



Longfield Learning Journey



Key Stage 3 Extend	Unit 8 – Year 8 Number Patterns	Term: 2.2		
Key Words:	Prerequisites	R	A	G
Expression, variables, substitution, sequence, pattern, formula, arithmetic, geometric, nth term, Fibonacci sequence, term, position.	Be able to calculate difference between two numbers			
	Be able to substitute into algebraic expressions and formulae			
	Be able to solve equations			

	Content: Number Patterns	R	A	G
8.1 Number Patterns and Sequences	Recognise number patterns and sequences			
	Find terms of a sequence using a term-to-term rule			
	Recognise arithmetic and geometric sequences			
8.2 General Term of a Sequence	Find terms of a sequence using a position-to-term rule			
	Find the formula for the general (nth) term of an arithmetic sequence			
	Solve problems involving number patterns and sequences			

K <i>What you know</i>	W <i>What you want to know</i>	L <i>What have you learned</i>