Subject	Year	Month	
Mathematics	10	November	Balcarras From strength to strength

Topic:

Averages and range 3 lessons

Content (Intent)

Prior Learning	**Future Learning**
Year 8 Statistics project June/July	Year 10 Comparing distributions November Year 11 Cumulative frequency & quartiles September

Objectives

- Find mean, median, mode and range from listed data, stem and leaf diagrams and frequency tables and recognise the advantages and disadvantages between measures of average;
- Find estimated mean data (using mid-interval values), group containing median and modal group from grouped frequency tables
- Solve problems involving the means of multiple groups;
- Classify data as discrete or continuous;
- Construct and interpret stem and leaf diagrams (including back-to-back diagrams)

Pedagogical notes (implementation)	How will understanding be assessed & recorded (Impact)
Remind students how to find the midpoint of two numbers. Emphasise that continuous data is measured, i.e. length, weight, and discrete data can be counted, i.e. number of shoes. Students should understand that the expression 'estimate' will be used where appropriate, when finding the mean of grouped data using mid-interval values	**End of half term** Assessment in Dec **End of Year** Mocks in April **How can parents help at home?** **MathsWatch clips (Qualification GCSE)** 6a, 6b 61, 57, 63, 65a 62, 130a, 130b

Further reading/discussion

Reading / Enrichment	**Literacy**	**Numeracy Links**	**Careers Links**
			Statistician Psychologist Business analyst Medical Researcher