Maths Progression of Skills (based on White Rose and Power Maths)

	F1	F2	ELG	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Algebra	Experiment with their own symbols and marks as well as numerals. (Autumn/Spring/ Summer) Solve real world mathematical problems with numbers up to 5(Autumn/Spring /Summer) Talk about and identify the patterns around them. Eg stripes on clothes, designs on rugs and wallpaper (use informal language) (Autumn Term) Extend and create ABAB patterns Notice and correct an error in a repeating pattern. (Autumn Term) Begin to describe a sequence of	Continue, copy and create repeating patterns (Autumn/Summe r Term) Automatically recall number bonds for numbers 0 -10 (Spring/Summer Term) Explore the composition of numbers to 10 (Autumn/Spring Term)	**Have a deep understan ding of number to 10, including the compositi on of each number;** **Automatic ally recall number bonds up to 5 (including subtractio n facts) and some number bonds to 10, including double facts.** **Explore and represent patterns within numbers up to 10, including evens and**	*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) *Sequence events in chronological order using language such as: before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening* (copied from measurement) *Represent and use number bonds and related subtraction facts within 20* (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) *Compare and sequence intervals of time* (copied from measurement *Order and arrange combinations of mathematical objects in patterns* (copied from geometry: position and direction) *Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100* (copied from	Solve problems, *including* ***missing number*** *problems, using number facts, place value, and more complex addition and subtraction.* (copied from addition and subtraction) *Solve problems, including* ***missing number*** *problems, involving multiplication and division, including integer scaling* (copied from Multiplication and division)	*Perimeter can be expressed algebraically as 2(a + b) where a and b are the dimensions in the same unit. (copied from measurement)*	*Use the properties of rectangles to deduce related facts and find* ***missing lengths and angles*** (copied from geometry: properties of shapes)	Use simple formula Generate and describe linear number sequences Express missing number problems algebraically Find pairs of numbers that satisfy an equation with two unknowns Enumerate possibilities of combinations of two variables

	events , real or fictional, using words such as “first” “then” (Autumn/Spring Term)		**odds, double facts and how quantities can be distributed equally.**		addition and subtraction)				