

Subject: Maths KS4

Students in Key Stage 4 (Years 10 and 11) will follow similar topics each year.

For GCSE there are two tiers: Foundation and Higher tier. These tiers broadly cover the same topics however the depth and challenge in the higher tier is great than that of the foundation tier. It is important to note that the demand and challenge has increased drastically for both tiers following on from the GCSE Curriculum change in 2015.

The topics will be taught across both year groups and they will be regularly assessed. Note: Current Year 11 students (Year 11 2016 – 2017) are following a different schedule of topics but the same content is covered. For these students please see the table labelled Year 11.

GCSE Year 10	Unit 1:	Calculations 1	Assessment 1 Students will sit a written test on Units 1 – 6. This mark will be used to track student progress
	Unit 2:	Expressions	
	Unit 3:	Angles & Polygons	
	Unit 4:	Handling Data 1	
	Unit 5:	Fractions, Decimals & Percentages	
	Unit 6:	Formulae & Functions	
	Unit 7:	Working in 2D	Assessment 2 Students will sit a written test on Units 7 – 11. This mark will be used to track student progress
	Unit 8:	Probability	
	Unit 9:	Measures & Accuracy	
	Unit 10:	Equations & Inequalities	
	Unit 11:	Circles & Constructions	
	Unit 12:	Ratio & Proportion	Pre Public Exams Students will sit a full set of GCSE Papers prior to their GCSE Exams. One will be sat at the End of Year 10 and there two will be say during Year 11.
	Unit 13:	Factors, Powers & Roots	
	Unit 14:	Graphs 1	
	Unit 15:	Working in 3D	
	Unit 16:	Handling Data 2	
	Unit 17:	Calculations 2	
	Unit 18:	Graphs 2	
	Unit 19:	Pythagoras & Trigonometry	
	Unit 20:	Combined Events	
	Unit 21:	Sequences	
	Unit 22:	Units & Proportionality	
	Unit 23:	Life Skills Maths	This topic will not be formally assessed and will be taught throughout the two years.

Year 11F

Unit 1:	Calculations & Decimals
Unit 2:	2D Shapes & Transformations
Unit 3:	Expressions
Unit 4:	Multiples, Factors, Powers, Roots & Bounds
Unit 5:	Averages
Unit 6:	Ratio & Proportion 1
Unit 7:	Equations
Unit 8:	3D Shapes
Unit 9:	Ratio & Proportion 2
Unit 10:	Constructions
Unit 11:	Changing the Subject
Unit 12:	Standard Form
Unit 13:	Conversion, Travel & Real-life Graphs
Unit 14:	Constructing & Interpreting Charts
Unit 15:	Sequences & Inequalities
Unit 16:	Congruence & Similarity
Unit 17:	Factorising
Unit 18:	Indices & Surds
Unit 19:	Area & Perimeter
Unit 20:	Simultaneous Equations
Unit 21:	Tree Diagrams & Sampling
Unit 22:	Volume
Unit 23:	Quadratic, Cubic & Reciprocal Graphs
Unit 24:	Pythagoras & Trigonometry
Unit 25:	Algebraic Proofs
Unit 26:	Vectors
Unit 27:	Revision

Pre Public Exams

Students will sit a full set of GCSE Papers prior to their GCSE Exams. This will happen twice during Year 11.

Year 11H

<u>Unit 1:</u>	Fractions, Decimals & Percentages
<u>Unit 2:</u>	Graphs: Quadratic, Exponential & Time
<u>Unit 3:</u>	Pythagoras & Trigonometry
<u>Unit 4:</u>	Iteration
<u>Unit 5:</u>	Proportion
<u>Unit 6:</u>	Factorising & Solving Quadratics
<u>Unit 7:</u>	Circle Theorems
<u>Unit 8:</u>	Algebraic Proofs
<u>Unit 9:</u>	Similarity
<u>Unit 10:</u>	Perpendicular Lines
<u>Unit 11:</u>	Surds
<u>Unit 12:</u>	Graphs: Exponential, Trigonometric, Circle & Transformations
<u>Unit 13:</u>	Further Trigonometry
<u>Unit 14:</u>	Completing the Square
<u>Unit 15:</u>	3D Pythagoras & Trigonometry
<u>Unit 16:</u>	Algebraic Fractions & Simultaneous Equations
<u>Unit 17:</u>	Quadratic Inequalities & Sequences
<u>Unit 18:</u>	Vectors
<u>Unit 19:</u>	Functions
<u>Unit 20:</u>	Revision

Pre Public Exams

Students will sit a full set of GCSE Papers prior to their GCSE Exams. This will happen twice during Year 11.