	Year 7	Year 8	Year 9	Year 10	Year II	Year 12	Year 13
ΗTI	Place Value, the four operations	Factors, primes,	Arithmetic, Powers, Fractions, decimals and percentages.	error intervals,	F: Multiples and factors, algebra, solving equations.	Pure: Algebraic Expressions, Quadratics, Equations and Inequalities Applied: Data Collection, Measures of Location and Spread, Representation of data,	Pure: Algebraic fractions, algebraic division, Functions and graphs. Applied: Regression, correlation and hypothesis testing
HT2	Perimeter, Area and units, Angles and 2D shapes	measures	Algebraic Manipulation, Co- ordinates and graphs.	and Volume	F: Indices and standard form, right angled triangles.	Straight Line graphs, Circles	Pure: Sequences and series, binomial expansion, Radians Applied: Conditiona probability and the Normal distribution

HT3	Fractions, Decimals and Percentages	Fractions and Probability	2D and 3D Shapes	F: Angles, bearings and transformations. H: Similarity and congruence, transformations, probability.	Revision	Pure: Algebraic Methods, Differentiation Applied: Binomial distribution, probability distributions, hypothesis testing.	Pure, Trignometric f unctions, Trigonometry and modelling Applied: Moments, Forces and Friction
HT4	Algebra, Co- ordinates and graphs	Algebraic manipulation and solving equations.	Solving equations and sequences.	F: Drawing graphs H: Volume, Bounds	Revision		Pure: Parametric equations, Differentiation Applied: Projectiles, application of forces
HT5	Order of operations, ratio and proportion.	Angles and Transformations	Percentages and Proportion	F: Compound measures, probability. H: Graphs of circles, linear and quadratic equations.	Revision	Pure: Trigonometric Ratios, Exponentials and Logs Applied: Forces and motion	methods, Integration. Vectors

НТ6	Working with data	Constructions, Loci and bearings.	F: Averages and range	Pure: Vectors	
			H: Histograms, Cumulative frequenc y and box plots.	Applied: Variable Acceleration	