Curriculum Map	Subject: Mathematics		
Theme / Area Covered	Unit 12 Solving Equations		
	Age Related Targets – Year 7	Age Related Targets – Year 8	Age Related Targets – Year 9
Key Objectives / Learning Pathway **Emerging**	Use function machines to find unknowns Recognise and use inverse operations.	Express and solve missing number problems algebraically Know the basic rules of algebraic notation Use the basic rules of algebraic notation Find pairs if numbers that satisfy an equation with two unknowns eg: a + b = 15	Solve one step equations when the solution is a positive integer or fraction Solve two step equations when the solution is a positive integer or fraction Solve three step equations when the solution is a positive integer or fraction Solve multi step equations including the use of brackets when the solution is a positive integer or fraction Solve equations when the solution is a positive integer or fraction
Key Objectives / Learning Pathway **Developing**	Express and solve missing number problems algebraically Know the basic rules of algebraic notation Use the basic rules of algebraic notation Find pairs if numbers that satisfy an equation with two unknowns eg: a + b = 15	Solve one step equations when the solution is a positive integer or fraction Solve two step equations when the solution is a positive integer or fraction Solve three step equations when the solution is a positive integer or fraction Solve multi step equations including the use of brackets when the solution is a positive integer or fraction Solve equations when the solution is a positive integer or fraction	Solve linear equations with unknowns on one side when calculating with negative numbers is required Solve linear equations with unknowns on both sides when the solution is a whole number Solve linear equations with unknowns on both sides when the solution is a fraction
Key Objectives / Learning Pathway **Securing**	Solve one step equations when the solution is a positive integer or fraction Solve two step equations when the solution is a positive integer or fraction Solve three step equations when the solution is a positive integer or fraction Solve multi step equations including the use of brackets when the solution is a positive integer or fraction Solve equations when the solution is a positive integer or fraction	Solve linear equations with unknowns on one side when calculating with negative numbers is required Solve linear equations with unknowns on both sides when the solution is a whole number Solve linear equations with unknowns on both sides when the solution is a fraction	Solve linear equations with unknowns on both sides when the solution is a negative number Solve linear equations with unknowns on both sides when the equation involves brackets. Recognise that the point of intersection of two graphs corresponds with the solution of a connected equation
Key Objectives / Learning Pathway	Solve linear equations with unknowns on one side when calculating with negative	Solve linear equations with unknowns on both sides when the solution is a negative number	Find the set of integers that are solutions to an inequality, including the use of set notation

Excelling	numbers is required Solve linear equations with unknowns on both sides when the solution is a whole number Solve linear equations with unknowns on both sides when the solution is a fraction	Solve linear equations with unknowns on both sides when the equation involves brackets. Recognise that the point of intersection of two graphs corresponds with the solution of a connected equation	Know how to show a range of values that solve an inequality on a number line Solve a simple linear inequality in one variable with unknowns on one side