Algebra

EQUATIONS							
EYFS	**ELG**	**Year 1**	**Year 2**	**Year 3**	**Year 4**	**Year 5**	**Year 6**
continue, copy and create repeating patterns automatically recall number bonds for numbers 0 -10 explore the composition of numbers to 10 identifying missing numbers from number lines up to 10	have a deep understanding of numbers to 10, including the composition of each number automatically recall number bonds to 5 and some number bonds to 10 including double facts explore and represent patterns within numbers to 10, including evens and odds, double facts and how quantities can be distributed equally	*solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and **missing number problems** such as 7 = □ - 9* (NC objective from Addition and Subtraction)	*recognise and use the inverse relationship between addition and subtraction and use this to check calculations and **missing number problems**.* (NC objective from Addition and Subtraction)	*solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.* (NC objective from Addition and Subtraction) *solve problems, including **missing number** problems, involving multiplication and division, including integer scaling* (NC objective from Multiplication and Division)		*use the properties of rectangles to deduce related facts and find **missing lengths and angles*** (NC objective from Geometry: Properties of Shapes)	express missing number problems algebraically
			recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 (NC objective from 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 (NC objective from Addition and Subtraction)					enumerate all possibilities of combinations of two variables

Algebra

FORMULAE							
					Perimeter can be expressed algebraically as 2(a + b) where a and b are the dimensions in the same unit. (NC objective *from NSG measurement*)		use simple formulae
							*recognise when it is possible to use **formulae** for area and volume of shapes* (NC objective from Measurement)

SEQUENCES							
		sequence events in chronological order using language such as: before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening (NC objective from Measurement)	*compare and sequence intervals of time* (NC objective from Measurement)				generate and describe linear number sequences
			order and arrange combinations of mathematical objects in patterns (NC objective from Geometry: position and direction)				