

Blessed Thomas Holford Catholic College Mathematics foundation/ crossover curriculum overview

We are determined to inspire and build resilience in all to use mathematical problem solving and numerical reasoning alongside fluency and knowledge. This will enable all to navigate through our diverse world with confidence and accuracy.



	Number			Algebra		
	Ratio & Proportionality			Geometry		
	Probability			Statistics		
	HT 1	HT 2	HT 3	HT 4	HT 5	HT 6
Year 7	Properties & Calculations 	Fractions, Percentages and Decimals 	Ratio & Proportionality 	Introduction, Notation & Graphs 	Area & Angles 	Averages & Frequency Diagrams
Year 8	Properties & Calculations with Percentages & Fractions 	Ratio & Proportionality 	Equations Expressions, Formulas & Sequences 	Coordinates and Graphs Angles & Measure 	Properties of Shapes Circles Pythagoras 	Probability Interpretation of Data
Year 9	Properties, Order of operations, Rounding, Fractions, Decimals and Percentages 	Indices and Standard Form 	Notation, Manipulation, Solving, Formulae 	Graphs Sequences 	Angles, Constructions, Area and Volume 	Transformations Averages, Frequency Tables, Statistical Analysis
Year 10 F/C	Probability Number Properties & Rounding Fractions, Decimals & Percentages 	Probability Ratio and Proportionality 	Notation, Manipulation Sequences, Solving linear equations, Simultaneous equations 	Inequalities & Graphs Geometry Circles, Volume & Surface Area 	Pythagoras & Trigonometry Transformations, Vectors & Similarity 	Averages, Collecting & Representing Data, Scatter graphs
Year 11 F/C	Number Properties, Fractions, Decimals & Percentages Indices 	Manipulation, Equations, Quadratics & Graphs 	Formulae & Indices Ratio and Proportionality 	Area, SA & Volume, Angles, Pythagoras & Trigonometry 	Averages Recap, Review and Exam Preparation 	Terminal Examinations
Year 12 Core	Estimation Maths for Personal Finance 	Analysis of Data 	Analysis of Data 	IT Skills Maths for Personal Finance 	Critical Analysis 	GCSE Revision Statistical Techniques
Year 13 Core	Maths for Personal Finance 	Critical Analysis Statistical Techniques 	Statistical Techniques 	Statistical Techniques Critical Analysis 	Recap, Review and Exam Preparation 	Terminal Examinations

Blessed Thomas Holford Catholic College Mathematics higher curriculum overview

We are determined to inspire and build resilience in all to use mathematical problem solving and numerical reasoning alongside fluency and knowledge. This will enable all to navigate through our diverse world with confidence and accuracy.



Number				Algebra		
Ratio & Proportionality				Geometry		
Probability				Statistics		
	HT 1	HT 2	HT 3	HT 4	HT 5	HT 6
Year 7	Number Properties & Calculations 	Number Fractions, Percentages and Decimals 	Ratio & Proportionality 	Introduction, Notation & Graphs 	Area & Angles 	Statistics Averages & Frequency Diagrams
Year 8	Properties & Calculations with Percentages & Fractions 	Ratio & Proportionality 	Equations Expressions, Formulas & Sequences 	Coordinates and Graphs Angles & Measure 	Properties of Shapes Circles Pythagoras 	Probability Interpretation of Data
Year 9	Properties, Order of operations, Rounding, Fractions, Decimals and Percentages 	Indices and Standard Form Ratio & Proportionality 	Notation, Manipulation, Solving, Formulae 	Graphs Sequences 	Angles, Constructions, Area and Volume 	Transformations Averages, Frequency Tables, Statistical Analysis
Year 10 H	Properties and percentage calculations Ratio and Proportionality Sequences 	Formulas Solving quadratic equations 	Tree and Venn diagrams Angles, Circles and Circle Theorems 	Pythagoras and Trigonometry Indices and standard form 	Frequency diagrams and interpretation 	Area, Volume, Similar shapes
Year 11 H	Review, Rearranging & Linear Graphs Surds 	Graphs, Equations & Formulae Sectors Transformations 	Transformations & Trigonometry 	Vectors Bounds Iterations, Functions & Proof 	Constructions and Loci Recap, Review and Exam Preparation	Terminal Examinations
Year 12	Algebra and Functions Coordinate geometry in (x,y) 	Further Algebra Trigonometry and Vectors 	Trigonometry Mechanics – quantities and kinematics	Differentiation and Integration Forces and Newton's laws, Variable acceleration and projectile motion	Exponential and logarithms Moments Application of forces	Proof Series and Sequences
Year 13	Algebraic and partial fractions, functions and modelling, Binomial theorem Statistical sampling, data presentation and interpretation	Trigonometry Parametric Equations Probability Statistical Distributions	Differentiation and integration Normal distribution and hypothesis testing	Integration, Numerical Methods 	Exam Preparation and Terminal Examinations	Terminal Examinations