



Year 7

Term 4

Stage	Description		
	Section A Using Formulae	Section B Simplifying Expressions	Section C Equations
Emerging	<ul style="list-style-type: none">Use simple formulae written in wordsCreate simple formulae written in wordsWrite an algebraic expression.Use letters to represent variables.	<ul style="list-style-type: none">Know the meaning of expression, term, formula, equation, function.Identify like terms in an expression	<ul style="list-style-type: none">Choose the required inverse operation when solving an equationIdentify the correct order of undoing the operations in an equation
Developing	<ul style="list-style-type: none">Recognise a simple formula written in wordsInterpret the information given in a written formula.	<ul style="list-style-type: none">Can write/simplify an expression as a single term.Simplify expressions by collecting like terms.	<ul style="list-style-type: none">Solve one-step equations when the solution is a whole number (fraction)Solve two-step equations (including the use of brackets) when the solution is a whole number
Secure	<ul style="list-style-type: none">Substitute numbers into a one-step formula written in words.Substitute numbers into a two-step formula written in words.Substitute positive numbers into expressions and formulae.	<ul style="list-style-type: none">Use the order of operations correctly in algebraic situations.Students have an understanding of the laws of indices and can use this to simplify an expression.	<ul style="list-style-type: none">Solve two-step equations (including the use of brackets) when the solution is a fraction.Check the solution to an equation by substitution
Excellence	<ul style="list-style-type: none">Create a one-step formula from given information.Create a two-step formula from given information.Solve missing number problems expressed in words	<ul style="list-style-type: none">Students can form expressions for increasingly difficult compound shapes, to depict perimeter and or area.	<ul style="list-style-type: none">Solve missing number problems expressed algebraically.Students can use knowledge of shapes and other mathematical facts to inform their ability to set up an equation, which can then be solved.