



Year 7- Algebraic Thinking		Term 1	Mastery Maths
Stage	Description		
	Section A Prerequisites	Section B Sequences	Section C Equality and Equivalence
Emerging	<ul style="list-style-type: none"> Can recall multiples up to 12x12. Can identify the place value of numbers, including decimal values. 	<ul style="list-style-type: none"> Can add and subtract up to 3 digit numbers. Can add and subtract numbers including decimals. 	<ul style="list-style-type: none"> Understand how to calculate the perimeter of a shape. Can find the perimeter of regular and irregular polygons.
Developing	<ul style="list-style-type: none"> Can use an understanding of equivalence to help with equivalent calculations. Can represent equivalence using bar modelling. 	<ul style="list-style-type: none"> Can identify the rule for continuing a sequence. Can identify the difference between a linear and non-linear sequence. 	<ul style="list-style-type: none"> Understand the use of algebraic notation. Understand how to substitute into an equation. Can input into algebraic function machines.
Secure		<ul style="list-style-type: none"> Can use reasoning to predict the outcome of sequences. Can generate a sequence from an algebraic rule. 	<ul style="list-style-type: none"> Can use bar modelling to solve equations. Can collect like terms.
Excellence		<ul style="list-style-type: none"> Can recognise a linear sequence from an algebraic rule. Represent sequences on a graph and link linearity (connect $y = 2x + 1$ and the sequence $2a + 1$). 	<ul style="list-style-type: none"> Can use equivalence using the four operations. Can substitute into harder equations involving BIDMAS. Can solve multistep equations.