



# Longfield Learning Journey



<b>Key Stage 4 HIGHER</b>	<b>Unit of work: Expressions</b>	<b>Term: 1:1</b>		
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<b>Key Words:</b>	<b>Prerequisites</b>	<b>R</b>	<b>A</b>	<b>G</b>
Indices, substitution, expressions, equations, formulae, terms, expand, factorise	Use mental methods to multiply and divide positive and negative integers.			
	Understand the order of operations.			
	Find the highest common factor of number pairs.			

	<b>Content: Expressions - Unit 2</b>	<b>R</b>	<b>A</b>	<b>G</b>
A1	Use and interpret algebraic notation			
A3	Understand and use the vocabulary of expressions, equations, formulae, terms and factors.			
A4	Simplify expressions by collecting like terms.			
A2	Substitute values into expressions.			
A4	Simplify expressions, including the laws of indices.			
A4	Use laws of indices including negative and fractional powers.			
A4	Multiply a single term over a bracket.			
A4	Simplify and manipulate algebraic expressions by taking out common factors.			
A4	Simplify and manipulate (Algebraic fractions) by collecting like terms, multiplying a single term over a bracket and taking out common factors.			

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