Year 10 Foundation

Key Knowledge/Prior Learning KS2/3 and Retrieval and Suggested Starters

- Four operations.
- Percentages.
- Drawing angles

Retrieval and Suggested Starters

- Practicing the fluency of the above skills.
- Interleaving & problem-solving questions involving the above topics.

KS4 National Curriculum - what students will be practicing

- Interpret and construct tables, charts and diagrams, including frequency tables, bar charts, pie charts and pictograms for categorical data, vertical line charts for ungrouped discrete numerical data, and know their appropriate use.
- Includes tables & line graphs for time series data.
- Identify criticisms of data collection methods.
- Interpret, analyse and compare the distributions of data sets from univariate empirical distributions through appropriate graphical representation involving discrete, continuous and grouped data
- Calculate the mean, median, mode & range from a list of data.
- Calculate the mean, median, modal class & range from a table.

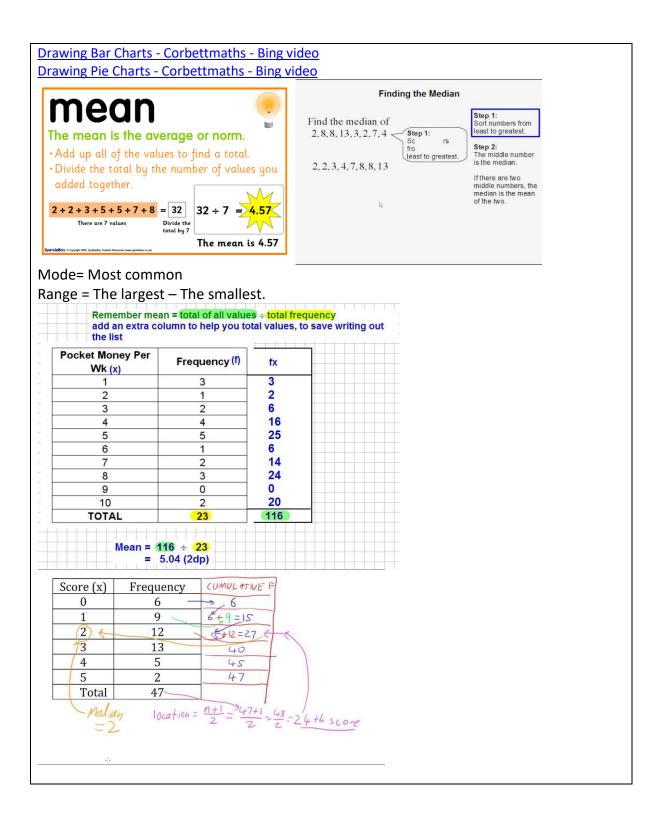
Specific Ambitious Knowledge

- Interleaving topics & problem-solving scenarios.
- Interpretations of what the data means.
- Calculating averages from frequency tables.

Key Vocabulary/Literacy Opportunities

- Mean
- Median
- Mode
- Range
- Modal class
- Frequency
- Time series
- Pie chart
- Pictogram

Key Formulae/Knowledge:



Cross Curricular Links

- Links to science & statistics.
- Real life links to many careers/further education qualifications.

Student' Thinking

Projects/Enrichment/Investigations

Litov's Mean Value	How Would You Score		For Richer for
<u>Theorem</u>	<u>It?</u>	Wipeout	<u>Poorer</u>
M, M and M	Half a Minute		
Searching for Mean(ing)	Unequal Averages		
Statistical Shorts			
About Average			
Substitution Cipher	Who's the Best?	Tree Tops	
		What's the Weather	
	Olympic Records	Like?	
Shared docume	ents/Maths/Projects/Pr	oblem-solving card	
sorts.	•	-	