Maths Progression		Year 1	Year 2	Year 3	Year 4
Place Value	Autumn	I can Sort objects I can Count objects I can Represent objects I can Count, read and write forwards from any number 0 to 10 I can Count, read and write backwards from any number 0 to 10 I can count one more and less I can show One-to-one correspondence to start to compare groups I can Compare groups using language such as equal, more/greater, less/fewer I can use the <, > and = symbols I can Compare & order numbers and groups of objects	I can count to 20. I can count objects to 100 by making 10s. I can recognise tens and ones. I can use a place value chart. I can write numbers to 100 in words. I can flexibly partition numbers to 100. I can write numbers to 100 in expanded from. I can count in tens on a number line to 100. I can count in tens and ones on a number line to 100.	I can represent numbers to 100 I can partition numbers to 100 I can represent numbers to 1,000 I can partition numbers to 1,000	I can Represent numbers to 1,000 I can Partition numbers to 1,000 I can use number lines to 1,000 I can Represent numbers to 10,000 I can Partition numbers to 10,000
	Spring	I can use Ordinal numbers (1st, 2nd, 3rd…) I can Count forwards and backwards and write numbers to 20 in numerals and words I can say how many Tens and ones I can Count one more and one less I can Compare groups of objects I can Compare and order numbers within 20 I can say the numbers to 50 I can Represent numbers to 50 I can say One more and one less than a given number I can Compare objects & numbers within 50 I can Order numbers within 50 I can Count in 2s & 5s	I can estimate numbers on a number line. I can compare objects. I can compare numbers. I can order objects and numbers. I can count in 2s, 5s and 10s. I can count in 3s.	I can plot numbers on number line to 1000 I can estimate on a number line to 1000 I can compare numbers to 1000 I can order numbers to 1000	I can use flexible partitioning of numbers to 10,000 I can find 1, 10, 100, 1,000 more or less I can use a number line to 10,000 I can estimate on a number line to 10,000 I can compare numbers to 10,000 I can order numbers to 10,000
	Summer	I can Count to 100 I can Partition numbers I can Compare numbers I can Order numbers I can say One more, one less than a given number.	Recap on above small steps.	I can flexibly partition of numbers to 1,000 I can find 1, 10 or 100 more or less I can count in 50s	I can read and write Roman numerals I can round to the nearest 10 I can round to the nearest 100 I can round to the nearest 1,000 I can round to the nearest 10, 100 or 1,000
	Vocabulary	*Same as Reception plus:* sort represent multiples partitioning ones tens	*Same as previous year groups plus:* count in steps count in multiples place value estimate compare value	*Same as previous year groups plus:* ascending descending 10 or 100 more 10 or 100 less hundreds	*Same as previous year groups plus:* negative numbers roman numerals 1000 more 1000 less Thousands round

Addition & Subtraction	**Autumn**	I can use the Part-whole model I can recognise and use the Addition symbol I can find the Fact families – addition facts I can Find number bonds for numbers within 10 I can find Systematic methods for number bonds within 10 I can find a part I can use Subtraction – taking away, how many left? Use the Crossing out method. I can Subtract by taking away, and say how many left? I recognise and use the subtraction symbol	I can complete fact families, both addition and subtraction, for bonds to and within 20. I can derive related facts from a known fact. I can complete number bonds to 100 (in tens). I can add in 1's. I can add by making 10. I can add 3 1–digit numbers. I can add to the next 10. I can add across a 10.	I can add and subtract 1s I can add and subtract 10s I can add and subtract 100s I can add two numbers (no exchange) I can add two numbers – across 10 & 100 I can add 2-digit and 3-digit numbers	I can add up to two 4-digit numbers – no exchange I can add two 4-digit numbers – one exchange I can subtract two 4-digit numbers – no exchange I can subtract two 4-digit numbers – one exchange
	Spring	I can recite my Number bonds to 10 I can Compare number bonds I can solve addition by adding together I can solve Addition sentences by adding more. I can solve Subtraction by finding a part, breaking apart I can Fact families – the 4 facts I can solve Subtraction by counting back I can solve Subtraction by finding the difference. I can Subtract – Not crossing 10	I can subtract 1's. I can subtract across a 10. I can subtract from a 10. I can subtract a 1-digit number from a 2-digit number (across a 10). I can find 10 more and/or 10 less than a 2-digit number. I can add and subtract 10 from and to a 2-digit number.	I can subtract two numbers (no exchange) I can add two numbers – across 10/100 I can subtract two numbers (across a 10) I can subtract two numbers (across a 100) I can add 2-digit and 3-digit numbers I can subtract a 2-digit number from a 3-digit number	I can add two 4-digit numbers – more than one exchange I can subtract two 4-digit numbers – more than one exchange
	Summer	I can Fact families – the 8 facts I can Compare addition and subtraction statements a + b > c I can Compare addition and subtraction statements a + b > c + d I can Add by counting on I can Find and make number bonds I can Add by making 10 I can Subtract by Crossing 10 I can use Related Facts I can Compare number sentences	I can add 2 2-digit numbers (not across a ten) I can add 2 2-digit numbers (across a ten) I can subtract 2 2-digit numbers (not across a ten) I can subtract 2 2-digit numbers (across a ten) I can complete addition and subtraction sentences, choosing the appropriate method. I can solve missing number problems.	I can calculate complements to 100 I can sensibly estimate answers I can use inverse operations	I can use efficient subtraction methods I can estimate answers I can check strategies
	Vocabulary	*Same as Reception plus:* addition/add subtraction difference equals facts problems missing number problems 2-digit number	*Same as previous year groups plus:* sum 3-digit number commutative bridge 10	*Same as previous year groups plus:* column addition column subtraction exchange estimate	*Same as previous year groups plus:* 4-digit number Operations methods

