



Longfield Learning Journey



Key Stage 4 HIGHER	Unit of work: Equations and Inequalities			
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Key Words:	Prerequisites	R	A	G
Translate, reflect, simultaneous equations, factorise, complete the square, iteration, variable, inequality, linear, quadratic.	Apply the four operations (+, -, x, ÷) to fractions.			
	Expand brackets and collect like terms.			
	Factorise expressions.			

	Content: Equations and Inequalities - Unit 10	R	A	G
A17	Solve linear equations with one unknown (including unknowns on both sides)			
A21	Translate simple situations or procedures into algebraic expressions or formulae; derive an equation (or two simultaneous equations), solve the equation(s) and interpret the solution.			
A18	Solve quadratic equations by factorising.			
A18	Solve quadratic equations by completing the square.			
A18	Solve quadratic equations by using the quadratic formula.			
A19	Solve two simultaneous equations (linear and quadratic) algebraically			
A19	Find approximate solution using a graph.			
A20	Find approximate solutions to equations using iteration.			
A22	Solve linear inequalities in one or two variables			
A22	Solve quadratic inequalities in one variable.			
A22	Represent the solution set on a number line, using set notation and/or a graph.			

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