


Subject	Year	Month	
Mathematics	10	January	
Topic:			
Scatter graphs			4 lessons
Content (Intent)			
Prior Learning Year 9 Scatter graphs December		Future Learning	
Objectives <ul style="list-style-type: none"> • Draw scatter graphs and draw on the line of best fit by eye • Distinguish between positive, negative and no correlation and interpret it in terms of the problem. • Understand that correlation does not imply causality; • Interpret points on a scatter graph, identify outliers and ignore them on scatter graphs; • Draw on a line of best fit and use it to predict values of a variable given values of the other variable; • Use the line of best fit make predictions; interpolate and extrapolate apparent trends and state how reliable their predictions are, i.e. not reliable if extrapolated. 			
Pedagogical notes (implementation)		How will understanding be assessed & recorded (Impact)	
<p>Students need to be constantly reminded of the importance of drawing a line of best fit. Support with copy and complete statements, e.g. as the ___ increases, the ___ decreases.</p> <p>Statistically the line of best fit should pass through the coordinate representing the mean of the data. Students should label the axes clearly, and use a ruler for all straight lines and a pencil for all drawing. Remind students that the line of best fit does not necessarily go through the origin of the graph.</p>		End of half term Feb End of Year Year 10 exams in April	
		How can parents help at home?	
		MathsWatch clips Qualification KS3: S8 Qualification KS4: 129	
Further reading/discussion			
Reading / Enrichment	Literacy	Numeracy Links	Careers Links Research analyst (medical, educational, market, management, etc.) Economist Scientist