Maths Progression Map for Algebra

	Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Equations	Show 'Finger' numbers up to five. Subitise up to three objects.	Subitise Automatically recall number bonds 0-5 and some to 10.	solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and **missing number problems** such as 7 = □ - 9	recognise and use the inverse relationship between addition and subtraction and use this to check calculations and **missing number** problems.	solve problems, including **missing number** problems, using number facts, place value, and more complex addition and subtraction. (copied from Addition and Subtraction)		use the properties of rectangles to deduce related facts and find **missing lengths and angles**	express missing number problems algebraically
					solve problems, including **missing number** problems, involving multiplication and division, including integer scaling			
				recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100				find pairs of numbers that satisfy number sentences involving two unknowns

			represent and use number bonds and related subtraction facts within 20 (copied from Addition and Subtraction)				enumerate all possibilities of combinations of two variables
Formulae						Perimeter can be expressed algebraically as 2(a + b) where a and b are the dimensions in the same unit. (Copied from NSG measurement)	use simple formulae recognise when it is possible to use **formulae** for area and volume of shapes
Sequences	Talk about and recreate patterns around them. For example: stripes on clothes, designs on rugs or wallpaper. Extend and recreate ABAB patterns, stick leaf stick leaf.	Continue copy and recreate patterns.	sequence events in chronological order using language such as: before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening	compare and sequence intervals of time order and arrange			generate and describe linear number sequences

	Notice and correct an error in a repeating pattern. Begin to describe a sequence of events using words such as "first" "then" etc.			combinations of mathematical objects in patterns			