



St Mary's Catholic School

Maths is your Solution



Similarity
Developing Algebra
Geometry
Proportions & Proportional Change
Delving into data
Using number Expressions

Congruence, similarity & enlargement, Trigonometry, Representing solutions of equations & inequalities, Simultaneous equations.

Angles & bearings, Working with circles, vectors, Ratios & fractions, Percentages & interest, Probability.

Collecting, representing & interpreting data, Non-calculator methods, Types of number & sequences, Indices & Roots, Manipulating expressions.



Proportional Reasoning
Representations
Algebraic Techniques
Developing Number & Geometry
Reasoning with Data

Ratio & scale, Multiplicative change, Multiplying & dividing fractions, Working in the Cartesian plane, Representing data, Tables & Probability.

Equations, inequalities, Sequences, Indices, Fractions & Percentages, Standard Index form, Number sense.

Angles in parallel lines & polygons, Area of trapezia & circles, Lines symmetry & reflection, The data handling Cycle, Measures of location.



Year 11

Graphs
Algebra
Reasoning
Revision & Communication

Gradients & lines, Non-linear graphs, Using graphs, Expanding & factoring, Changing the subject, Functions.
 Multiplicative, Geometric, Algebraic, Transforming & constructing, Listing & describing, Show that...
 Revision & Examinations

Year 10

Reasoning with Algebra
Constructing in 2 & 3 Dimensions
Reasoning with Number, Geometry, Proportion
Representations

Year 9

Straight line graphs, Forming & solving equations, Testing conjectures, Three-dimensional shapes, Constructions & congruency
 Numbers, Using percentages, Maths & money, Deduction, Rotation & translation, Pythagoras Theorem
 Enlargement & similarity, Solving ratio & proportion problems, Rates, probability, Algebraic representation, Revision

Year 8

Algebraic Thinking
Place Value & Proportion
Application of Number
Directed Number
Fractional Thinking
Lines & Angles
Reasoning with Number

Year 7

Sequences, Understanding & use algebraic notation, Equality & Equivalence, Place value & ordering integers & decimals, Fraction, Decimal & Percentage equivalence.
 Solving problems with addition & subtraction, Solving problems with multiplication & division, Fractions & percentages of amounts, Operations & equations with directed number, Addition & subtraction of fractions.
 Constructing, measuring & using geometric notation, Developing geometric reasoning, Developing number sense, Sets & probability, Prime numbers & proof.

$$ax+bx$$

