Mathematics Curriculum Progression Map

Number: Algebra

EYFS		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
3-4 Year olds	**Reception**						
Equations							
		Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = □ - 9 (cross reference - Addition and Subtraction)	*Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and missing number problems. (cross reference - Addition and Subtraction)*	*Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction. (cross reference - Addition and Subtraction)* *Solve problems, including missing number problems, involving*		*Use the properties of rectangles to deduce related facts and find missing lengths and angles (cross reference- Geometry: Properties of Shapes)*	Express missing number problems algebraically

			multiplication and division, including integer scaling (cross reference - Multiplication and Division)			
		Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 (cross reference - Addition and Subtraction)				Find pairs of numbers that satisfy number sentences involving two unknowns
	Represent and use number bonds and related subtraction facts within 20 (cross reference - Addition and Subtraction)					Enumerate all possibilities of combinations of two variables
Formulae						
				Perimeter can be expressed algebraically as		Use simple formulae

				2(a + b) where a and b are the dimensions in the same unit. (cross reference - Non-Statutory Guidelines measurement)		Recognise when it is possible to use formulae for area and volume of shapes (cross reference - Measurement)
			Sequencing			
		Sequence events in chronological order using language such as: before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening (cross reference - Measurement)	Compare and sequence intervals of time (cross reference - Measurement) Order and arrange combinations of mathematical objects in patterns (cross reference - Geometry: position and direction)			Generate and describe linear number sequences