Maths Curriculum Map



Data, Primes, Factors and Multiples	Algebraic Manipulation, Accuracy and Rounding	Mensuration, Geometric Constructions and Calculations	Direct and Inverse Proportion and Percentage Change	Fractions & Decimals, Indices and Standard Form	Equations of graphs and Inequalities, Compound Units and 2D &3D Representations
Data> Populations and samples> Summary statistics> Categorical and numerical data> Summary Statistics> Mis- representing dataPrimes, Factors and Multiples> Prime numbers> Prime numbers / Index Notation> Highest Common Factor (HCF) and Lowest Common Multiple (LCM)	 Algebraic Manipulation Collecting like terms. Simplifying products and quotients. Multiplying out brackets Multiplying out brackets Factorising Substitution into formulae Change the subject of a formula. Formulate algebraic expressions Algebraic terminology and proofs Accuracy and Rounding Rounding Estimation Upper and lower bounds 	Mensuration Circle nomenclature / Circumference of a circle Area of a circle Polyhedra Pyramids, Cones and spheres Pythagoras' theorem Trigonometry in right- angled triangles Exact trig ratios Geometric constructions and calculations Perpendicular bisector. Angle Bisector Loci Angles at a point/on a line / between intersecting and parallel lines Angles in polygons	 Percentage Change Direct and Inverse Proportion Equivalent ratios Ratios and fractions Division in a given ratio Solve ratio and proportion problems Direct proportion Inverse proportion Percentage Change Percentage conversions Percentage change Growth and decay Solving of Equations Graphs of equations and functions Approximate solutions using a graph Simultaneous equations 	Form Fractions and Decimals Calculations with fractions. Calculations with fractions. Fractions of a quantity Decimals and fractions Division of decimals Bivariate data and Outliers Indices and Standard Form Index notation powers and roots Laws of indices Calculations with numbers in standard form	 Units and 2D &3D Representations Equations of graphs and Inequalities Inequalities in one variable Graphs of equations and functions Straight line graphs Compound Units Units of measurement Compound units Units of measurement Compound units Maps and Scale drawings Plans and elevations Surface Area, Volume, Plans and elevations.
		 Angles in polygons Properties of a triangle Properties of quadrilaterals 	 Linear equations in one unknown Quadratic equations 		

Assessments

Students are assessed at the end of Year 11 with three 1 hour 30-minute terminal examinations. There will be one non-calculator paper and two calculator papers

Maths Curriculum Map



Geometric Review and		Probability, Sequences and		Transformations and		Functions, Graphs and		Revision
	Probability Graphs		Similar Figures,			Vectors		
	Geometric Review		Probability		Transformations		Functions and Graphs	
\triangleright	Angles	≻	Sample spaces	۶	Reflection	≻	Polynomial functions	
\triangleright	Circle nomenclature	\triangleright	Enumeration	۶	Rotation	≻	Functions	
\triangleright	Measuration in circles	\succ	Venn diagrams and sets	۶	Column Vectors, Translation	≻	Graphs of equations and	
\triangleright	Properties of quadrilaterals	\triangleright	The addition law of				functions	
\triangleright	Properties of a triangle		probability		Similar Figures			
\triangleright	Pythagoras and trigonometry	≻	Tree diagrams	۶	Congruent triangles		Vectors	
\triangleright	Straight line graphs	\succ	The multiplication law of	۶	Applying congruent triangles	≻	Calculations with fractions.	
\triangleright	Parallel and perpendicular		probability and conditional	۶	Similar triangles	≻	Calculations with fractions.	
	lines		probability	۶	Enlargement	≻	Fractions of a quantity	
\triangleright	Straight line graphs.			۶	Similar shapes	≻	Decimals and fractions	
			Sequences	۶	Exact calculations	≻	Division of decimals	
	Probability	\triangleright	Generate terms of a	۶	Volumes and surface area	≻	Bivariate data and Outliers	
\triangleright	The probability scale		sequence		calculations			
\triangleright	Equally likely outcomes and	\triangleright	Special sequences					
	probability							
\triangleright	Relative frequency and		Graphs					
	probability	\triangleright	Straight line Graphs					
		\triangleright	Pythagoras					
		\triangleright	Perimeter					
		≻	Areas					
		≻	Graphs of real-world contexts					
		≻	Gradients					

Assessments

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