

Curriculum Sequencing Overview – Year 9 Foundation



Unit 3								
Week	1	2	3	4	5	6	7	8
Date wb	23/01/23	30/01/23	06/02/23	20/02/23	27/02/23	06/03/23	13/03/23	20/03/23
Key dates	Unit 2 KA data due	Year 9 mid-year data due	Year 9 parents evening	Year 9 options deadline				
Big ideas (key concepts)	Charts and graphs	Pie charts	Scatter graphs		Revision assessment and feedback		Fractions	
Lesson topics sequence	<p>Plot coordinates in first quadrant and read graph scales in multiples</p> <p>Produce and interpret data shown in: pictograms, composite bar charts, dual/comparative bar charts, bar-line charts, vertical line charts, line graphs, line graphs for time-series data, histograms with equal class intervals, stem and leaf (including back-to-back)</p> <p>Calculate total population from a bar chart or table</p> <p>Find greatest and least values from a bar chart or table</p> <p>Find the mode from a bar chart and stem and leaf diagram</p> <p>Recognise simple patterns, characteristics, relationships in bar charts and line graphs</p>	<p>Draw circles and arcs to a given radius</p> <p>Know there are 360 degrees in a full turn, 180 degrees in a half turn, and 90 degrees in a quarter turn</p> <p>Measure and draw angles</p> <p>Interpret tables; represent data in tables and charts</p> <p>Know which charts to use for different types of data sets</p> <p>Construct pie charts</p> <p>Interpret simple pie charts</p> <p>From a pie chart: find the mode, find the total frequency</p> <p>Understand that the frequency represented by corresponding sectors in two pie charts is dependent upon the total populations represented by each of the pie charts</p>	<p>Draw scatter graphs</p> <p>Interpret points on a scatter graph</p> <p>Identify outliers and ignore them on scatter graphs</p> <p>Draw the line of best fit on a scatter diagram</p> <p>Use the line of best fit make predictions</p> <p>Interpolate and extrapolate apparent trends</p> <p>Distinguish between positive, negative and no correlation</p> <p>Use a line of best fit to predict values</p> <p>Interpret scatter graphs in terms of the relationship between two variables</p> <p>Interpret correlation in terms of the problem</p> <p>Understand that correlation does not imply causality</p> <p>State how reliable predictions from scatter graphs are.</p>				<p>Find equivalent fractions or compare fractions</p> <p>Write fractions to describe shaded parts of diagrams</p> <p>Express a given number as a fraction of another</p> <p>Write a fraction in its simplest form</p> <p>Order fractions</p> <p>Compare fractions</p> <p>Convert between mixed numbers and improper fractions</p> <p>Add and subtract fractions</p> <p>Multiply and divide an integer by a fraction</p> <p>Understand and use unit fractions as multiplicative inverses</p> <p>Multiply fractions: simplify calculations by cancelling first</p> <p>Divide a fraction by a whole number</p> <p>Divide fractions by fractions</p>	
Key assessments					Unit 3 assessment			Unit 3 KA
Homework	1-page self-quizzing, unit 3 Types of data 1 – 6 Hegarty task 425	1-page self-quizzing, unit 3 Types of data 7 – 11 Hegarty task 458	1-page self-quizzing, unit 3 Tables 1 – 4	1-page self-quizzing, unit 3 Graphs 1 – 5	1-page self-quizzing,	1-page self-quizzing,	1-page self-quizzing, unit 3	1-page self-quizzing, unit 3

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			Hegarty task 441	Hegarty task 454	unit 3 Graphs 6 – 10 Hegarty task 426	unit 3 Charts 1 – 7 Hegarty task	Scatter graphs 1 – 6 Hegarty task 59	Scatter graphs 7 - 11 Hegarty task 66
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