



## Maths Overview and Progression Grid

EYFS	Vocabulary				
Number	Addition and Subtraction	Multiplication and Division	Measure and Length	Height, Weight and Capacity	Shape
count order compare forward backwards numerals one more one less equal to more than less than (fewer)	add plus altogether total take away minus number bonds part whole	double half equal not equal share odd even	measure wide(er) narrow(er) compare long (er)(est) short (er)(est) length	height long(er)/short(er) tall(er)/short(er) weight capacity heavy/light heavier than lighter than big/bigger/biggest full/empty more than less than half/half full	2-d shapes rectangle square circle triangle 3-d shapes cuboid cube cone sphere curved straight flat

F1	<p>Topics to be covered over the year:</p> <p>(As a school, we always follow a child's line of enquiry within their learning, which can direct the topics too.)</p>
Vocabulary	<p>Number, count, sort, shape, measure, size, big, biggest, small, smallest, long, short, tall, tallest, pattern, how many, fewer, more, less</p>
Through Direct Teaching and Continuous Provision	<p>Exposure to a range of manipulatives to support counting          Recognising numbers to 10          Real - life maths skills through role play          Teaching of mathematical concepts          Opportunity to be use measure in water, mud and sand play          Games and play relating to numbers and counting          Number songs and rhymes          Recognition of common 2D shapes          Creating patterns</p>
By the End of F1 children will be able to:	<p>Recognise numbers to 5          Count using 1-1 correspondence          Order by size          Order numbers 5          Recognise circle, square, rectangle and triangle          Recite numbers to 10          Sing number rhymes          Measure capacity using jugs, use non standard units to measure length/height</p>



**Tell me five things!**

I can recognise all numbers to 5

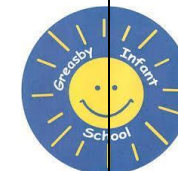
I can count to 10

I can count 1:1 correspondence with a set of 5 objects

I can sing a number song

I can make a shape picture

F2	<p><b>Topics to be covered over the year: Number, Shape, Measure, Capacity</b></p> <p><b>(As a school, we always follow a child's line of enquiry within their learning, which can direct the topics too.)</b></p>
<p><b>Through Direct Teaching and Continuous Provision</b></p>	<p>Exposure to a range of manipulatives to support counting  Modelling and practising writing numbers  Real - life maths skills through role play  Teaching of mathematical concepts  Opportunity to be use measure in water, mud and sand play  Games and play relating to numbers and counting  Number songs and rhymes</p>
<p><b>By the end of Foundation 2 children will be able to:</b></p>	<p>Count to 20  Recognise number to 10  Count 1-1 up to 10 objects  Talk about 1 more and 1 less of any given number up to 10  Recall some number bonds to 10  Subitise up to 5  Use a tens frame  Complete simple addition and subtraction number sentences  Share equally</p> <p><b>Have a deep understanding of numbers 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. 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.</b></p>



Tell me five things!				
I can recognise all numbers to 10	I can count to 20	I can count 1:1 correspondence with a set of 10 objects	I can tell you one more or one less than any number less than 10	I can tell you 2D shapes - circle, triangle, square, rectangle



<b>Year 1</b>	<b>Place value, Numbers and Calculation</b>		
<b>Vocabulary</b>			
<b>Place Value</b>	<b>Addition and Subtraction</b>	<b>Multiplication and Division</b>	<b>Fractions</b>
sort represent multiples partitioning ones tens	addition/add subtraction difference equals facts problems missing number problems 2-digit number inverse	multiplication division arrays	whole half quarter equal parts
<b>Coverage</b>			
<b>Place Value</b>	<b>Addition and Subtraction</b>	<b>Multiplication and Division</b>	<b>Fractions</b>
count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number	add and subtract one-digit and two digit numbers to 20, including zero	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	recognise, find and name a half as one of two equal parts of an object, shape or quantity
Count numbers to 100 in numerals; count in multiples of twos, fives and tens	solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = c - 9$		recognise, find and name a quarter as one of four equal parts of an object, shape or quantity

identify and represent numbers using objects and pictorial representations	solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = c - 9$		
read and write numbers to 100 in numerals			
Read and write numbers from 1 to 20 in numerals and words			
given a number, identify one more and one less			

