



# Longfield Learning Journey



<b>Key Stage 4 HIGHER</b>	<b>Unit of work:– Powers and Roots</b>			
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<b>Key Words:</b>	<b>Prerequisites Green core – Blue extend</b>	<b>R</b>	<b>A</b>	<b>G</b>
numerator, denominator, fraction, percentage, increase, decrease, ratio, simplify, proportion,	Calculate with fractions, percentages and decimals.			
	Convert between fractions, percentages and decimals.			
	Write ratios in their simplest form			

	<b>Content:</b>	<b>R</b>	<b>A</b>	<b>G</b>
R3	Express one quantity as a fraction of another.			
R9	Interpret percentages and percentage changes as a fraction or a decimal.			
R9	Express one quantity as a percentage of another.			
R4	Use ratio notation, including reduction to simplest form.			
R5	Divide a quantity into a given ratio.			
R7	Understand and use proportion as equality of ratios.			
R9	Compare two quantities using percentages.			
R9	Solve problems involving percentage change, including percentage increase/decrease and original value problems, and simple interest including in financial mathematics.			

<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>