Our Lady & St. Edward's Catholic Primary School

Algebra

EQUATIONS								
F1	F2	Early Learning Goals	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Experiment with their own symbols and marks as well as numerals	Continue, copy and create repeating patterns	Have a deep understanding of numbers to 10, including the composition of each number	*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)	*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)	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*** (copied from Geometry: Properties of Shapes)	express missing number problems algebraically
Solve real world mathematical problems with numbers up to 5	Automatically recall number bonds for numbers 0 -10	Automatically recall number bonds to 5 and some number bonds to 10 including double facts			*solve problems, including* ***missing number*** *problems, involving multiplication and division, including integer scaling* (copied from Multiplication and Division)			
Talk about and identifies the patterns around them e.g. stripes on clothes, designs on rugs and wallpaper (use informal language)	Explore the composition of numbers to 10 Identifying missing numbers from number lines up to 10	Explore and represent patterns within numbers to 10, including evens and odds, double facts and how quantities can be distributed equally		*recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100* (copied from Addition and Subtraction)				find pairs of numbers that satisfy number sentences involving two unknowns

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Extend and create ABAB patterns Notice and correct an error in a repeating pattern			*represent and use number bonds and related subtraction facts within 20* (copied from Addition and Subtraction)					enumerate all possibilities of combinations of two variables

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FORMULAE								
F1	F2	Early Learning Goals	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)*		use simple formulae *recognise when it is possible to use **formulae** for area and volume of shapes* (copied from Measurement)
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)	*compare and sequence intervals of time* (copied from Measurement) *order and arrange combinations of mathematical objects in patterns* (copied from Geometry: position and direction)				generate and describe linear number sequences