**Tell me 5 things!**

I can form all my numbers correctly	I can recognise any number up to 100.	I can count in steps of 2, 5 and 10	I know all addition and subtraction facts for pairs to 20	I can recall all double numbers up to $10 + 10$
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<b>Year 1</b>	<b>Measures inc money, Properties of Shape, Position and Direction,</b>		
<b>Vocabulary</b>			
<b>Measure</b>		<b>Properties of Shape</b>	<b>Position and Direction</b>
compare mass volume chronological order month year second half past o'clock	money coins notes pounds pence	sides corners properties faces pyramids	position direction movement whole turn quarter turn half turn three quarter turn
<b>Coverage</b>			
<b>Measure</b>		<b>Properties of Shape</b>	<b>Position and Direction</b>
compare, describe and solve practical problems for: <ul style="list-style-type: none"> <li>lengths and heights</li> <li>mass/weight</li> <li>capacity and volume</li> <li>time</li> </ul>		recognise and name common 2-D shapes [for example, rectangles (including squares), circles and triangles]	describe position, direction and movement, including whole, half, quarter and three-quarter turns
measure and begin to record the following: <ul style="list-style-type: none"> <li>lengths and heights</li> <li>mass/weight</li> <li>capacity and volume</li> <li>time (hours, minutes, seconds)</li> </ul>		recognise and name common 2-D shapes [for example, rectangles (including squares), circles and triangles]	

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 half past the hour and draw the hands on a clock face to show these times		

**Tell me 5 things!**

I can tell the time to o'clock and half past	know the days of the week and months of the year in sequence	I can recognise square, triangles, circles, rectangles, cubes, cuboids, pyramids and spheres	I can recognise all coins	I can compare the length of two objects
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<b>Year 2</b>	<b>Place value, Numbers and Calculation</b>		
<b>Vocabulary</b>			
<b>Place Value</b>	<b>Addition and Subtraction</b>	<b>Multiplication and Division</b>	<b>Fractions</b>
count in steps count in multiples place value estimate compare	sum three-digit number commutative	multiplication tables commutative repeated addition	three quarters third equivalent fractions numerator denominator one whole
<b>Coverage</b>			
<b>Place Value</b>	<b>Addition and Subtraction</b>	<b>Multiplication and Division</b>	<b>Fractions</b>
count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward	add and subtract numbers using concrete objects, pictorial representations, and mentally, including:	recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers	recognise, find, name and write fractions $\frac{1}{3}$ , $\frac{1}{4}$ , $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity
read and write numbers to at least 100 in numerals and in words	<ul style="list-style-type: none"> <li>a two-digit number and ones</li> <li>a two-digit number and tens</li> <li>two two-digit numbers</li> <li>adding three one digit numbers</li> </ul>	show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot	Recognise the equivalence of $\frac{1}{2}$ and $\frac{2}{4}$
identify, represent and estimate numbers using different	solve problems with addition and subtraction:	calculate mathematical statements for multiplication and division within the multiplication tables and write	write simple fractions for example, $\frac{1}{2}$ of $6 = 3$

representations, including the number line	<ul style="list-style-type: none"> <li>using concrete objects and pictorial representations, including those involving numbers, quantities and measures <math>\emptyset</math> applying their increasing knowledge of mental and written methods</li> </ul>	them using the multiplication ( $\times$ ), division ( $\div$ ) and equals (=) signs	
recognise the place value of each digit in a two digit number (tens, ones)		solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts	
compare and order numbers from 0 up to 100; use and = signs	recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems		
use place value and number facts to solve problems			

**Tell me 5 things you know!**

I can order 4 numbers from 0 - 100	I know how to add multiples of ten to a given number (34 + 20)	I know my 2, 5 and 10 times tables	I can add and subtract two two-digit numbers with renaming	I can find a half or quarter of a set of objects
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Year 2		Measures inc money, Properties of Shape, Position and Direction			
Vocabulary					
Measure		Properties of Shape	Position and Direction	Statistics	
standard units estimate order centimetre metre kilogram gram litres millilitres temperature Celsius	intervals of time quarter past quarter to duration value change	pentagon hexagon line of symmetry properties cylinder edges vertices vertex	clockwise/anticlockwise straight line rotation sequence	pictograms tally sorting category totalling comparing	
Coverage					
Measure		Properties of Shape	Position and Direction	Statistics	
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		identify and describe the properties of 2- D shapes, including the number of sides and line symmetry in a vertical line	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 anticlockwise)	interpret and construct simple pictograms, tally charts, block diagrams and simple tables	

compare and order lengths, mass, volume/capacity and record the results using $>$ , $<$ and $=$	identify 2-D shapes on the surface of 3- D shapes, [for example, a circle on a cylinder and a triangle on a pyramid]	order and arrange combinations of mathematical objects in patterns and sequences	ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity
recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value	compare and sort common 2-D shapes and everyday objects		ask and answer questions about totalling and comparing categorical data
find different combinations of coins that equal the same amounts of money	recognise and name common 3-D shapes [for example, cuboids (including cubes), pyramids and spheres]		
solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change	compare and sort common 3-D shapes and everyday objects		
compare and sequence intervals of time			
tell and write the time to the fifteen minutes, including quarter past/to the hour and draw the hands on a clock face to show these times			
know the number of minutes in an hour and the number of hours in a day			

**Tell me 5 things you know!**

Use coins to make any given amount of money

Tell the time using quarter to and quarter past

Tell the time using quarter to and quarter past

Understand full, half and quarter turns and use clockwise and anti-clockwise

Know how to use a tally