Maths Skills Progression Document



	Place Value: Count												
Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6						
Subitising of up to 3 objects Recite numbers past 5 Say one number for each item in order 1, 2, 3, 4, 5-know that the last number reached when counting is	Subitising of up to 5 objects Have a deep understanding of numbers to 10 To begin to recognise patterns in the number system	Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number Count numbers to 100 in numerals; count in multiples of twos, fives and	Year 2 Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward	Year 3 Count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number	Year 4 Count in multiples of 6, 7, 9, 25 and 1000 Count backwards through zero to include negative numbers	Count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000 Count forwards and backwards with positive and negative whole numbers,	Year 6						
how many there are.	Encourage children to build and identify numbers to 20 (and beyond) using practical equipment	tens				including through zero							

	Place Value: Represent											
Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6					
Show finger	To have a deep	Identify and	Read and write	Identify, represent	Identify, represent	Read, write, (order	Read, write, (order					
numbers up to 5	understanding of	represent	numbers to at	and estimate	and estimate	and compare)	and compare)					
	numbers to 10 and	numbers using	least 100 in	numbers using	numbers using	numbers to at	numbers up to					
Link numerals to	can represent	objects and	numerals and in	different	different	least 1 000 000	10 000 000 and					
amounts- showing	them in differing	pictorial	words	representations	representations	and determine the	determine the					
the right number	ways	representations				value of each digit	value of each digit					
of objects for the		!	Identify, represent	Read and write	Read Roman							
number up to 5	Learn that the	Read and write	and estimate	numbers up to	numerals to 100 (I	Read Roman						
	number name zero	numbers to 100 in	numbers using	1000 in numerals	to C) and know	numerals to 1000						
Experiment with	and the numeral 0	numerals	different	and in words	that over time, the	(M) and recognise						
their own symbols,	can be used to	!	representations,		numeral system	years written in						
marks and	represent this	Read and write	including the		changed to include	Roman numerals						
numerals.	idea.	numbers from 1 to	number line		the concept of							
		20 in numerals			zero and place							
		and words			value							

	Place Value: Use and Compare												
Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6						
Separate a group of up to 5 objects in different ways Recognise numbers up to 5 and be able to order them	Comparing quantities to 5 Identifying one more and one less to 5	Identify one more and one less of a given number	Recognise the place value of each digit in a two-digit number (tens, ones) Compare and order numbers from 0 up to 100; use < > and = signs	Recognise the place value of each digit in a three-digit number (hundreds, tens, ones) Compare and order numbers up to 1000	Find 1000 more or less than a given number Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones) Order and compare numbers	(read, write) order and compare numbers to at least 1 000 000 and determine the value of each digit	(read, write), order and compare numbers up to 10 000 000 and determine the value of each digit						
					beyond 1000								

	Place Value: Rounding and Problems											
Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6					
To be able to add and subtract within 5	Solve real-life mathematical problems with numbers up to 10	Use number facts to solve problems	Use place value and number facts to solve problems	Solve number problems and practical problems involving these	Round any number to the nearest 10, 100 or 1000	Interpret negative numbers in context	Round any whole number to a required degree of accuracy					
Solve real-life mathematical problems with numbers up to 5 Separating a group of up to 5 objects				ideas	Solve number and practical problems that involve all of the above and with increasingly large positive	Round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000	Use negative numbers in context, and calculate intervals across zero					
in differing ways					numbers	Solve number problems and practical problems that involve all of the above	Solve number and practical problems that involve all of the above					

	Addition and Subtraction Calculations												
Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6						
Combine two groups (up to 5) to find how many altogether (using subitising where possible)	To recall number bonds to 5 To understand that a pair is two Combine two groups to find how many altogether (using subitising where possible) Explore number bonds to 10 using real objects in different contexts.	Add and subtract one-digit and two-digit numbers to 20, including zero	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	Add and subtract numbers mentally, including: > a three-digit number and ones > a three-digit number and tens > a three-digit number and tens > a three-digit number and hundreds Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction	Add and subtract numbers with up to 4 digits using the formal written methods of column addition and subtraction	Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction) Add and subtract numbers mentally with increasingly large numbers	Perform mental calculations, including with mixed operations and large numbers Use their knowledge of the order of operations to carry out calculations involving the four operations						

