



Year 7		Unit 5		21 Lessons	
Aims: Develop students’ understanding of the nature of statistics and how data can be manipulated and presented. Further the understanding of the concept of an average by introducing median and mode. Allowing students to investigate and compare sets of data and interpret statistics meaningfully.					
Key Skills			Literacy Links:		Numeracy Links:
Simplify a ratio. Use a ratio. Calculate averages and range. Ext: compare distributions. <ul style="list-style-type: none">Excellence - Solve complex proportion problem, such as comparing the sugar concentration in drinks. Use ratio to solve geometric problem, such as angles in a polygon. Interpret continuous data in a grouped frequency table.Secure - Calculate missing numbers in a ratio by comparing with the simplest form. Scale up a recipe. Relate ratio and proportion. Interpret discrete data in a frequency table.Developing - Calculate missing numbers in a ratio by comparing with the simplest form. Divide an amount in a ratio. Calculate the mean of a small data set. Work out the median of a small data set.Emerging - Simplify a ratio. Divide an amount of money in a simple ratio. Find the mode of data.			Key words: Ratio, simplest form, proportion, tally table, frequency, grouped data, mode, median, mean, range.		Embedded throughout.
Assessment			Cross-Curricular Links		
Pre-test at the beginning of the unit to establish prior learning, post-test at the end of the unit to determine progress.			PE: calculate data obtained in sport. Humanities/Science: work with data provided by those departments.		
			SMSC opportunities and British values		
			Financial: divide money in ratio.		
Opportunities for further learning					
Mymaths sections on collecting data, processing data, presenting data from the STATISTICS category as well as the ratio section from the RATIO AND PROPORTION category.					