none"> Recall and use multiplication & division facts for the 3, 4 and 8 multiplication tables. Write and calculate mathematical statements for multiplication and division using multiplication tables that they know, including: <ul style="list-style-type: none"> 2-digit numbers times 1-digit numbers using mental and progressing to formal written methods (Y3) Solve problems, including missing number problems, involving multiplication and division including: <ul style="list-style-type: none"> Positive integer scaling problems Correspondence problems in which 'n' objects are connected to 'm' objects (Y3) 						
Times Table Fluency (taught every Wednesday)															
Spring	Length, Perimeter, Area		Fractions				Fractions/Decimals			Mass & Capacity		Place Value			
	<ul style="list-style-type: none"> Measure, compare, add and subtract lengths (m/cm/mm) (Y3) Measure the perimeter of simple 2D shapes (Y3) Convert between different units of measure (Y4) Estimate, compare and calculate different measures (Y4) Measure and calculate the perimeter of a rectilinear figure in cm & m (Y4) Find the area of rectilinear shapes by counting squares (Y4) 		<ul style="list-style-type: none"> Count up & down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing 1-digit numbers or quantities by 10 (Y3) Recognise, find & write fractions of a discrete set of objects: <ul style="list-style-type: none"> Unit fractions Non-unit fractions with small denominators Recognise & show, using diagrams, equivalent fractions with small denominators (Y3) Compare & order unit fractions, and fractions with the same denominators (Y3) Add & subtract fractions with the same denominator within one whole (Y3) Solve problems that involve all of the above (Y3) Count up and down in hundredths; recognise that hundredths arise when dividing an object by 100 and dividing tenths by 10 (Y4) Recognise and show using diagrams, families of common equivalent fractions (Y4) Add & subtract fractions with the same denominator (Y4) 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 (Y4) 				<ul style="list-style-type: none"> Find the effect of dividing a 1 or 2-digit number by 10 and 100, identifying the value of digits in the answer as ones, tenths and hundredths (Y4) Recognise and write decimal equivalents of any number of tenths or hundredths (Y4) Recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ (Y4) Round decimals with one decimal place to the nearest whole number (Y4) Compare numbers with the same number of decimal places up to two decimal places (Y4) 			<ul style="list-style-type: none"> Measure, compare, add & subtract mass (kg/g); volume/capacity (l/ml) (Y3) Convert between different units of measure (Y4) Estimate, compare and calculate different measures (Y4) 		Revision of objectives that need to be covered again based on ongoing formative assessment. <ul style="list-style-type: none"> 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 (Y4) 			

Summer	<p style="text-align: center;">Time/Position/Direction</p> <ul style="list-style-type: none"> Tell & write the time from an analogue clock, inc. using Roman numerals from I to XII, and 12 hour and 24-hour clocks. (Y3) Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours. Use vocab such as o'clock, a.m./p.m., morning, afternoon, noon & midnight (Y3) Know the number of seconds in a minute and the number of days in each month, year and leap year (Y3) Compare durations of events (e.g.) calculate the time taken by events or tasks (Y3) Read, write and convert time between analogue and digital 12-& 24-hour clocks (Y4) Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days (Y4) 	<p style="text-align: center;">Decimals (inc. Money)</p> <ul style="list-style-type: none"> Add and subtract amounts of money to give change using both £ and p in practical contexts (Y3) Solve simple measure and money problems involving fractions and decimals to two decimal places (Y4) Estimate, compare and calculate different measures, including money in pounds and pence (Y4) 	<p style="text-align: center;">Statistics</p> <ul style="list-style-type: none"> Interpret and present data using bar charts, pictograms and tables (Y3) Solve one-step and two-step questions using information presented in scaled bar charts, pictograms & tables (Y3) Interpret & present discrete & continuous data using appropriate graphical methods, including bar charts & time graphs (Y4) Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables & other graphs (Y4) 	<p style="text-align: center;">Calculations (+ - x ÷)</p> <p style="text-align: center;">Revision of objectives that need to be covered again based on ongoing formative assessment.</p>	<p style="text-align: center;">Properties of shape</p> <ul style="list-style-type: none"> Draw 2-D shapes (Y3) Make 3-D shapes using modelling materials; recognise 3-D shapes (Y3) Recognise angles as a property of shape or a description of a turn (Y3) Identify right angles, recognise that two right angles make a half-turn, three make $\frac{3}{4}$ of a turn and four make a complete turn (Y3) Identify whether angles are greater than or less than a right angle (Y3) Identify horizontal & vertical lines & pairs of perpendicular & parallel lines (Y3) Identify acute & obtuse angles & compare & order angles up to two right angles by size (Y4) Identify lines of symmetry in 2-D shapes presented in different orientations (Y4) Complete simple symmetric figure with respect to a specific line of symmetry (Y4)
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Place Value (covered in topic- the Romans):

