Year 10 Higher Route Map

Date			Curriculum Coverage	Key assessment
5 Sept - 9 Sep		1	Algebraic Proportion – Direct and Inverse Proportion	Mastery Assessments
12 Sep - 16 Sep		2	Algebraic skills review	
19 Sep - 23 Sep		3	Algebraic Fractions –Multiply and Divide.	
26 Sep - 30 Sept		4	Algebraic Proportion – Graphs	
3 Oct - 7 Oct		5	Circle Theorems	
10 Oct - 14 Oct		6	Simultaneous equations	
17Oct - 21 Oct		7	Algebraic Fractions – Simplify. Add and subtract.	
24 Oct - 28Oct			**Half Term**	
31 Oct - 4 Nov		8	Circle Theorems – Forming and solving equations using Circle Theorems.	Mastery Assessments
7 Nov - 11 Nov		9	Indices and Surds – Rules of indices. Evaluate integer and fraction indices. Calculate with Surds. Simplify Surds. Rationalise the denominator.	Cycle Assessment
14 Nov - 18 Nov		10		
21 Nov - 25 Nov		11	Cycle Assessment	
28 Nov - 2 Dec		12	Coordinate Geometry – Find equation of a straight line using 1 point and gradient, given 2 points. Perpendicular lines. Find equation of a tangent to a circle. Find intersection of lines using algebra.	
5 Dec - 9 Dec		13	Algebraic vector proof	
12 Dec - 16 Dec		14	Scatter graphs – Use and interpret. Correlation. Use Line of Best Fit. Interpolation and Extrapolation. Frequency Polygon	
19 Dec - 23Dec			**Christmas & New Year Break**	
26 Dec - 30 Dec				
2 Jan - 6 Jan		15	Trigonometry – Use Sine and Cosine rules for missing lengths and angles. Use triangle area formula. Solve problems in context	Mastery Assessments
9 Jan - 13Jan		16		
16 Jan - 20 Jan		17	Re-arrange Formulas – using squares, cubes, factorising, algebraic fractions.	
23 Jan - 27 Jan		18	Quadratic Sequences – Find the nth term of a Quadratic sequence. Find terms from nth term. Solve problems.	
30 Jan - 3 Feb		19	Geometric sequences – Know different types of sequences. Find next term. Find nth term.	
6 Feb - 10 Feb		20	Inequalities in two variables	
13 Feb - 18 Feb			**Half term**	
20Feb - 24Feb		21	Inequalities in two variables including using graphs	Mastery Assessments
27 Feb - 3 Mar		22	Quadratic Inequalities – Solve and represent solution on a number line, set notation and on a graph.	PPE
6 Mar - 10 Mar		23	PPE Preparation	
13 Mar - 17 Mar		24	PPE	
20 Mar - 24 Mar		25	PPE Repair	
27 Mar - 31 Mar		26	Cumulative Frequency and Box Plots – Median, Quartiles, IQR. Compare data using Median and IQR. Draw and interpret Box Plot. Draw and interpret Cumulative Frequency curve and find Median and Quartiles. Use CF to draw a Box Plot. Use CF curve to solve problems.	
3 Apr - 7 Apr			**Easter**	
10 Apr - 14 Apr				
17 Apr - 21 Apr		27	Cumulative Frequency and Box Plots	Mastery Assessments
24 Apr - 28Apr		28	Calculus – Use a tangent and estimate gradient using a drawn line. Calculate and Estimate Area under a curve.	
1 May - 5 May		29	Velocity Time Graphs – Find acceleration from VT graph. Find Area under VT graph and interpret as distance.	
8 May - 12 May		30	Histograms – Construct a Histogram from a frequency table. Complete frequency table from a Histogram. Use a Histogram to solve problems.	
15 May - 19 May		31		
22 May - 26 May		32	Functions – Inputs, outputs. Use function notation. Find Inverse Functions. Composite Functions. Recognise, sketch and interpret graphs of linear, quadratic, simple cubic, reciprocal, exponential and the trigonometric functions	
29 May - 2 Jun			**Half term**	
5 Jun - 9 Jun		33	Functions	Mastery Assessments
12 Jun - 16 Jun		34	Compound Measures - Solve problems that require the combining of means, densities and average speeds.	
19 Jun - 23 Jun		35	Enlargement and Transformations – Enlarge shapes using a Negative Scale Factor, describe fully.	Cycle Assessment
26 Jun - 30 Jun		36	Cycle Assessment	
3 Jul - 7 Jul		37	Assessment repair	
10 Jul - 14 Jul		38	Assessment repair	
17 Jul - 21 Jul				

This is the intended curriculum delivery. Please be aware that dates may change depending on your needs.