

# Progression of core Maths skills at St Mary's Catholic Primary School

		Number	Measure	Time	Money	Data handling	Shape	Problem solving	Vocabulary
	Foundatio n stage								
Year 1	Level 1c	<p>I can count to 10.</p> <p>I know and write all my numbers up to 10</p> <p>I know when I have written a number backwards and can correct it when it is pointed to me</p> <p>I can arrange numbers in order 1-10</p> <p>I can add 1 to any number up to 10 and know what the answer is</p> <p>I can take away 1 to any number up to 10 and know what the answer is</p> <p>I can put two sets of numbers together and count to 10</p> <p>I know 0 is less than 1</p>					I can name a circle, triangle and square.	I can continue a repeating pattern with up to 2 objects in it.	I know the meaning of plus, more than, less than.
	Level 1b	<p>I can count to 20 and back.</p> <p>I can order numbers 0-20</p> <p>I can add 1 to any number up to 10 and record my operation</p> <p>I can take 1 away from any number up to 10 and record my operation</p> <p>I can estimate how many objects there are in a group up to 10</p> <p>I can add 2or 3 sets of numbers together up to 10</p>			I can recognise the coins : 1p, 2p, 5p, 10p, 20p, 50p and £1		I can recognise and name rectangle	I can recognise repeating patterns that have 3 items in them.	I know the meaning of: too many, estimate , before, next to, after and between
Year 2	Level 1a	<p>I can write all numbers to 20 and begin to recognise a pattern as I do so.</p> <p>I can order numbers to at least 30</p> <p>I can partition numbers up to 20 into tens and units</p> <p>I know and use symbols + ( plus) and equals (=)</p> <p>I know the symbol – ( minus)</p> <p>I can work out" how many I need to take away" from a number to leave me with a given number up to 30</p>			I can add two coins together and know how much I have got up to 30p			I can work out a missing number from a simple sequence up to 30 I can tell which of any two numbers is the larger or smaller	I know the meaning of minus and equal to.

								(up to 30)	
	Level 2c	<p>I can read numbers up to 100</p> <p>I try to write all my numbers to 100 but sometimes I get mixed up with tens and units.</p> <p>I recognise odd and even numbers up to 50</p> <p>I can put numbers in order up to 100</p> <p>I can partition numbers into tens and ones using arrow cards or blocks to help me</p> <p>I know by heart all the number bonds that make 10</p> <p>I can use + - = signs when I write down what I have done</p> <p>I can add two numbers together using a number line (by counting on) up to 100</p> <p>I can subtract by counting back on a number line from 100</p>		<p>I can tell the time using whole hours using a clock with hands</p>		<p>I can put/use information that I have collected into a block graph</p> <p>I can record my sorting into simple lists and tables with help</p>	<p>I can recognise a half and find quarter of any shape</p> <p>I can work out where a line of symmetry is in a simple shape</p>	<p>I can spot and carry on a number pattern in ones and twos</p> <p>I know which is the largest or smallest number in any given group</p>	
Year 3	Level 2b	<p>I can read and write all numbers up to 100</p> <p>I can count on and back in 2's, 5's and 10's</p> <p>I know what is meant by odd and even numbers and can recognise them up to 100</p> <p>I can partition a number in to tens and units and add them together. I recognise 0 as a place holder.</p> <p>I can add two digit numbers, sometimes without apparatus. I know that addition can be done in any order</p> <p>I can double numbers to 5 and halve numbers to 10</p> <p>I can halve numbers up to 20 plus( multiples of 10)</p> <p>I can work out "how many more" I need to add to a number to make 20</p> <p>I know my number bonds to 20</p>	<p>I can use standard units of length, mass and capacity to estimate and to begin to measure</p>	<p>I can read the time to : o'clock, half past, quarter past or quarter to.</p>	<p>I can order number or amounts of money from the highest to the lowest or lowest to the highest up to 100</p>		<p>I know what a right angle looks like (a quarter turn)</p> <p>I understand angle as a measurement of a turn</p>	<p>I can spot and carry on a number pattern (going up or down in 2's, 5's or 10's) from any two digit number</p>	
	Level 2a	<p>I can read and write all numbers to 1000</p> <p>I can partition a number into hundreds, tens and units</p> <p>I can choose the right operation to solve simple + - problems</p> <p>I know by heart all the number bonds that make 100 (multiple of 10)</p> <p>I can double numbers to 10 and halve numbers to 20</p> <p>I know that X sign is a multiplication</p> <p>I know that x2 represents doubling and dividing by 2 means halving</p> <p>I know my 2x , 5x and 10x tables</p> <p>I can share between 2,5, or 10</p> <p>I know that multiplication is the same as repeated addition</p>	<p>I can measure using a ruler up to 30cm</p>		<p>I know £3 pounds and 45pence can be written as £3.45</p> <p>I can total money to £10</p>	<p>I can make simple lists, tables and charts without help. I can use information from graphs and charts where the scale is in 1.</p>	<p>I know that two halves or 4 quarters make a whole, and that two quarters and 1 half are equivalent</p> <p>I can use pictures of 2D and 3D shapes to describe their properties (number of sides, faces,</p>		

