



Gordon's School Mathematics Department

Key Stage 3 - Curriculum Map



Key Words / Skills:

Command Words

Simplify – simplify the given expression

Solve – find the solution of an equation or inequality

Show – all working need to get a given answer

Find – some working will be needed to get to the final answer

Calculate – a calculator and some working will be needed

Foundation:

Real Life Graphs, End of Year Catch-up & Consolidation, End of Year Exam

Higher:

Accuracy & Bonds, End of Year Catch-up & Consolidation, End of Year Exam

Foundation:

Area & Perimeter, Volume & Surface area, Co-ordinates, Straight Line Graphs

Higher: Real-life, Quadratic, Cubic & Reciprocal Graphs, Measurements, Volume & Surface Area

Foundation:

Quadrilaterals, Angles, Polygons, Representing Continuous Data, Calculating Statistics, Comparing Data, Measurements

Higher: Polygons, Right-angled Triangles, Co-ordinates, Straight Line Graphs, Coordinate Geometry

Foundation: Fractions, Decimals & Percentages, Linear Equations, Linear Inequalities, Sequences

Higher: Fractions, Decimals & Percentages, Ratio & Proportion, Angles

Foundation & Higher:

Algebraic Expressions, Substitution, Formulae, Data Handling, Data Collection, Representing Discrete Data, Scatter Graphs.

Year 9

Transformations, Data Handling, Rearranging Formulae

Inequalities, Pythagoras & Trigonometry, Constructions & Loci

Number & Algebra Recap, End of Year Exam

Foundation: Integers, Decimals, Using a Calculator, Rounding, Indices & Roots, Factors, Multiples & Primes

Higher: As above, plus: Understanding Surds

3D Measurement and Similarity, Ratio, Proportion and Rates, Probability

Year 8

Fraction, Decimal and Percentage Operations, Solving Equations, Linear Functions

2D Measurement/Area, Sequences, Angle Geometry, Number Properties, Decimals and Estimation, Algebraic Expressions

Number & Algebra Recap, End of Year Exam

Probability, Angles & Geometry, Transformations

Year 7

Place Value, Number Properties, Number Operations

2D Measurement, Area, Algebra

3D Measurement, Linear Functions, Ratio & Proportion

Percentages, Data handling, Sequences