	Addition and Subtraction Problems											
Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6					
To solve problems by combining two groups (up to 5) to find how many altogether (using subitising where possible)	To solve problems by combining two groups to find how many altogether (using subitising where possible) Explore number bonds to 10 using real-life contexts.	Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = \chi - 9$	Solve problems with addition and subtraction: ➤ using concrete objects and pictorial representations, including those involving numbers, quantities and measures ➤ applying their increasing knowledge of mental and written methods	Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction	Solve addition and subtraction twostep problems in contexts, deciding which operations and methods to use and why	Solve addition and subtraction multistep problems in contexts, deciding which operations and methods to use and why Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign	Solve addition and subtraction multistep problems in contexts, deciding which operations and methods to use and why					

Multiplication and Division: Recall/ Use											
Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6				
			Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot	Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables	Recall multiplication and division facts for multiplication tables up to 12 × 12 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 Recognise and use factor pairs and commutativity in mental calculations	Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers Establish whether a number up to 100 is prime and recall prime numbers up to 19 Recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3)	Identify common factors, common multiples and prime numbers Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy				

		Mu	Itiplication and D	Division: Calculati	ons		
Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Explore the idea of sharing	Understanding that double means 'twice as many' Deepen the idea of sharing Begin to understand that some quantities will share equally into two groups and some won't.	Deepen and apply idea of sharing	Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs	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	Multiply two-digit and three-digit numbers by a one-digit number using formal written layout	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 Multiply and divide numbers mentally drawing upon known facts 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 Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000	Multiply multidigit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication Divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context 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 Perform mental calculations, including with mixed operations and large numbers

	Multiplication and Division: Problems											
Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6					
		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	Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts	Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects	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 n objects are connected to m objects	Solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes Solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates	Solve problems involving addition, subtraction, multiplication and division					

	Multiplication and Division: Combined											
Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6					
						solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign	use their knowledge of the order of operations to carry out calculations involving the four operations					

	Fractions: Recognise and Write												
Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6						
		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	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	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 Recognise, find and write fractions of a discrete set of objects: unit fractions and nonunit fractions with small denominators Recognise and use fractions as numbers: unit fractions with small denominators	Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten	Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number [for example, $\frac{2}{5} + \frac{4}{5}$]							

	Fractions: Compare										
Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6				
. vo. oc. y		. 50. 2	Recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$	Recognise and show, using diagrams, equivalent fractions with small denominators Compare and order unit fractions, and fractions with the same	Recognise and show, using diagrams, families of common equivalent fractions	Compare and order fractions whose denominators are all multiples of the same number	Use common factors to simplify fractions; use common multiples to express fractions in the same denomination Compare and order fractions, including fractions > 1				
				denominators							

	Fractions: Calculations										
Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6				
			write simple fractions for example, $\frac{1}{2}$ of 6 = 3	Add and subtract fractions with the same denominator within one whole [for example, $\frac{5}{7} + \frac{1}{7}$] = $\frac{6}{7}$	Add and subtract fractions with the same denominator	Add and subtract fractions with the same denominator and denominators that are multiples of the same number Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams	Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions Multiply simple pairs of proper fractions, writing the answer in its simplest form [for example, $\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$] Divide proper fractions by whole numbers [for example $\frac{1}{3} \div 2 = \frac{1}{6}$]				

	Fractions: Solve problems									
Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6			
				Solve problems	Solve problems					
				that involve all of	involving					
				the above	increasingly harder					
					fractions to					
					calculate					
					quantities, and					
					fractions to divide					
					quantities,					
					including non-unit					
					fractions where					
					the answer is a					
					whole number					

	Decimals: Recognise, Write and Compare										
Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6				
					Recognise and write decimal equivalents of any number of tenths or hundredths	Read and write decimal numbers as fractions [for example, 0.71 = 71 100]	Identify the value of each digit in numbers given to three decimal places				
					Recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ Round decimals with one decimal place to the nearest whole number Compare numbers with the same number of decimal places up to two decimal places	Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents Round decimals with two decimal places to the nearest whole number and to one decimal place Read, write, order and compare numbers with up to three decimal places					

