KS3 Unit 17 Scatter Graphs

Topic/Skill	Definition/Tips	Example
1. Correlation	Correlation between two sets of data means	There is correlation between
	they are connected in some way.	temperature and the number of ice
		creams sold.
2. Causality	When one variable influences another	The more hours you work at a
	variable.	particular job (paid hourly), the higher
		your income from that job will be.
3. Positive	As one value increases the other value	Line of Bed Fit
Correlation	increases.	
		a The second sec
		5- -
		Positive Correlation
4. Negative	As one value increases the other value	
Correlation	decreases.	
		х ж 2- х
		· Outlier
		Negative Correlation
		+
5. No	I here is no linear relationship between	· · · · · · · · · · · · · · · · · · ·
Correlation	the two.	
6 Strong	When two sets of data are closely linked	
Correlation	when two sets of data are closely mixed.	
Contention		
		Strong
		Positive
7 Weak	When two sets of data have correlation but	t
7. Weak	are not closely linked	
Conclation	are not closely mixed.	
		Weak
		Positive
8 Sootton	A graph in which values of two variables	
o. Scatter Graph	A graph in which values of two variables	
Graph	them and see if there is any comparties	
	between them	
	between mem.	
9. Line of Best	A straight line that best represents the	
Fit	data on a scatter graph.	
		xx
10. Outlier	A value that 'lies outside' most of the other	10 Outlier
	values in a set of data.	8
	An outlier is much smaller or much	6
	larger than the other values in a set of data.	4
		0 20 40 60 80 100