- 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

Multiplication & Division: Recall, Represent & Use:

Times Table Fluency (Wednesdays Autumn Term):

- Recall and use multiplication & division facts for the 2, 5 & 10 multiplications (revision)
- Recall and use multiplication & division facts for the 3, 4 & 8 multiplications (revision)
- Recall multiplication and division facts for the multiplication tables up to 12 x 12

Maths Overview Year 5

Term	Wk 1	Wk 2	Wk 3	Wk 4	Wk 5	Wk 6	Wk 7	Wk 8	Wk 9	Wk 10	Wk 11	Wk 12	Wk 13	Wk 14		
Aut	<p style="text-align: center;">Place Value</p> <ul style="list-style-type: none"> Count forwards or backwards in steps of powers of 10 for any given number up to 1000000 (Y5) Count forwards & backwards with + & - whole numbers, including through zero (Y5) (read, write) order & compare numbers to at least 1000000 & determine the value of each digit (Y5) Read Roman numerals to 1000 & recognise years written in Roman numerals (Y5) Interpret negative numbers in context (Y5) Round any number up to 1000000 to the nearest 10, 100, 1000, 10000 & 100000 (Y5) Solve number problems that involve all of the above (Y5) 		<p style="text-align: center;">Four Calculations (+ - x ÷)</p> <ul style="list-style-type: none"> Use rounding to check answers to calculation & determine, in the context of a problem, levels of accuracy (Y5) Add & subtract whole numbers with more than 4-digits, including using formal written methods (columnar addition & subtraction) (Y5) Add & subtract numbers mentally with increasingly large numbers (Y5) Solve addition & subtraction multi-step problems in contexts, deciding which operations & methods to use why (Y5) Solve problems involving addition, subtraction, multiplication & division (a combination of these, including understanding of the meaning of the equals sign) (Y5) Identify multiples & factors, including finding all factor pairs of a number & common factors of two numbers (Y5) Know & use the vocabulary of prime numbers, prime factors & composite (non-prime) numbers (Y5) Establish whether a number up to 100 is prime & recall prime numbers up to 19 (Y5) Recognise & use square numbers & cube numbers & the notation for squared & cubed (Y5) Solve problems involving x & ÷ including using their knowledge of factors & multiples, squares & cubes (Y5) Solve problems involving x & ÷, including scaling by simple fractions & problems involving simple rates (Y5) Solve problems involving +, -, x & ÷ & a combination of these including understanding the meaning of the = sign. (Y5) Multiply numbers up to 4-digits by a one or two-digit number using formal written method, including long multiplication for 2-digit numbers. x & ÷ numbers mentally drawing upon known facts (Y5) Divide numbers up to 4-digit by a one-digit number using the formal written method of short division & interpret remainders appropriately for context (Y5) Multiply & divide whole numbers & those involving decimals by 10, 100 & 1000. (Y5) 					<p style="text-align: center;">Fractions</p> <ul style="list-style-type: none"> Identify, name & write equivalent fractions of a given fraction, represented visually including tenths & hundredths (Y5) Recognise mixed numbers & improper fractions & convert from one form to the other & write mathematical statements (Y5) Compare & order fractions whose denominators are all multiples of the same number (Y5) Add & subtract fractions with the same denominator & denominators that are multiples of the same number (Y5) Multiply proper fractions & mixed numbers by whole numbers, supported by materials & diagrams (Y5) Solve problems which require knowing percentage & decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{2}{5}$, $\frac{4}{5}$ & those fractions with a denominator of a multiple of 10 or 25 (Y5) 					<p style="text-align: center;">Geometry Position & Direction</p> <p>Identify, describe & represent the position of a shape following a reflection or translation, using the appropriate language & know that the shape has not changed (Y5)</p>			
Spr	<p style="text-align: center;">Decimals, Percentages & Algebra</p> <ul style="list-style-type: none"> Solve problems involving number up to three decimal places (Y5) Read & write decimal numbers as fractions (Y5) Recognise & use thousandths & relate them to tenths, hundredths & decimal equivalents (Y5) Round decimals with two decimal places to the nearest whole number & to one decimal place (Y5) Read, write, order & compare numbers with up to three decimal places (Y5) Solve problems involving number up to three decimal places (Y5) 						<p style="text-align: center;">Measurement Converting units</p>		<p style="text-align: center;">Perimeter, area & volume</p> <p>Measure & calculate the perimeter of composite rectilinear shapes in cm & m</p> <p>Calculate & compare the area rectangles (inc. squares) & including standard units, square cm & square m & estimate the area of irregular shapes.</p> <p>Estimate volume and capacity.</p>		<p style="text-align: center;">Ratio (Year 6 objectives taught)</p> <ul style="list-style-type: none"> Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication & division facts (Y6) Solve problems involving the calculation of percentages & the use of percentages for comparison (Y6) Solve problems involving similar shapes where the 		<p style="text-align: center;">Consolidation</p>			

