Maths Progression

		Addition	Subtraction	Multiplication	Division	Other Number	Fractions	Decimals	Percentages
Year 6	Read, write, compare, order numbers to 10 million. Round numbers to nearest 10 – 1 million.			Multiply by 2 digit numbers	Divide by 2 digit numbers	Used mixed operations, common multiples, common factors, prime numbers. Add and subtract negative numbers. Use negative numbers.	Simplify, compare, order, add and subtract, multiply and divide fractions by a whole number.	Read and write decimals. Divide whole numbers. Write fractions as decimals. Multiply and divide decimals. Multiply and divide a decimal by a 2 digit number.	Find percentage of number and quantity. Find percentage change. Use percentage to compare.
Year 5	Read and write numbers to one million. Compare numbers to one million. Make number patterns. Round numbers to the nearest 10 – 100,000	Count on to add within one million.	Count back to subtract within one million.	Multiply by 10, 100 and 1,000. Multiply 2, 3 and 4 digit numbers by a 1 digit number. Multiply 2 and 3 digit numbers by 2 digit numbers.	Divide by 10, 100 and 1,000. Divide 3 and 4 digit numbers. Divide with remainders.	Find multiples, factors, common factors, prime numbers, square and cube numbers. Write Roman Numerals to 1,000 and write years in Roman Numerals.	Divide to make fractions. Write improper fractions and mixed numbers. Find equivalent fractions. Compare and order fractions. Make number pairs. Add and subtract fractions. Multiply fractions by a whole number. Multiply mixed numbers. Multiply mixed numbers by whole numbers.	Read, write and compare decimals. Write fractions as decimals. Add and subtract decimals. Round decimals.	Compare quantities and find percentages.

Year 4	Count in 100s and 25s. Count in 1,000s, 100s, 10s and 1s. Compare and order numbers. Make number patterns. Count in 6s, 7s and 9s. Round to nearest 10, 100 or 1,000. Round to estimate.	Add without renaming add with renaming. Add using mental strategies.	Find differences. Subtract without renaming. Subtract with renaming. Subtract using mental strategies.	Multiply by 6, 7, 9, 11, 12, 0 and 1. Square numbers. Multiplying 3 numbers. Multiplying by multiple of 10 and 100. Multiply 2 digit numbers. Multiply 3 digit numbers.	Divide by 6, 7, 9, 11, 12. Divide with remainders. Divide 2 digit numbers. Divide 3 digit numbers.	Write Roman Numerals from 1 to 100.	Count in 100ths. Write mixed numbers. Show mixed numbers on a number line. Find equivalent fractions. Simplify mixed numbers. Simplify improper fractions. Add and subtract fractions.	Write 10ths and 100ths. Write decimals. Compare and order. Make number patterns. Round decimals. Write fractions as decimals. Divide whole numbers by 10 and 100. Write, compare, round and estimate amounts of money.	
Year 3	Count in 100s, 50s, 10s and 1s. Compare and order numbers. Find number patterns. Count in 4s and 8s.	Counting on to add. Add with renaming.	Count back to subtract. Subtract with renaming.	Multiply by 3, 4 and 8. Multiply 2 digit numbers. Multiply with regrouping.	Divide by 4 and 8. Divide 2 digit numbers. Divide with regrouping.	Name amounts of money. Add and subtract money. Calculate change.	Count in 10ths. Number pairs. Add and subtract fractions. Find equivalent fractions. Simplify and compare fractions. Sharing more than 1.		

Year 2	Count to 100. Compare numbers. Number bonds. Number patterns.	Add with and without renaming. Adding three numbers.	Subtract with and without renaming.	Multiplication as equal groups. 2, 5, 10 times tables. Multiplying by 2,5 and 10.	Grouping. Sharing. Dividing by 2,5 and 10.	Odd and even numbers. Count money. Write amounts of money. Show equal amounts of money. Exchange money. Compare amounts of money. Calculate total amount of money. Calculate change.	Make equal parts. Show half, quarter and thirds. Name fractions. Make equal fractions. Compare and order fractions. Count wholes and parts. Count in halves, quarters and thirds. Find part of a set and quantity.		
Year 1	Count to 10 then 20 then 40 then 100. Count objects to 10 then 20 then 40 then 100. Count to 0. Compare numbers of objects. Order and compare objects. Make number bonds. Write to 20. Compare and order numbers. Number patterns.	Add using numbers bonds. Add by counting on. Complete number sentences. Make addition stories. Solve picture problems. Add by making 10. Add by adding ones. Addition facts.	Subtract by crossing out. Subtract using number bonds. Subtract by counting back. Make subtraction stories. Solve picture problems. Subtract by subtracting one. Subtract from 10. Subtraction facts.	Making equal groups. Adding equal groups. Making equal rows. Making doubles.	Grouping equally. Sharing equally.	Recognise coins and notes.	Making halves. Making quarters. Sharing and grouping.		
Reception	Count and recognise numbers to 20. Order numbers. Say one more and one less than numbers to 20.	Add single digit numbers and count on to find the answer.	Subtract single digit numbers and count back to find the answer.	Solve problems including doubling.	Solve prolems including sharing.	Estimate a group of objects and check by counting. Use everyday language to talk about money.	Solve problems including halving.		