							vertices etc) I can recognise right angle turns and within shapes		
Year 4	Level 3c	<p>I can read and write numbers to 1000 and read number in the 1000's</p> <p>I can round two digit numbers to the nearest 10 and three digit numbers to the nearest 100</p> <p>I can count on or back in 1's, 10's or 100's starting from any two or three digit number</p> <p>I can count back in 2's from any two digit number</p> <p>I can double or halve numbers to 100</p> <p>I can add three 2 digit numbers</p> <p>I can subtract a two digit number from another as long as there is no exchange involved</p> <p>I know that the – sign is a division symbol</p> <p>I know most of my 3x and 4x tables</p> <p>I know that less than 0 is a negative number</p> <p>I can find the simple fractions (half or a quarter) of numbers or pictures</p>	I can estimate and measure lengths. I can read a scale to the nearest mark	I can read the time to the nearest 5 minutes		I can draw and interpret graphs with scales that are in 2's	I can use simple co-ordinates to identify a square on a grid	I can recognise and continue sequences (in 2's 3's 4's 5's or 10's) from any two digit number	
	Level 3b	<p>I can read and write numbers in thousands</p> <p>I can round numbers to the nearest 10 or 100</p> <p>I can add or take away involving negative numbers set out on a number line</p> <p>I can recognise negative numbers on a thermometer</p> <p>I can subtract any two digit numbers from another using decomposition (exchange) when necessary</p> <p>I know division is just like repeated subtraction</p> <p>I know the division facts for the 2,5,and 10 times tables</p> <p>I know my 3x and 4x times tables</p> <p>I know and understand why division problems often have remainders</p> <p>I can recognise and name fractions such as half, 1 third, quarter, 1 fifth and 1 tenth</p> <p>I know what is meant by the signs &lt; and &gt; and can use these to compare numbers</p>	I can suggest suitable units and equipment to measure length, mass and capacity	I know the units of time and the connections between them (seconds, minutes etc) I can use this year's calendar	I can add any amounts of money set out in decimal form	I can construct and interpret sorting diagrams with 2 criteria I can draw and interpret graphs with scales in 1,2or 5's	I know that a straight line is equivalent to 2 right angles I can classify and describe regular and irregular polygons	I can count on and back in steps of 3,4 or 5 from any number	
Year 5	Level 3a	<p>I can write out numbers that are said to me in tens or hundreds or thousands</p> <p>I recognise negative numbers and can position them on a number line</p>		I can read a 24 hour digital clock and			I can visualise 3D shapes from 2D shape in a mirror line parallel to		

		<p>I know that two halves and four quarters make a whole, and that two quarters or three sixths is a half</p> <p>I can recognise and name fractions such as <math>\frac{2}{3}</math> and <math>\frac{3}{10}</math></p> <p>I know that <math>\frac{1}{2}</math> is the same as 0.5</p> <p>I can add 2 numbers together that have one decimal place</p> <p>I can add two simple fractions</p> <p>I can work subtractions involving Hundreds, tens and units</p> <p>I know my entire 2x, 3x, 4x, 5x, 10x, and most of my 6x, 7x, 8x, 9x times tables</p> <p>I can recognise two digit multiples of 2, 5, 10 and three digit multiples of 2,5,10,50. 100</p> <p>I know what a square number is and know and recognise them all up to 10 X 10</p> <p>I can find the pairs of factors of any number to 30 and know all my prime numbers to 30</p> <p>I can divide numbers with remainders and understand the result</p> <p>I can recognise equivalent fractions and mixed numbers</p>		<p>tell the time on any analogue clock.</p> <p>I can read simple timetables and use calendars</p>			<p>one side.</p> <p>I can read and plot co-ordinates in the first quadrant</p>		
	Level 4c	<p>I know how to read and write numbers to 1,000,000</p> <p>I can apply a quick method of multiplying by 10 or 100</p> <p>I can work out 10%, 25% or 50% of numbers and know their connections to fractions.</p> <p>I understand percentage as part of 100</p> <p>I can add or subtract with thousands to 2 decimal places</p> <p>I know my multiplication tables to 10 x</p> <p>I can multiply two or three digit numbers by any two digit number</p> <p>I can check my answers using the inverse operation</p> <p>I can use estimation when trying to work out whether my calculation is likely to be correct</p> <p>I can work out what needs to be added to a fraction to make it a whole one</p> <p>I can use decimals to write tenths</p> <p>I can round a decimal to the nearest whole one</p>	<p>I know the equivalent of <math>\frac{1}{2}</math> <math>\frac{1}{4}</math> <math>\frac{3}{4}</math> and <math>\frac{1}{10}</math> of 1km, 1m, 1kg, 11</p>	<p>I can use am and pm notation</p>		<p>I can collect discrete data and record it in a frequency table</p> <p>I can independently draw and interpret tally charts, bar charts and bar line graphs.</p>	<p>I can classify triangles</p> <p>I can identify simple nets of some solid shapes</p> <p>I can measure the perimeter and area of rectangles and other simple shapes, using counting methods</p> <p>I can identify acute and obtuse angles. I understand and can use a protractor to measure in degrees</p>	<p>I can work out number sequences and explain them to another person</p>	
> 4	Level 4b	<p>I can write any number in words and or figures,</p>	<p>I can convert up</p>			<p>I can find</p>	<p>I can construct</p>		

