

Year11 Higher Tier GCSE course: Edexcel Linear 1MA0 Sets 1 and 2

Summer Term Year 11	
	Mean from large data sets
	Statistical diagrams including stem and leaf, cumulative frequency, box plots, histograms
	Comparing distributions, surveys and making inferences
	Interpreting graphs, diagrams and statistics
	Sampling methods including random and stratified samples
	Factorising quadratic expressions. Expanding 2 brackets
	Solving quadratic equations by factors, quadratic formula or completing the square
	Real life graphs including distance/time and velocity/time
Autumn Term Year 11	
	Similar triangles and similar areas and volumes
	Solving 2-D and 3-D problems using Pythagoras and trigonometry
	Sine rule and Cosine rule. Area of a triangle = $\frac{1}{2}ab\sin C$
	Graphs of Trigonometric functions
	$y = mx + c$ Gradients of straight lines
	Solve simultaneous equations using graphs
	Drawing graphs of quadratic, cubic, reciprocal, exponential and trigonometric functions and interpreting intersections
	Further processing and interpreting data
	Probability including tree diagrams and sample spaces
	Algebraic fractions
	Simultaneous equations, one linear and one quadratic eqn
	Nth terms, linear and quadratic
	Changing the subject of a more complicated formula
Spring Term Year 11	
	Direct and Inverse Proportion
	Limits of Accuracy. Combine limits to solve problems
	Linear inequalities & finding regions defined by inequalities
	Vectors
	Transformation of Graphs

	Proof
	Revision and Past Papers
Summer Term Year11	
	Revision and Past Papers