		inverse			
Multiplication & Division	**Autumn**	I can Count in 2's 5's and 10s I can Make equal groups I can Add equal groups I can Make arrays	I can recognise equal groups. I can make equal groups. I can add equal groups. I can make multiplication sentences using the x symbol. I can make multiplication sentences from pictures. I can use arrays. I can apply the 2-times table. I can apply the 5 times table. I can apply the 10 times table.	I can multiply using arrays I can multiply using bar models I can multiply as repeated addition I can divide TU by U with sharing I can divide TU by U with grouping	I can multiply by 10 I can multiply by 100 I can divide by 10 I can divide by 100 I can multiply by 1 and 0 I can divide by 1 and itself I can multiply and divide by 9 I can recall 9 times table and division facts
	Spring	I can find and make doubles I can Make equal groups – grouping I can Make equal groups - sharing	I can make equal groups by sharing. I can make equal group by grouping. I can divide by 2. I can identify odd and even numbers. I can divide by 5. I can divide by 10.	I can multiply by 3 – grid method I can multiply by - grid method I can multiply by 8 – grid method I can multiply TU x U grid method multiples of 10	I can multiply and divide by 6 I can recall 6 times table and division facts I can multiply and divide by 7 I can recall 7 times table and division facts I can recall 11 and 12 times-table I can multiply 2-digits by 1–digit I can divide 2-digits by 1–digit (1)
	Summer	I can use multiplication and division as the inverse to each other. I can solve one step problems for multiplication and division	Recap on above small steps.	I can multiply TU x U using the grid method I can compare statements to check accuracy	I can multiply 3 numbers I can recall factor pairs I can use efficient multiplication I can use written methods for multiplication and division I can multiply 3-digits by 1–digit I can divide 2-digits by 1–digit (2) I can divide 3-digits by 1–digit I can complete correspondence problems
	Vocabulary	*Same as Reception plus:* sort Groups of Multiply Divide Share equally	*Same as previous year groups plus:* multiplication tables commutative repeated addition arrays repeated subtraction	*Same as previous year groups plus:* multiples product grid method exchange regroup missing number problems number line method remainder	*Same as previous year groups plus:* Factor Factor pair 'Bus stop' method
Shape	**Autumn**	I can Recognise and name 3D shapes I can Sort 3D shapes	I can recognise 2D shapes. I can count the sides on a 2D shape. I can count the vertices on a 2D shape. I can draw 2D shapes.	I can use turns and identify angles – quarter, full, half I can find right angles in shapes I can compare angles – acute, right, obtuse	**Not taught**

