Algebra

EQUATIONS							
Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
know the missing part in number bonds to 5.	know the missing part in number bonds to 10.	solve one-step **missing number** problems that involve addition and subtraction, using concrete objects and pictorial representations	recognise and use the inverse relationship between addition and subtraction to work out **missing number** problems.	solve **missing number** problems, using number facts, place value, and more complex addition and subtraction. solve **missing number** problems, involving multiplication and division, including integer scaling		use the properties of rectangles to find **missing lengths and angles**	express missing number problems algebraically
							find pairs of numbers that satisfy number sentences involving two unknowns
							enumerate all possibilities of combinations of two variables

Algebra

FORMULAE							
Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
					Express perimeter algebraically as 2(a + b) where a and b are the dimensions in the same unit.		use simple formulae recognise when it is possible to use **formulae** for area and volume of shapes

SEQUENCES							
Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
talk about and identify patterns around them using informal language extend and create ABAB patterns notice and correct errors in repeating patterns	continue, copy and create repeating patterns explore and represent patterns within numbers up to 10	describe and complete sequences and patterns within year 1 criteria	describe and complete sequences and patterns within year 2 criteria	describe and complete sequences and patterns within year 3 criteria	describe and complete sequences and patterns within year 4 criteria	describe and complete sequences and patterns within year 5 criteria	understand additive and multiplicative relationships between numbers generate and describe linear number sequences
			order and arrange combinations of mathematical objects in patterns				