



Longfield Learning Journey



Key Stage 3 Extend	Unit 12 – Year 8 Statistical Graphs	Term: 3.2		
Key Words:	Prerequisites	R	A	G
Frequency, graph, construct, analyse, interpret, describe, statistics, data, explain, correlation, outliers	Be able to measure angles.			
	Be able to draw and interpret pictograms.			
	Be able to draw and interpret bar charts.			
	Be able to calculate the equation of a straight line.			

	Content: Statistical Graphs	R	A	G
12.1 Line Graphs	Construct, analyse and interpret line graphs			
12.2 Pie Charts	Construct, analyse and interpret pie charts			
12.3 Use and Misuse of Statistical Graphs	Describe the purposes and appropriateness of use of the different forms of statistical representation, including pictograms and bar charts			
	Explain why a given statistical diagram can lead to misinterpretation of data			
12.4 Scatter Graphs	Construct, analyse and interpret scatter graphs			
	Describe types of correlation for a scatter graph			
	Draw a line of best fit on a scatter graph and use it to estimate data values			
	Find the equation of a given line of best fit			
	Identify and explain outliers			

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