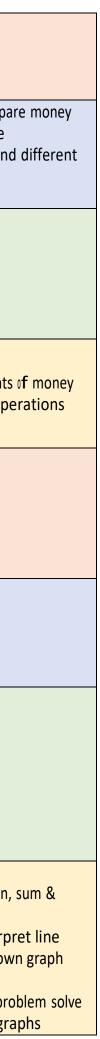|					
			I can identify and draw lines of symmetry.		
	Spring	I can Recognise and name 2D shapes I can Sort 2D shapes	I can recognise 3D shapes. I can count faces on 3D shapes. I can count edges on 3D shapes. I can count vertices on 3D shapes.	**Not taught**	I can Identify angles I can Compare and order angles I can compare and classify triangles, based on their properties and sizes
	Summer	I can use 2D and 3D shapes and describe them I can make Patterns using 3D and 2D shapes	I can sort 2D shapes. I can make patterns with 2D shapes. I can sort 3D shapes. I can make patterns with 3D shapes	I can draw shapes accurately I can explain the meaning of horizontal and vertical I can understand the difference between parallel and perpendicular	I can compare and classify quadrilaterals based on their properties and sizes I can identify lines of symmetry in 2-D shapes I can complete a symmetric figure
	Vocabulary	*Same as Reception plus:* sort sides corners properties pyramids faces	*Same as previous year groups plus:* pentagon hexagon line of symmetry properties cylinder edges vertices vertex	*Same as previous year groups plus:* right-angle triangle heptagon octagon polygon properties prism orientation angles acute angle obtuse angle turn right angles half turn three quarters of a turn greater than right angle less than right angle horizontal & vertical perpendicular lines parallel lines	*Same as previous year groups plus:* isosceles equilateral scalene trapezium rhombus parallelogram kite geometric shapes quadrilaterals
Position	**Autumn**	I can Describe whole and half turns I can Describe Position using left right, forwards and backwards up and down.	I can describe movement. I can describe turns I can describe movement and turns.	**Not taught**	**Not taught**
	Spring	I can Describe turns, including quarter and three quarter. I can Describe Position of objects within mazes and on grids.	**Not taught**	**Not taught**	I can describe positions on a 2-D grid as coordinates in the first quadrant I can draw position on a grid
	Summer	**Not taught**	I can describe movement and turns. I can make patterns with shapes.	**Not taught**	I can move position on a grid I can describe a movement on a grid
	Vocabulary	*Same as Reception plus:* sort position direction	*Same as previous year groups plus:* clockwise/anti-clockwise straight line rotation		*Same as previous year groups plus:* co-ordinates first quadrant

		movement whole turn quarter turn half turn three-quarter turn	arrange sequences		grid translation plot polygon axis
Measure	Autumn	I can Compare lengths and heights I can Measure length I can use the language long/short, longer/shorter, tall/short,	I can measure length in cm. I can measure length in m. I can compare lengths. I can order lengths.	I can measure length using cm and mm I can find equivalent lengths cm and m I can find equivalent lengths cm and mm I can compare lengths by converting to same unit	I can explain What area is I can calculate area by counting squares
	Spring	I am Introduced to weight and mass I can Measure mass I can Compare mass I can use the language heavy/light, heavier than, lighter than	I can complete the four operations with lengths.	I can add lengths cm and mm I can subtract lengths cm and mm I can measure perimeter I can calculate perimeter.	I can make shapes with a given area I can compare areas of shapes
	Summer	I am Introduced to capacity and volume I can Measure capacity I can Compare capacity I can use the language of full/empty, more than, less than, half, half full, quarter	I can compare mass. I can measure mass in grams. I can measure mass in kilograms. I can compare capacity. I can measure in millilitres. I can measure in litres. I can measure temperature (Celsius).	I can measure mass I can compare mass I can add and subtract mass I can measure capacity I can compare capacity I can add and subtract capacity	I can convert KM to M and M to KM I can find the perimeter of a shape on a grid I can find the perimeter of a rectangle (no grid) I can find the perimeter of rectilinear shapes
	Vocabulary	*Same as Reception plus:* mass volume	*Same as previous year groups plus:* kilogram kg gram g quarter full three quarters full litres l & millilitres ml temperature Celsius		
Fractions	Autumn	**Not taught**	I can make equal parts. I can recognise half. I can find half. I can recognise a quarter. I can find a quarter I can recognise a third. I can find a third.	I can identify unit and non-unit fractions I can make a whole using fractions I can count in tenths and understand value & decimal representation I can find fractions of a set of objects	I can recognise and show, using diagrams, what a fraction is. I can count in fractions I can recognise and write fractions greater than 1

