

YEAR 10 Edexcel GCSE (9-1) Mathematics Foundation

TERM	UNIT / LESSON	HOURS	PRIOR KNOWLEDGE	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	3 Graphs, tables and charts	14	Read scales on graphs and plot coordinates in the first quadrant. Draw circles. Measure and draw angles. Know that there are 360 degrees in a full turn and 180 degrees at a point on a straight line. Have experience of tally charts. Have used inequality notation. Use correct notation for time using 12 & 24-hour clocks. Find the midpoint of two numbers.	
Wk08 30/10/2023	3.1 Frequency tables		Addition of numbers. Counting tally symbols and drawing tally charts. Interpret a frequency table, including calculating the total population.	Designing tables and data collection sheets. Reading data from tables.
	3.2 Two-way tables		Convert between 12 and 24 hour clock times. Calculate with time. Understand use of fractions.	Use data from tables. Design and use two-way tables.
Wk09 06/11/2023	3.3 Representing data		Determine what features are missing from a graph. Interpret bar charts.	Draw and interpret comparative and composite bar charts. Interpret and compare data shown in bar charts, line graphs and histograms.
Wk10 13/11/2023	3.4 Time series		Write decimal numbers of millions. Plot a line graph.	Plot and interpret time series graphs. Use trends to predict what might happen in the future.
Wk11 20/11/2023	3.5 Stem and leaf diagrams		Place numbers in order of size.	Construct and interpret stem and leaf and back-to-back stem and leaf diagrams.
	3.6 Pie charts		Express a part of a circle as a fraction or percentage of the whole. Know the number of degrees in a circle. Draw a circle. Draw a given angle.	Draw and interpret pie charts.
Wk12 27/11/2023	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.
	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 13 04/12/2023	CHECK, STRENGTHEN, EXTEND + REVISION OF ALL TOPICS FROM SEPTEMBER.			
Wk 14 11/12/2023				