Longfield Learning Journey

Key Stage 4 HIGHER	Unit of work: Formulae and functions– Unit 6	

Key Words:	Prerequisites Green core – Blue extend	R	A	G
Expression, equation, identity, expression, function, inverse, composite, difference of two squares, binomial.	Find the HCF of a set of numbers.			
	Write statements as algebraic expressions.			

	Content: **Formulae and functions** - Unit 6	R	A	G
A2	Substitute numerical values into formulae and expressions.			
A5	Understand the use of mathematical formulae.			
A5	Rearrange formulae to change the subject.			
A7	Interpret simple expressions as functions with inputs and outputs.			
A7	Interpret the reverse process as the 'inverse function'.			
A7	Interpret the succession of two functions as a 'composite function'.			
A3	Understand and use the concepts and vocabulary of expressions, equations, formulae, identities and inequalities.			
A6	Argue mathematically to show algebraic expressions are equivalent.			
A6	Use algebra to support and construct arguments and proofs.			
A4	Expand products of two or more binomials.			
A4	Factorising quadratic expressions, including the difference of two squares.			
A4	Simplify and manipulate algebraic expressions involving algebraic fractions.			

K	W	L
What you know	*What you want to know*	*What have you learned*