



Longfield Learning Journey



Key Stage 4 HIGHER	Unit of work: – Sequences			
Key Words:	Prerequisites	R	A	G
Sequences, term, position, square, cube, Fibonacci, arithmetic, geometric, quadratic	Calculate the difference between pairs of numbers.			
	Understand and calculate multiples.			
	Substitute numerical values into expressions.			

	Content:	R	A	G
A23	Generate terms of a sequence from either a term-to-term or a position to term rule.			
A25	Deduce expressions to calculate the nth term of linear sequences.			
A24	Recognise and use sequences of triangular, square and cube numbers, simple arithmetic progressions, Fibonacci type sequences, quadratic sequences, and simple geometric progressions.			
A25	Deduce expressions to calculate the nth term of quadratic sequences.			
A24	Recognise and use sequences of triangular, square and cube numbers and simple arithmetic progressions.			
A24	Recognise Fibonacci type sequences, quadratic sequences, and simple geometric progressions. (r^n where n is an integer, and r is a rational number >0 or a surd) and other sequences.			

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