



# Longfield Learning Journey



<b>Key Stage 3 Core</b>	<b>Unit 3 – Year 8 Ratio, Rate and Speed</b>	<b>Term: 1.2</b>		
<b>Key Words:</b>	<b>Prerequisites</b>	<b>R</b>	<b>A</b>	<b>G</b>
Ratio, compare, relationship, fraction divide, quantity, scale, rate, compound measures, units.	Being able to calculate with fractions.			
	Writing equations to solve problems			
	Multiplying by powers of 10.			

	<b>Content: Ratio, Rate and Speed</b>	<b>R</b>	<b>A</b>	<b>G</b>
3.1 Integer Ratios	Use ratio notation			
	Compare quantities by ratio			
	Describe the relationship between ratio and fraction			
	Divide a quantity in a given ratio			
3.2 All Kinds of Ratios	Solve problems involving ratio			
3.3 Scale Plans and Maps	Understand and use the scale of a map or plan			
3.4 Rate	Solve problems involving rate in daily life			
3.5 Speed	Recognise the relationships between distance, time and speed			
	Write speed in different units and convert it from one unit to another			
	Recognise the concepts of constant speed and average speed			
	Solve problems involving speed			

<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>