

Key Stage 4. (Years 9 to 11)

Unit	Title	Estimate d hours	
1	a	Calculations, checking and rounding. Product Rule for Counting	7
	c	Factors, multiple and primes	8
4	a	Fractions	8
	b	Percentages	8
	c	Ratio and proportion	8
11		Multiplicative reasoning-magic multipliers (part of 4b)	3
Y9 Oct Half Term			
Assessment problem Solving and Reasoning			
2	a	Algebra: the basics	8
	b	Setting up, rearranging and solving equations	8
		Sequences	6
Y9 Christmas			
3	a	Averages and range	7
	b	Representing and interpreting data	8
	c	Scatter graphs	5
Y9 Feb Half Term			
5	a	Polygons, angles and parallel lines	8
10		Probability and Venn diagrams	10
Y9 Easter			
7	a	Perimeter, area and circles	8
5	b	Pythagoras' Theorem and trigonometry	8
7	b	3D forms and volume, cylinders, cones and spheres	8
Y9 May Half Term			
11		Multiplicative reasoning-compound measures	8
7	c	Accuracy and bounds	6
6	a	Graphs: the basics and real-life graphs	7
Y9 EOY			
11		Multiplicative reasoning, Review FDRP using exam papers	2
6	b	Linear graphs and coordinate geometry	10
8	a	Transformations	8
	b	Constructions, loci and bearings	8
2/ 5		Review Algebra form Y9 using exam papers	2
Y10 Oct Half Term			
1	b	Indices, roots, reciprocals and hierarchy of operations	8
14	a	Collecting data	6
	b	Cumulative frequency, box plots and histograms	7
Y10 Christmas			

Unit	Title	Estimated hours	
6	c	Quadratic, cubic and other graphs	8
19	a	Area under a graph and gradient of a line segment.	8
	b	Direct and Inverse Proportion and the constant of proportionality	8
Y10 Feb Half Term			
12		Similarity and congruence in 2D and 3D	8
9	a	Solving quadratic and simultaneous equations	8
	b	Linear Inequalities	7
Y10 Easter			
15		Solve an equation using the iterative process	8
13	b	Further trigonometry. Triangles and sine and cosine rules	6
16	a	Circle theorems	7
	b	Circle geometry	6
Y10 May Half Term			
15		Quadratics, expanding more than two brackets, sketching graphs, graphs of circles, cubes and quadratics	8
17		Changing the subject of formulae (more complex), algebraic fractions, solving equations arising from algebraic fractions, rationalising surds, proof Composite and inverse functions.	8
Y10 EOY			
18		Vectors and geometric proof	10
19	a	Transformations of graphs	7
Y11 Christmas Mock			
13	a	Graphs of trigonometric functions	10
19	a	Area under a graph and gradient of a tangent to a point on the curve	3

Now Follow the 20 week revision Programme