YEAR 9	Edexcel GCSE (9-1) Mathematics Foundation		
TERM	UNIT / LESSON	PRIOR KNOWLEDGE / SUPPORT CONTENT (N&S 3)	LEARNING INTENTIONS
Key: Italic specification references are assumed prior knowledge and are covered in the prior knowledge check rather than the main teaching.			
AUTUMN 2	7 Averages and range	Calculate the midpoint of two numbers.	RECALL / RETRIEVAL
		Use inequality notation.	
		Calculate the mode, median and the range.	
	7.1 Mean and range	Understand that sharing equally involves dividing a total.	Calculate the mean from a list and from a frequency table.
Wk08		Identify the mode.	Compare sets of data using the mean and range.
30/10/2023	7.2 Mode, median and range	Identify the mode, median and range.	Find the mode, median and range from a stem and leaf diagram.
		Identify an incorrect value.	Identify outliers.
Wk09		Draw a stem and leaf diagram.	Estimate the range from a grouped frequency table.
06/11/2023		Understand inequality notation.	
	7.4 Estimating the mean	Calculate the value halfway between pairs of numbers. Calculate the mean. Read data from a frequency table.	Estimate the mean of grouped data.
	4 Fractions and percentages	Use the four operations of number.	RECALL / RETRIEVAL
		Find common factors.	
		Have a basic understanding of fractions as being 'parts of a whole' and be able to write one value as a fraction of another.	
Wk10	4.1 Working with fractions	Identify equivalence in fractions.	Compare fractions.
13/11/2023		Identify the denominator of a fraction.	Add and subtract fractions.
		Identify the numerator of a fraction.	Use fractions to solve problems.
		Find the LCM.	
		Write fractions in their simplest form.	
Wk 11	4.2 Operations with fractions	Convert between units of length.	Find a fraction of a quantity or measurement.
20/11/2023		Add and subtract fractions.	Use fractions to solve problems.
		Convert between mixed numbers and improper fractions.	
	4.3 Multiplying fractions	Find a fraction of a quantity.	Multiply whole numbers, fractions and mixed numbers.
		Know that 1000 g = 1 kg.	Simplify calculations by cancelling.
Wk 12	Year 9 PAZ 1		
27/11/2023		Know the commutative rule a x b = b x a.	
		Write 1 million pounds as a figure.	
	4.4 Dividing fractions	Divide larger numbers by smaller numbers.	Divide a whole number by a fraction.
		Convert between mixed numbers and improper fractions. Multiply a whole number or a fraction by a fraction.	Divide a fraction by a whole number or a fraction.
Wk 13	3.7 Scatter graphs	Understand depreciation of value as things age, as well as an understanding of exceptions (e.g. classic cars) Plot coordinates in the first quadrant.	Plot and interpret scatter graphs. Determine whether or not there is a relationship between sets of data.
04/12/2023			
	3.8 Line of best fit	Recall definitions of positive, negative and no correlation. Read values from a graph.	Draw a line of best fit on a scatter graph. Use the line of best fit to predict values.
Wk 14	CHECK, STRENGTHEN, EXTEND + REVISION		
11/12/2023			