YEAR 10	Edexcel GCSE (9-1) Mathematics Higher		
TERM	UNIT / LESSON	PRIOR KNOWLEDGE	LEARNING OBJECTIVES
Key: Italic specification references are assumed prior knowledge and are covered in the prior knowledge check rather than the main teaching.			
Wk 8	2.2 Expanding and factorising	Simplify algebraic terms, including using index notation.	Expand brackets.
30/10/2023		Multiply a single term over a bracket.	Factorise algebraic expressions.
		Find highest common factors.	
	2.3 Equations	Solve a simple equation expressed in words.	Solve equations involving brackets and numerical fractions.
		Solve simple algrebraic equations	Use equations to solve problems.
Wk 9		Find lowest common multiples.	
06/11/2023	2.4 Formulae	Substitute values into a one-step formula.	Substitute numbers into formulae.
		Write numbers in standard form.	Rearrange formulae.
			Distinguish between expressions, equations, formulae and identities.
Wk10	2.7 More expanding and factorising	Recalling a square root.	Expand the product of two brackets.
13/11/2023		Finding the factor pairs of small integers.	Use the difference of two squares.
			Factorise quadratics of the form $x^2 + bx + c$.
	3 Interpreting and representing data		
		Read scales on graphs, draw circles, measure angles and plot coordinates in the first quadrant.	
		Have experience of tally charts.	
		Use inequality notation.	
		Find midpoint of two numbers.	
		Find the range, mean, median and mode of a data set.	
Wk11	3.1 Statistical diagrams 1	Work out mode, median and range from a list of numbers.	Construct and use back-to-back stem and leaf diagrams.
20/11/2023			Construct and use frequency polygons and pie charts.
	3.2 Time series	Identify trends by noticing whether sequences of numbers increase, decrease or oscillate.	Plot and interpret time series graphs.
			Use trends to predict what might happen in the future.
Wk12	3.3 Scatter graphs	Recognise when a line has a positive, negative or zero gradient.	Plot and interpret scatter graphs.
27/11/2023		Plot points on a coordinate grid, and identify points that do not lie on a straight line.	Determine whether or not there is a linear relationship between two variables.
	3.4 Line of best fit	Understand and be able to define the meaning of correlation.	Draw a line of best fit on a scatter graph.
		Read values from graphs.	Use the line of best fit to predict values.
Wk13	3.5 Averages and range	Find the range of a list of numbers.	Decide which average is best for a set of data.
04/12/2023		Find the midpoint of two numbers.	Estimate the mean and range from a grouped frequency table.
			Find the modal class and the group containing the median.
	3.6 Statistical diagrams 2	Use subtraction to find missing values.	Construct and use two-way tables.
		Draw a bar chart.	Choose appropriate diagrams to display data.
		Draw a pie chart.	Recognise misleading graphs.
Wk 14	CHECK, STRENGTHEN, EXTEND + REVISION		
11/12/2023	END OF TERM 1 TEST		