Algebra

EYFS
Pattern
Continuing an AB and ABC pattern
Copying an AB pattern
Make their own AB, ABB and ABBC patterns
Spotting an error in an AB pattern and an ABB pattern
Identifying the unit of repeat
Continuing a pattern that ends mid unit
Symbolising the unit structure e.g. this is a red blue pattern or using symbols to represent the pattern
Generalising structures to another context or mode – finding the rule of the pattern
Making a pattern that repeats around a circle
Making a pattern around a border with a fixed number of spaces

EQUATIONS					
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
*solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and **missing number problems** such as 7 = □ - 9* (copied from Addition and Subtraction) Autumn 2 Spring 1	*recognise and use the inverse relationship between addition and subtraction and use this to check calculations and **missing number** problems.* (copied from Addition and Subtraction) Autumn 2	solve problems, *including **missing number** problems, using number facts, place value, and more complex addition and subtraction.* (copied from Addition and Subtraction) Autumn 2		*use the properties of rectangles to deduce related facts and find **missing lengths and angles*** (copied from Geometry: Properties of Shapes) Summer 2	express missing number problems algebraically Spring 3
		solve problems, including **missing number** problems, involving multiplication and division, including integer scaling (copied from Multiplication and Division) Autumn 4 Spring 1			
	recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 (copied from Addition and Subtraction) Autumn 2				find pairs of numbers that satisfy number sentences involving two unknowns Spring 3
represent and use number bonds and related subtraction facts within 20 (copied from Addition and Subtraction) Autumn 2 Spring 1					enumerate all possibilities of combinations of two variables Spring 3

FORMULAE					
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
			Perimeter can be expressed algebraically as 2(a + b) where a and b are the dimensions in the same unit. (Copied from NSG measurement) Autumn 3 Spring 2		use simple formulae Spring 3
					*recognise when it is possible to use **formulae** for area and volume of shapes (copied from Measurement)* Spring 5
SEQUENCES					
sequence events in chronological order using language such as: before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening (copied from Measurement) Summer 6	*compare and sequence intervals of time (copied from Measurement)* Summer 3				generate and describe linear number sequences Spring 3
	order and arrange combinations of mathematical objects in patterns (copied from Geometry: position and direction) Spring 3 Summer 1				