

## Curriculum Sequencing Overview – Maths Year 8

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 8 mid-year data										
		due										
Big ideas (key concepts)	Plotting and interpreting graphs			Introduction to probability		Revision, assessment and feedback	Circles and compound area					
Lesson topics sequence	Link horizontal and vertical lines to their equations Understand simple diagonal line graphs and the relationships they show Plot a given diagonal graph by completing a table of values Identify the y -intercept of a diagonal graph, linking the graph to the equation Calculate the gradient of a given diagonal graph Identify straight line relationships in the form y = mx + c making links between the equation and the graph Plot two linear graphs and use their points on intersection to solve an equation Plot graphs of simple quadratic relationships by completing a table of values Identify families of quadratic graphs and compare graphs and equations of different lines using intercept and gradient Plot both linear and quadratic graphs in order to solve quadratic equations			Use inequality symbols to compare values less than one Describe the probability of an event in words Describe the probability of an event as a number Calculate expectation based on probability values Calculate a relative frequency as a probability based upon data Calculate using 'sum' and 'not' rules of probability Calculate using the 'or rule for mutually exclusive events			Identify all key parts of a circle Know and use the formula for the circumference of a circle Know and use the formula for the area of a parallelogram Derive and use the formula for area of a circle Solve problems involving the areas of circles Work backwards from area or circumference to find radius and diameter Calculate areas involving compound shapes including where circular areas must be subtracted. Calculate arc length and sector area of fractions of circles					
Key						End of unit		Unit 3 KA				
Homework	1-page self-quizzing.	1-page self-quizzing.	1-page self-	1-page self-	1-page self-	1-page self-	1-page self-	1-page self-				
	unit 3	unit 3	quizzing.	guizzing, unit 3	quizzing, unit 3	quizzing, unit	quizzing, unit	quizzing, unit				
	Co-ordinates and	Linear and quadratic	unit 3	Introducing	Compound area	3	3	3				
	graphs 1 – 7	graphs 1 – 5		probability 8 – 14	1-4	Circles 1 – 5	Circles 6 - 12					



## **Curriculum Sequencing Overview – Maths Year 8**

Hegarty task 205	Hegarty task 208	Introducing probability 1 – 7 Hegarty task 251	Hegarty task 351	Hegarty task 353	Hegarty task 358	Hegarty task 539	Linear and quadratic graphs 1 – 5 Hegarty task 541