	Decimals: Decimals and Percentages										
Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6				
					Solve simple measure and money problems involving fractions and decimals to two decimal places	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 decima	Associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example, $\frac{3}{8}$]				
						Solve problems which require knowing percentage and decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{2}{5}$, $\frac{4}{5}$ and those fractions with a denominator of a multiple of 10 or 25	Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts				

			Ratio and	Proportion			
Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
							Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts
							Solve problems involving the calculation/use of percentages for comparison
							Solve problems involving similar shapes where the scale factor is known or can be found
							Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples

Algebra Note – although formal algebraic notation is not introduced until Y6, algebraic thinking starts much earlier as exemplified by the 'missing number' objectives from Y1/2/3 Nursery Reception Year 1 Year 2 Year 3 Year 4 Year 5 Year 6 Recognise and use Solve problems, Use simple Solve one-step problems that the inverse including missing formulae involve addition relationship number problems between addition and subtraction, Generate and and subtraction describe linear using concrete objects and and use this to number sequences pictorial check calculations Express missing representations, and solve missing number problems number problems and missing number problems algebraically such as $7 = \chi - 9$ Find pairs of numbers that satisfy an equation with two unknowns Enumerate possibilities of combinations of two variables

			Mea	sures			
Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
To be able to compare quantities using language; 'more than', 'fewer than' Make comparisons between objects relating to size, length, weight and capacity.	Comparing size, length, height, mass and capacity (longer, shorter, wider, narrower, taller, shorter)	Compare, describe and solve practical problems for: lengths and heights mass/weight capacity and volume time Measure and begin to record the following: lengths and heights mass/weight capacity and volume time heights mass/weight capacity and volume time (hours, minutes, seconds	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 Compare and order lengths, mass, volume/capacity and record the results using >, < and =	Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (I/mI)	Convert between different units of measure [for example, kilometre to metre; hour to minute] Estimate, compare and calculate different measures	Convert between different units of metric measure Understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints Use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling	Solve problems involving the calculation and conversion of units of measure, using decimal notation up to 3.d.p. where appropriate Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to 3.d.p. Convert between miles and kilometres

			Mo	ney			
Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Nursery	Reception	Recognise and know the value of different denominations of coins and notes	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	Add and subtract amounts of money to give change, using both £ and p in practical contexts	Estimate, compare and calculate different measures, including money in pounds and pence	Use all four operations to solve problems involving measure [for example, money]	Year 6
			involving addition and subtraction of money of the same unit, including giving change				

			Measur	es: Time			
Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Begin to describe a sequence of events, real and fictional using words such as first, then	Order events in the day using language such as first, next, now, later Children talk about day and night, linking to morning and afternoon.	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	Compare and sequence intervals of time 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 Know the number of minutes in an hour and the number of hours in a day	Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12- hour and 24-hour clocks 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 Know the number of seconds in a minute and the number of days in each month, year and leap year Compare durations of	Read, write and convert time between analogue and digital 12- and 24-hour clocks Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days	Solve problems involving converting between units of time	Use, read, write and convert between standard units, converting measurements of time from a smaller unit of measure to a larger unit, and vice versa Note – time conversions are covered in Y5; the Y6 block concentrates on metric units.

events [for example to calculate the time taken by particular events or tasks]	

Measures: Perimeter, Area and Volume										
Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6			
Nursery	Reception	Teal 1	Teal 2	Measure the perimeter of simple 2-D shapes	Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres Find the area of rectilinear shapes by counting squares	Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres Calculate and compare the area of rectangles (including squares) and including using standard units, square centimetres (cm²) and square metres (m²) and estimate the area of irregular shapes estimate volume [for example, using blocks to build cuboids] and capacity [for example, using water]	Recognise that shapes with the same areas can have different perimeters and vice versa Recognise when it is possible to use formulae for area and volume of shapes Calculate the area of parallelograms and triangles Calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm³) and cubic metres (m³), and extending to other units			

