

# Year 9

## Half Term 4: Equations and Inequalities

What will I be working on this half term?

1. Construct and solve equations and inequalities
2. Solve equations and inequalities using graphs
3. Quadratic and other graphs

<b>PINS 1</b>	
<b>PINS 2</b>	

Pre-learning assessment score (%)			
Part 1	Part 2	Part 3	Part 4

### UNIT 12 Linear equations and inequations



MM:A:AM: Simplifying 1 & 2	
MM:A:EL: Equations—1 step	
MM:A:EL: Equations 2,3,4,5	
MM:A:I: Inequalities and intervals	
MM:A:I: Inequations, negative inequations	
MM:A:EL: Equation pairs	



Post learning assessment

### UNIT 13 Simultaneous equations



MM:A:G: Plotting lines	
MM:A:ES: Simultaneous equations 1, 2	
MM:A:ES: Simultaneous equations 3. negatives	
MM:A:ES: Solving equations graphically	
<b>Nrich:</b> Simultaneous equations sudoku	



<b>Peer assessment</b>	
<b>Self assessment</b>	

### UNIT 14 Quadratic and other graphs



MM:A:G: Plotting graphs 3—quadratics	
MM:A:G: Plotting graphs 4, non linear, reciprocals, Solving problems with graphs	
MM:A:G: Plotting graphs exponentials, recognising graphs	
MM:A:G: Plotter	



Key	
MM:A:AM	Mymaths:Algebra:Algebraic manipulation
MM:A:EL	Mymaths:Algebra:Equations-linear
MM:A:I	Mymaths:Algebra:inequalities
MM:A:ES	Mymaths:Algebra:Equations Simultaneous
MM:A:G:	Mymaths:Algebra:Graphs