



Key Stage 4 Maths Curriculum Plan

KS4 Curriculum Intent - All students to believe they are capable of achieving high standards and becoming competent and resilient mathematicians.

Year 10 LTP

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Unit covered	Developing Algebra Equations and inequalities Simultaneous Equations (Higher and set 4)	Use of number Types of number Indices and roots Non calculator methods	Proportions and proportional change Ratio and fractions Percentages and interest Solving proportion problems	Shapes Working from 2D to 3D Working with circles Compound Measures	Delve into data Collecting, representing and interpreting data Angles (1 week) Constructions and loci Angles and bearings	Angles) Angles and bearings continued Pythagoras & Trigonometry
Assessment	KLT 1 - Equations KLT 2 - Simultaneous equations (for some Higher and set 4)	KLT 3 - Types of number Extra KLT - non calculator methods KAT 1 - cycle 1	KLT 1 - Ratio and fractions KLT 2 - Percentages and interest	KLT 3 - Working from 2D to 3D KAT 2 - cycle 1 and 2	KLT 1 - Delve into data KLT 2 - Angles and bearings	KLT 3 - Pythagoras or trigonometry KAT 3 - end of year 10 exam
Interleaving	FDPFR equivalences Fractions of amounts Formulae for area Angle rules Probability Transformations Rounding Number types keywords Ratio Pythagoras (Higher)	Solve equations Straight line graphs Algebra command words Percentages Averages Transformations Sequences Substitution Compound area problems Rearranging (Higher)	Formulae Straight line graphs Inequalities Substitution Multiplication and Division Simplify, expand and factorise Surds (Higher) Index laws Four operations and fractions Quadratics (Higher) Simultaneous equations	Number types keywords Solving equations HCF, LCM & product of primes Averages Equivalent ratios Sharing in a ratio Standard form Percentage of an amount Percentage change Rounding and estimation Error intervals & bounds (Higher)	Basic averages Area and perimeter problems Solving equations Worded FDPFR problems Basic angle facts Ratio and proportion problems Compound measures Rounding and estimation Worded problems with 4 operations Rearranging (Higher)	Average problems Pie charts Grouped frequency tables Area and circumference of circles Volume Surface Area Number types terminology Algebra command words Substitution Index laws



Year 11 LTP

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Unit covered	Probability Sequences Rearranging Angles and Circles recap Circle theorems (Higher)	Mock 1 Feedback and next steps Transformations Similar shapes	Gradients and lines Using graphs Vectors Expand and factorise Non linear graphs Functions	Personalised revision following QLA from mock 2		
Assessment	Two weekly tests helping to interleave areas of weakness from the folder	Mock 1 - 3 papers Two weekly tests helping to interleave areas of weakness from the folder	Two weekly tests helping to interleave areas of weakness from the folder	Mock 2 - 3 papers		
Interleaving	Areas of weakness from year 10 highlighted in year 10 KAT 3	Areas of weakness from year 11 mock 1	Areas of weakness from year 11 mock 1	Areas of weakness from year 11 mock 2		