

Unit 3b: Interpreting and representing data**Year 9 Road Map**

In this unit you will learn about number. The aims are as follows:

LG1: Knowledge

LG2: Application

LG3: Skills

S/N	Level	Learning Goals/Outcomes/Content	Dr Frost Videos	 R	 A	 G
3b Averages and Range						
1	CE	Calculate mean, range, median and mode from a small data set;	207a 207b 207c 132a			
2	SCE	Use a spreadsheet to calculate mean and range, and find median and mode;				
3	CE	Recognise the advantages and disadvantages between measures of average;	207f			
4	SCE	Construct and interpret stem and leaf diagrams (including back-to-back diagrams): find the mode, median, range, as well as the greatest and least values from stem and leaf diagrams, and compare two distributions from stem and leaf diagrams (mode, median, range);	240c 240d 240e 240f			
5	SCE	Calculate the mean, mode, median and range from a frequency table (discrete data);	236a 237a 237b 237c			
6	SCE	Construct and interpret grouped frequency tables for continuous data: for grouped data, find the interval which contains the median and the modal class;	235b 311b 311c			
7	CE	estimate the mean with grouped data; understand that the expression 'estimate' will be used where appropriate, when finding the mean of grouped data using mid-interval values.	312b			
8	CE	Compare the mean and range of two distributions, or median or mode as appropriate;	132d			

Student's comments and questions: