



# Longfield Learning Journey



<b>Key Stage 4 Foundation</b>	<b>Unit of work: Equations and Inequalities</b>			
<b>Key Words:</b>	<b>Prerequisites</b>	<b>R</b>	<b>A</b>	<b>G</b>
Index, simplify, coefficient, factors, form, bracket, expand, equation, formula/formulae, simultaneous, quadratic	Understand multiplication and division facts.			
	Simplify algebraic expressions.			
	Substitute numerical values into formulae and expressions.			

	<b>Content: Equations and Inequalities – Unit 10</b>	<b>R</b>	<b>A</b>	<b>G</b>
A17	Solve linear equations in one unknown algebraically			
A21	Derive and solve an equation from a real-life or contextual situation and interpret the solution.			
A17	Solve linear equations in one unknown algebraically (including those with the unknowns on both sides of the equation)			
A21	Derive and solve simultaneous equations from a real-life or contextual situation and interpret the solution.			
A18	Solve quadratic equations algebraically by factorising			
A19	Solve two simultaneous equations in two variables (linear/linear) algebraically; find approximate solutions using a graph.			
A21	Derive and solve simultaneous equations from a real-life or contextual situation and interpret the solution.			
A22	Solve linear inequalities in one variable; represent the solution set on a number line			

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