				<ul style="list-style-type: none"> scale factor is known or can be found (Y6) Solve problems involving unequal sharing & grouping using knowledge of fractions & multiples (Y6) 			
Sum	<p>Statistics</p> <p>Complete, read & interpret information in tables, including timetables.</p> <p>Solve comparison sum and difference problems using information in a line graph.</p>	<p>Properties of Shape</p> <p>Distinguish between regular & irregular polygons based on reasoning about equal sides & angles.</p> <p>Use the properties of rectangles to deduce related facts and find missing lengths & angles.</p> <p>Identify 3-D shapes, including cubes & other cuboids, from 2-D representations.</p> <p>Know angles are measured in degrees: estimate & compare acute, obtuse & reflex angles.</p> <p>Draw given angles & measure them in degrees.</p> <p>Identify: angles at a point & one whole turn</p> <p>Angles at a point on a straight line and half a turn</p> <p>Other multiples of 90 degrees</p>	<p style="text-align: center;">Consolidation</p> <p style="text-align: center;">Children experience a range of practical, cross application projects which draw on a range of maths skills and knowledge taught during the year. Examples of areas covered within the projects are:</p> <ul style="list-style-type: none"> • Ratio • Measure • Shape • Multiplication, division, addition & subtraction <ul style="list-style-type: none"> • Perimeter & area 				

Consolidation involves revisiting and teaching areas of maths that teacher assessment indicates children need more time to consolidate their understanding unless stated in the overview grid. This also varies from year to year depending on the children's individual needs.

Maths Overview Year 6

Term	Wk 1	Wk 2	Wk 3	Wk 4	Wk 5	Wk 6	Wk 7	Wk 8	Wk 9	Wk 10	Wk 11	Wk 12	Wk 13	Wk 14		
Autumn	Place Value <ul style="list-style-type: none"> Read, write (order & compare) numbers up to 10000000 & determine the value of each digit (Y6) Round any whole number to a required degree of accuracy (Y6) Use negative numbers in context and calculate intervals across zero Solve number & practical problems that involve all of the above (Y6) 		Addition, Subtraction, Multiplication & Division <ul style="list-style-type: none"> Perform mental calculations, including mixed operations & large numbers (Y6) Use their knowledge of the order of operations to carry out calculations involving the four operations (Y6) Solve addition & subtraction multi-step problems in contexts, deciding which operations & methods to use why (Y6) Identify common factors, common multiples & prime numbers (Y6) Use estimation to check answers to calculations & determine, in the context of a problem, an appropriate degree of accuracy (Y6) Solve problems involving (+ - x ÷) (Y6) Use their knowledge of the order of operations to carry out calculations involving the four operations (Y6) Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication (Y6) Divide numbers up to 4 digits by a two-digits whole number using the formal written method of long division & interpret remainders as whole number remainders, fractions or by rounding as appropriate for the context (Y6) Divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context (Y6) Perform mental calculations, including mixed operations & large number (Y6) 					Fractions <ul style="list-style-type: none"> Use common factors to simplify fractions; use common multiples to express fractions in the same denomination (Y6) Compare & order fractions (Y6) Add & subtract fractions with different denominators & mixed numbers, using the concept of equivalent fractions (Y6) Multiply simple pairs of proper fractions, writing the answer in its simplest form (Y6) Divide proper fractions by whole numbers (Y6) 					Geometry Position & direction <ul style="list-style-type: none"> Describe positions on the full coordinate grid (all 4 quadrants) Draw & translate simple shapes on the coordinate plane and reflect them in the axes (Y6) 			
Spring																

Summer	Statistics	Properties of Shape	Consolidation	
	<p>Interpret & construct pie charts & line graphs & use these to solve problems.</p> <p>Calculate & interpret the mean as an average</p>	<p>Draw 2-D shapes given dimensions & angles.</p> <p>Compare & classify geometric shapes based on their properties & sizes.</p> <p>Illustrate & name parts of circles, including radius, diameter & circumference & know that the diameter is twice the radius.</p> <p>Find unknown angles in any triangles, quadrilaterals & regular polygons.</p> <p>Recognise angles where they meet at a point, are on a straight line or are vertically opposite & find missing angles.</p>	<p>Children experience a range of practical, cross application projects which draw on a range of maths skills and knowledge taught during the year. Examples of areas covered within the projects are:</p> <ul style="list-style-type: none"> • Ratio • Measure • Shape • Multiplication, division, addition & subtraction <ul style="list-style-type: none"> • Perimeter & area 	

Consolidation involves revisiting and teaching areas of maths that teacher assessment indicates children need more time to consolidate their understanding unless stated in the overview grid. This also varies from year to year depending on the children's individual needs.