			Geometry:	2D Shapes			
Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Talk about and explore 2D and 3D shapes (for example circles, rectangles, triangles) use informal and mathematical language: sides, corners, straight, flat, round Provide opportunities for children to complete jigsaws and shape puzzles where they have to rotate shapes to fill a gap. Talk about and identifies the patterns around them. For example stripes on clothes, designs on rugs and wall paper. Use informal language like pointy, spotty, blobs.	To recognise and name simple 2D shapes Provide opportunities for children to complete jigsaws and shape puzzles where they have to rotate shapes to fill a gap. Copy, continue and create their own simple repeating patterns ABB AAB AABB AABB AABB	Recognise and name common 2-D shapes [for example, rectangles (including squares), circles and triangles] and talk about their properties	Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line Identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid] Compare and sort common 2-D shapes and everyday objects	Draw 2-D shapes	Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes Identify lines of symmetry in 2-D shapes presented in different orientations	Distinguish between regular and irregular polygons based on reasoning about equal sides and angles. Use the properties of rectangles to deduce related facts and find missing lengths and angles	Draw 2-D shapes using given dimensions and angles Compare and classify geometric shapes based on their properties and sizes Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius

Extend and create ABAB patterns – stick, leaf, stick, leaf				
Notice and correct an error in a repeating pattern				

Geometry: 3D Shapes								
Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
Select shapes appropriately: flat surfaces for building, a triangular prism for a roof etc Combine shapes to make new ones an arch, a bigger triangle.	To recognise and name simple 3D shapes Explore similarities and differences between shapes and begin to sort.	Recognise and name common 3-D shapes [for example, cuboids (including cubes), pyramids and spheres] and talk about their properties	Recognise and name common 3-D shapes [for example, cuboids (including cubes), pyramids and spheres] Compare and sort common 3-D shapes and everyday objects	Make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them		Identify 3-D shapes, including cubes and other cuboids, from 2-D representations	Recognise, describe and build simple 3-D shapes, including making nets	

Geometry: Angles and Lines									
Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6		
				Recognise angles as a property of shape or a description of a turn 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 Identify horizontal and vertical lines and pairs of perpendicular and parallel lines	Identify acute and obtuse angles and compare and order angles up to two right angles by size Identify lines of symmetry in 2-D shapes presented in different orientations Complete a simple symmetric figure with respect to a specific line of symmetry	Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles Draw given angles, and measure them in degrees Identify: ➤ angles at a point and one whole turn (total 360°) ➤ angles at a point on a straight line and 1 2 a turn (total 180°) ➤ other multiples of 90°	Find unknown angles in any triangles, quadrilaterals, and regular polygons Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles		

Geometry: Position and Direction									
Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6		
Understand	Begin to apply	Describe position,	Order and arrange		Describe positions	Identify, describe	Describe positions		
position through	positional	direction and	combinations of		on a 2-D grid as	and represent the	on the full		
words alone – for	language	movement,	mathematical		coordinates in the	position of a shape	coordinate grid (all		
example the bag is		including whole,	objects in patterns		first quadrant	following a	four quadrants)		
under the table –	Children follow	half, quarter and	and sequences			reflection or			
with no pointing	instructions e.g.	three-quarter			Describe	translation, using	Draw and translate		
	Put the teddy next	turns	Use mathematical		movements	the appropriate	simple shapes on		
Describe a familiar	on top of the		vocabulary to		between positions	language, and	the coordinate		
trail	book.		describe position,		as translations of a	know that the	plane, and reflect		
			direction and		given unit to the	shape has not	them in the axes		
Discuss routes and	Can make maps		movement,		left/right and	changed			
locations using	and plans to		including		up/down				
words like in front	represent places		movement in a						
of and behind	and use these to		straight line and		Plot specified				
	see where things		distinguishing		points and draw				
	are in relation to		between rotation		sides to complete				
	other things.		as a turn and in		a given polygon				
			terms of right						
			angles for quarter,						
			half and three-						
			quarter turns						
			(clockwise and						
			anti-clockwise)						

Statistics: Present and Interpret Data									
Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6		
			Interpret and construct simple pictograms, tally charts, block diagrams and simple tables	Interpret and present data using bar charts, pictograms and tables	Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs	Complete, read and interpret information in tables, including timetables	Interpret and construct pie charts and line graphs and use these to solve problems		

Statistics: Solve Statistical Problems									
Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6		
			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	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	Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs	Solve comparison, sum and difference problems using information presented in a line graph	Calculate and interpret the mean as an average		