	Spring	I can recognise, find and name a half as 1 of 2 equal parts of an object, shape or quantity	I can identify a unit-fraction. I can identify a non-unit fraction.	I can add fractions with the same denominator I can subtract fractions with the same denominator I can compare fractions I can order fractions	I can recognise and find equivalent fractions I can add 2 or more fractions I can subtract 2 fractions
	Summer	I can recognise, find and name a quarter as 1 of 4 equal parts of an object, shape or quantity.	I can identify the equivalent fractions half and quarter. I can find three quarters. I can count in fractions.	I can place fractions on a number line I can find equivalent fractions	I can subtract from whole amounts I can calculate fractions of a quantity I can complete problem solving questions and calculate quantities
	Vocabulary	*Same as Reception plus:* whole half quarter equal parts	*Same as previous year groups plus:* three quarters third equivalent fractions unit fractions non unit fractions numerator denominator one whole	*Same as previous year groups plus:* tenths	*Same as previous year groups plus:* decimal equivalence hundredths convert proper fractions improper fractions decimal point
Time	**Autumn**	Not taught	Not taught	I can solve problems on months and years I can order events based on the hours in a day I can tell the time to 5 minutes	I can read and write time to Hours, minutes and seconds
	Spring	I can say which day/ month comes before and after I can identify what Date it is I can read and record time to the hour.	I can tell the time to the o'clock and half past. I can tell the time to the quarter past and quarter to. I can tell the time to 5 minutes.	I can tell the time to the nearest minute I can use a.m. and p.m. I can 24-hour clock – what is it and how to use.	I can solve problems involving Years, months, weeks and days
	Summer	I can sequence events in chronological order using language [for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening] I can read and record time to the half hour I can Write times I can compare time.	I can identify the minutes in a hour and the hours in a day. I can find and use durations of time. I can compare durations of time.	I can calculate the duration of something I can compare durations I can calculate start and end times I can measure time in seconds	I can read, write and convert time between analogue and digital 12- and 24-hour clocks I can problem solve with 12 and 24 hour clocks
	Vocabulary	*Same as Reception plus:* chronological order days of the week months of the year month year	*Same as previous year groups plus:* intervals of time quarter past/to duration	*Same as previous year groups plus:* analogue clock roman numerals 12-hour clock 24-hour clock a.m./p.m.	*Same as previous year groups plus:* convert

		o'clock half past second		noon midnight leap year digital	
Money	**Autumn**	Not taught	Not taught	I can add and subtract using pounds and pence I can convert between pounds and pence	I can count, and compare money in pounds and pence I can order money and different amounts
	Spring	I can recognise coins and notes and know their value.	I can count money in pence. I can count money in pounds (using notes and coins). I can count money in notes and coins. I can select the correct money needed. I can make the same amount.	I can add money – pounds and pence I can subtract money -pounds and pence	Not taught
	Summer	I can use coins to make amounts.	I can compare money. I can find the total. I can find the difference. I can find change. I can complete two-step problems.	I can give change accurately I can solve problems relating to money	I can estimate amounts of money I can use the four operations
	Vocabulary	*Same as Reception plus:* money coins notes pounds £ pence p	*Same as previous year groups plus:* value change		
Statistics	**Autumn**	Not taught	Not taught	Not taught	Not taught
	Spring	Not taught	I can make tally chart. I can draw a pictogram (1-1). I can interpret a pictogram (1-1) I can draw pictograms (2, 5, and 10). I can interpret pictograms (2, 5 and 10). I can make and interpret block diagrams.	I can interpret pictograms I can create my own pictograms	Not taught
	Summer	Not taught	Not taught	I can Interpret tables and answer questions I can research and find own data I can present data in a table	I can interpret charts I can solve comparison, sum & difference problems I can read and interpret line graphs and plot my own graph using given data. I can compare and problem solve the data from line graphs

	Vocabulary		*Same as previous year groups plus:* pictograms tally chart block diagram category sorting totalling comparing horizontal vertical	*Same as previous year groups plus:* table bar chart one-step problem two-step problem	*Same as previous year groups plus:* time graph discrete data continuous data line graph comparison problem sum problem difference problem calculate interpret
Decimals & Percentages	**Autumn**	Not taught	Not taught	Not taught	Not taught
	Spring	Not taught	Not taught	Not taught	Not taught
	Summer	Not taught	Not taught	Not taught	Not taught
Times table focus	**Weekly**	Not taught	2, 5 and 10	3, 4 and 8	6, 7, 9 and final facts from 11 and 12 x table