



Longfield Learning Journey



Key Stage 4 Foundation	Unit of work: Formulae and Functions – Unit 6	Term: 2.2		
Key Words:	Prerequisites	R	A	G
Factor, common, bracket, expand, simplify, unknown, coefficient, equation, expression, formula, identity, term, like term, subject	Use BIDMAS in multi-stage calculations.			
	Multiply a single term over a bracket.			
	Take out common factors in an expression.			

	Content: Formulae and Functions – Unit 6 CORE EXTENTION	R	A	G
A2	Substitute numerical values into formulae and expressions, including scientific formulae.			
A5	Understand and use standard mathematical formulae; rearrange formulae to change the subject.			
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A5	Understand and use standard mathematical formulae; rearrange formulae to change the subject			
A7	Where appropriate, interpret simple expressions as functions with inputs and outputs			
A3	Understand and use the concepts and vocabulary of expressions, equations, formulae, identities, inequalities, terms and factors			
A6	Know the difference between an equation and an identity; argue mathematically to show algebraic expressions are equivalent and use algebra to support and construct arguments.			
A4	Simplify and manipulate algebraic expressions by expanding products of two or binomials and factorising quadratic expressions in the form $x^2 + bx + c$.			

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