



Maths at Catshill Middle School

In maths, pupils from Year 5 to Year 8 are taught through a mastery approach, ensuring that every learner develops a deep understanding of key mathematical concepts. This approach equips pupils with a range of strategies, models, and visual representations to access and apply their learning confidently. By mastering these skills, pupils build a strong foundation that supports their continued success in education and prepares them for future careers.

	Autumn1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 5	Place Value Addition and Subtraction	Multiplication and Division (A) Fractions (A)	Multiplication and Division (B) Fractions B	Decimals and Percentages Perimeter and Area Statistics	Shape Position and Direction Decimals	Negative Numbers Converting Units Volume
Curriculum Area	Number	Number	Number	Number and Measure	Geometry and Number	Number and Measure
Year 6	Place Value 4 operations	Fractions A Fractions B Converting Units	Ratio Algebra Decimals	Fractions, Decimals and Percentages Area, Perimeter and Volume Statistics	Shape Position and Direction	Themed projects, consolidation and problem solving
Curriculum Area	Number	Number and Measure	Number	Number and Measure	Geometry	
Year 7	Sequences Algebraic Notation and Substitution Expressions and Equations	Place Value, Ordering and Rounding Four Operations Average and Range Rounding and Estimation	Graphing Data Fractions, Decimals and Percentages	Directed Number Fraction and Percentages of and Amount Perimeter and Area	Speed, Distance and Time Properties of Number	Add and Subtract Fractions Angles and Polygons
Curriculum Area	Algebra	Number and Statistics	Number and Statistics	Number, Geometry and Measure	Number	Number, Geometry and Measure
Year 8	Ratio Proportion and Scale Algebraic Manipulation	Coordinates and Graphs Multiply and Divide Fractions Symmetry and Reflection	Area, Volume and Density Equations and Inequalities Percentages	Indices Standard Form Interpret and Represent Data	Angles in Parallel lines and Polygons Tables and Probability	Circles Graphs and Charts Sequences
Curriculum Area	Ratio and Algebra	Algebra , Number , Geometry and Measure	Algebra , Number , Geometry and Measure	Algebra , Number and Statistics	Geometry, Measure and Probability	Geometry , Measure , statistics and Algebra
Beyond CMS	Having completed Year Eight at Catshill Middle school, the vast majority of pupils move on to local High Schools. There they will join a number of pupils from other schools and continue their learning journey within mathematics, building on the foundations and skills they have acquired over the years in preparations for GCSE level.					