Maths Progression Document

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Place Value					
use the language of: equal to, more than, less than (fewer), most, least	compare and order numbers from 0 up to 100; use <, > and = signs	compare and order numbers up to 1000	order and compare numbers beyond 1000	read, write, order and compare numbers to at least 1 000 000	read, write, order and compare numbers up to 10 000 000 and determine the value of each digit
Addition and Subtraction					
Number bonds to 20 Read, write and solve using addition (+), subtraction (-) and equals (=) signs	recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100, add and subtract up to 3 digit numbers	+ and - numbers with up to three digits, using formal written methods of columnar addition and subtraction	+ and - numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate	+ and - whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)	use their knowledge of the order of operations to carry out calculations involving the 4 operations including decimals
Multiplication and division					
Doubling, fives and 10 times tables	calculate mathematical statements for multiplication and division within the multiplication tables	write and calculate mathematical statements for multiplication and division using the multiplication tables that they know	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 formal written methods	multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written methods
Fractions					
Recognize and name a half and a whole	Recognize and name 1/3 ¼ 2/4 ¾ and know that ½ or a group/ set of objects	add and subtract fractions with the same denominator within whole	add and subtract fractions with the same denominator; count tenths	Use four operations on proper fractions, find decimal equivalents, recognise mixed numbers	Identify decimals to 3dp, + and – using fractions equivalents, convert improper and proper fractions
Ratio					
					solve problems involving ratio
Measurement					
Record, compare, describe and solve practical problems for: lengths and heights, mass/weight, capacity and volume, time	Record, compare, describe and solve practical problems for: lengths and heights, mass/weight, capacity and volume, time	Record, compare, describe and solve practical problems for: lengths and heights, mass/weight, capacity and volume, time	Record, compare, describe and solve practical problems for: lengths and heights, mass/weight, capacity and volume, time	Record, compare, describe and solve practical problems for: lengths and heights, mass/weight, capacity and volume, time	Record, compare, describe and solve practical problems for: lengths and heights, mass/weight, capacity and volume, time

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Geometry					
describe position, direction and movement, including half, quarter and three-quarter turns.	use mathematical vocabulary to describe position, direction and movement arrange and combine objects and sequences		Describe movements on 2D grid and plot points	Describe, Reflect and translate shapes,	Describe shapes on a full grid, Draw and translate simple shapes

Statistics					
	interpret and construct simple pictograms, tally charts, block diagrams and simple tables	interpret and present data using bar charts, pictograms and tables and solve problems	interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs and solve problems	complete, read and interpret information in tables, including timetables and solve problems	interpret and construct pie charts and line graphs and use these to solve problems

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