	<p>knowing what each digit represents.</p> <p>I can use decimal notation for tenths, hundredths and thousandths and know what each digit represents</p> <p>I can work out the relationship between percentages and fractions</p> <p>I can multiply and divide any whole number by 100</p> <p>I can add and subtract numbers up to 10000 on paper</p> <p>I can estimate answers before multiplying and dividing</p> <p>I can solve multiplication problems, TU x U, HTU x U and TU x TU</p> <p>I know what to do with a remainder in a word problem</p> <p>I can order a set of mixed numbers</p> <p>I can recognise all squares to at least 12 x 12</p> <p>I can recognise prime numbers and find all prime numbers to 100</p> <p>I can use all four operations to solve problems related to money, time, weight or capacity</p> <p>I can find the difference between any positive and negative number or between two negative numbers</p>	<p>to 1000cm to m (vice versa)</p> <p>I am efficient when choosing and using a range of appropriate scales</p>			<p>the mode, median and range of any set of numbers</p> <p>I can classify according to degree of likelihood (impossible, unlikely, possible, certain etc)</p>	<p>rectangles, squares and right angled triangles using set squares and rulers</p> <p>I can recognise all lines of symmetry in a shape and sketch a reflective pattern</p> <p>I can recognise where a shape will be after a translation</p> <p>I can construct triangles using a ruler and protractor, draw lines to the nearest millimetre and angles to the nearest degree</p> <p>I can complete symmetrical patterns with 2 lines of symmetry</p> <p>I can use and interpret co-ordinates in the first quadrant</p>		
Level 4a	<p>I can order, add or subtract negative numbers</p> <p>I can order numbers with up to 3 decimal places</p> <p>I can multiply or divide to one decimal place</p> <p>I know the word "inverse" and can check my answers using the inverse operation</p> <p>I can order fractions such as <math>\frac{2}{3}</math>, <math>\frac{3}{4}</math>, <math>\frac{5}{6}</math>, by changing each to a common denominator</p> <p>I can use a calculator to convert fractions to their decimal equivalents</p> <p>I can work out a decimal fraction that lies between two that have a 0.1 difference, such as 3.6 and 3.7</p> <p>I can add and subtract decimal numbers on paper</p>				<p>I can interpret a pie chart, using a percentage or fractions to describe proportions of the whole set of data</p> <p>I can construct</p>	<p>I can calculate angles on a straight line</p> <p>I can identify different nets for an open cube</p> <p>I can recognise parallel and perpendicular lines</p> <p>I can measure and calculate the perimeter and area of rectangles</p>	<p>I can use a probability scale of 0 to 1</p>	

		I can use all number operations to solve word problems involving numbers in “real life”				and interpret simple line graphs I can group data, with equal class intervals and construct graphs and charts with it	and other simple shapes		
	Level 5	<p>I can use a calculator to calculate percentages and fractions of quantities and measurements</p> <p>I can use a calculator to calculate squares, square roots and cubes of larger numbers</p> <p>I can multiply and divide by 100, and 1000.</p> <p>I can use all four operations to 2 decimal places</p> <p>I can carry out a long multiplication and division and check my answers on a calculator</p> <p>I can round up or down to the nearest 10,100 and 1000</p> <p>I can work out the missing value in simple equation involving addition or subtraction: e.g. <math>2x-1=7</math></p> <p>I can use all four operations to solve word problems involving money including conversations to/from foreign currency and percentage , such as VAT</p> <p>I can use all four operations in solving problems involving speed.</p>	<p>I can convert up to 1000cm to m (vice versa)</p> <p>I am efficient when choosing and using a range of appropriate scales</p>				<p>I can apply formulae for perimeters and areas of rectangles and the volume of cuboids</p> <p>I can calculate the perimeter and area of simple compound shapes that will split into rectangles .</p>		