

# Autumn Term

Unit	Lesson	Hours
<b>Further statistics</b>	<b>14 Further statistics</b>	
	14.1 Sampling	
	14.2 Cumulative frequency	
	14.3 Box plots	
	14.4 Drawing histograms	
	14.5 Interpreting histograms	
	14.6 Comparing and describing populations	10
<b>More Algebra</b>	<b>17 More Algebra</b>	
	17.1 Rearranging formulae	
	17.2 Algebraic fractions	
	17.3 Simplifying algebraic fractions	
	17.4 More algebraic fractions	
	17.5 Surds	
	17.6 Solving algebraic fraction equations	
	17.7 Functions	
	17.8 Proof	13
<b>More trigonometry</b>	<b>13 More trigonometry</b>	
	13.1 Accuracy	
	13.2 Graph of the sine function	
	13.3 Graph of the cosine function	
	13.4 The tangent function	
	13.5 Calculating areas and the sine rule	
	13.6 The cosine rule and 2D trigonometric problems	
	13.7 Solving problems in 3D	
	13.8 Transforming trigonometric graphs 1	
	13.9 Transforming trigonometric graphs 2	
	Solve quadratic equations by factorising.	13

# Spring Term

<b>Multiplicative reasoning</b>	<b>11 Multiplicative reasoning</b>	
	11.1 Growth and decay	
	11.2 Compound measures	
	11.3 More compound measures	
	11.4 Ratio and proportion	
<b>Proportion and graphs</b>	<b>19 Proportion and graphs</b>	
	19.1 Direct proportion	
	19.2 More direct proportion	
	19.3 Inverse proportion	
	19.4 Exponential functions	
	19.5 Non-linear graphs	
	19.6 Translating graphs of functions	
	19.7 Reflecting and stretching graphs of functions	8
<b>Transformations and constructions</b>	<b>8 Transformations and constructions</b>	
	8.1 3D solids	
	8.2 Reflection and rotation	
	8.3 Enlargement	
	8.4 Transformations and combinations of transformations	
	8.5 Bearings and scale drawings	

	8.6 Constructions 1	
	8.7 Constructions 2	
	8.8 Loci	10