Subject	Year		Month	N.	
Mathematics	8		July		
Τορ			bic:		
STATISTICS 9 LESSONS					
Content (Intent)					
Prior Learning		Future Learning			
KS2 : Frequency tables (tallying), bar charts, Y7 June : Averages from a list, bar charts, pie charts, frequency tables		Y9 : Time series, scatter graph, frequency polygon Y10 : All seen diagrams will come back for recap and deeper/further understanding			
Objectives					
<ul> <li>Questionnaire and types of data – (1 lesson) – CLIPS S6, S7</li> <li>Qualitative, Quantitative, Discrete, Continuous</li> <li>Mean, median, mode and range from a list (advantages/disadvantage of each average)</li> <li>Discuss samples</li> </ul>		<ul> <li>Scatter graphs – (2 lessons) – CLIP S8</li> <li>Types of correlation , describing correlation</li> <li>Plotting a scatter graph, interpreting a scatter graph</li> <li>Line of best fit, estimating values</li> </ul>			
Frequency tables & grouping data – (1 lesson) – CLIPS S3, S4			Averages from a table – (2 lessons) – CLIPS S10a, S10b		
them, and making good suggestions for class		<ul> <li>Estimated mean from a grouped table</li> </ul>			
widths)		Mode and median from a table			
Subject specifics: class width, inequality signs		<ul> <li>Modal class and median class from a grouped frequency table</li> </ul>			
Bar charts and histograms – (1 lesson) – CLIPS S2a, S2b		Mixture of diagrams, comparing data – (1 lesson)			
Comparative vs Compound		data			
		Compare same and different diagram types			
Pie charts – (1 lesson) – CLIP S9		Use averages and spread to compare data.			
Find missing values from a given pie chart					
Construct a pie chart					
<ul> <li>Understand that two pie charts can only compared based on proportions if the total is not the same</li> </ul>					
Pedagogical notes (implementation)		How will understanding be assessed & recorded			
		(Impact)			
PowerPoints are prepared for the department		In class assessment			
If there is time and computer resources, we will try to use Excel skills to show quick calculations and sorting		How can parants halp at home?			
functions.		now can parents help at nome:			
		MathsWatch clips (Qualification KS3)			
Further reading/discussion					
Reading / Enrichment	Literacy Qualitative, Quantitative, discrete, continuous, mean, mode, median, range, sample, class, interval, inequality signs, comparative, compound, correlation, positive, negative, line of best fit, spread, etc.		Numeracy Links	Careers Links Research analyst (medical, educational, market, management, etc. ) Economist Geotechnology	