

GCSE Mathematics Curriculum Map – Middle groups

	HT1	HT2	HT3	HT4	HT5	HT6
Year 9					<p>Bronze number Fractions to decimals, comparing %, % change, rounding, HCF/LCM, index laws, operations with fractions</p> <p>Examinations and activities week</p>	<p>Bronze algebra Graphs (gradients, real-life, quadratic), inequalities, subject of a formula, sequences</p>
Year 10	<p>Bronze shape Enlargements, angles in polygons, Pythagoras' Theorem, Compound units, Constructions, bounds, surface area and volume</p>	<p>Bronze data Experimental probability, scatter graphs, mean from a table</p> <p>Silver number Multipliers, repeated % change, reverse %, standard form, estimation</p>	<p>Silver number Bounds, ratio and proportion</p> <p>Silver algebra Forming and solving equations, factorising singles brackets, expanding double brackets, factorising quadratics, fractions,</p>	<p>Silver algebra Graphs (linear, quadratic, cubic, reciprocal), inequality graphs, simultaneous equations, formulae</p> <p>Silver shape Midpoints, Pythagoras' Theorem</p>	<p>Silver shape Transformations, vectors, area/volume scale factor, circle theorems, trigonometry</p> <p>Examinations and activities week</p>	<p>Silver data Venn diagrams, two-way tables, tree diagrams, cumulative frequency, time series</p> <p>Gold number Indices, bounds, exponential functions, recurring decimals, surds.</p>
Year 11	<p>Gold algebra Complete square, quadratic formula, quadratic inequalities, algebraic fractions, quadratic simultaneous equations</p>	<p>Gold algebra Proportion, trigonometric and exponential graphs, trigonometric equations, functions, transforming graphs, equation of a circle and tangents, numerical methods</p> <p>Gold shape 3D Pythagoras and trigonometry, sine/cosine rule</p>	<p>Gold shape Sectors, surface area and volume cones spheres, congruence, vectors.</p> <p>Gold data Histograms, sampling, tree diagrams and probability, enumeration.</p>	<p>Consolidation, revision and practice.</p>	<p>GCSE examinations</p> 	