Nursery	Recognise numbers 1 – 10. Count objects to 10.	Find total number of items in two groups by counting them.							

	Ratio	Algebra	Measurement	Area and Perimeter	Volume	Geometry	Time	Position and movement	Graphs and data handling
Year 6	Compare quantities. Compare numbers.	Describe a pattern. Write and evaluate algebraic expressions. Write formulae. Use formulae. Solve equations.	Convert units of length, mass, volume and time.	Find area and perimeter of rectangles. Find areas of parallelograms and triangles.	Find volume of cuboids and cubes.	Investigate vertically opposite angles. Investigate angles in triangles and quadrilaterals. Name parts of a circle. Draw quadrilaterals and triangles. Draw nets of 3D shapes.		Show negative numbers. Describe position, translation, reflections and movements. Use algebra to describe position and movement. Draw polygons on a coordinate grid.	Understand averages. Calculate the mean. Show information on graphs. Read pie charts and line graphs. Convert miles to kilometres.
Year 5			Convert units of length, mass and time. Tell the temperature.	Find the perimeter. Use scale diagrams to find the perimeter. Measure and estimate area.	Understand volumes of solids. Find the volume of a solid. Find the capacity of rectangular boxes. Convert units of volume.	Know types of angles. Measure angles. Investigate angles on a line or at a point. Draw lines and angles. Describe square and rectangles. Investigate angles in squares and rectangles. Investigate regular polygons.		Name and plot points. Describe translations, movements and reflections.	Read tables and line graphs.

Year 4			Measure mass. Convert units of mass. Measure height and length. Convert units of length.	Measure perimeter in different units. Measure the surface an object covers. Measure area.	Measure volume. Convert units of volume.	Know types of triangle. Compare angles. Classify triangles and quadrilaterals. Identify symmetrical figures. Draw lines of symmetry. Make or complete symmetrical figures. Sort shapes.	Tell the time on a 24hr clock. Change minutes to seconds, and hours to minutes. Solve problems on the duration of time. Change years to months and weeks to days.	Describe position and movement. Plot points.	Draw and read picture, bar and line graphs.
Year 3			Write length in km, m and cm. Compare length. Read weighing scales.	Measure total length around a shape. Measure and calculate perimeter.	Measure volume and capacity in ml and l. Write volume and capacity in ml and l.	Make angles. Find angles in shapes. Find right angles. Compare angles. Make turns. Identify parallel and perpendicular lines. Find horizontal and vertical lines. Describe and draw 2D shapes. Describe and make 3D shapes.	Tell the time to the minute. Measure and compare time in seconds. Measure time in hours and minutes. Change minutes to seconds and seconds to minutes. Find number of days.		Draw picture graphs. Draw and read bar graphs.
Year 2			Measure and compare in m and cm. Compare the length of lines. Measure mass in kg and g. Compare the mass of two or three objects. Read and estimate temperature.		Compare volume. Measure volume in l and ml.	Identify sides, vertices and lines of symmetry. Make figures. Sort and draw shapes. Make and describe patterns. Move and turn shapes. Recognise, describe, group and form 3D shapes. Make patterns.	Tell and write time to 5 minutes. Sequence events. Draw clock hands. Find duration of time. Find start and end times. Compare time.		Read pictographs.

Year 1			Compare height and length. Measure length in non-standard units. Measure height and length using body parts and then a ruler. Find and compare mass.		Find and compare volume and capacity. Describe volume using half and a quarter.	Recognise solids. Recognise shapes. Group shapes. Make patterns.	Tell the time to the hour and half hour. Use next, before and after. Estimate duration of time. Compare time. Use a calendar.	Name positions. Name positions in queues. Name left and right positions. Describe position and movement. Make turns.	
Reception			Use everyday language to talk about weight and distance. Can order 2 or 3 items by length or height. Can order two items by weight.		Use everyday language to talk about capacity. Can order two items by capacity.	Explore characteristics of 2D and 3D shapes and use mathematical language to describe them. Recognise, create and describe patterns.	Use everyday language to talk about time. Order and sequence familiar events.	Can describe their relative position such as "behind" or "next to"	
Nursery						Show an awareness of similarities of shapes in the environment. Can name simple 2D shapes.		Use positional language.	