Gordon's School Mathematics Department
Key Stage 3 - Curriculum Map

Key Words / Skills:

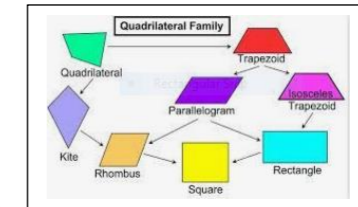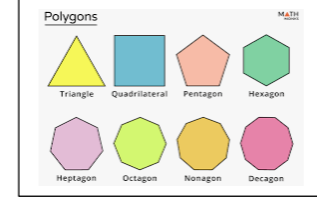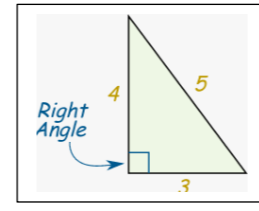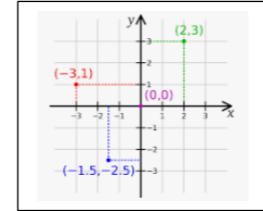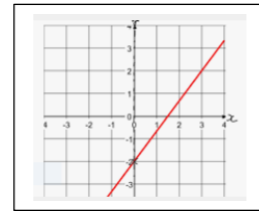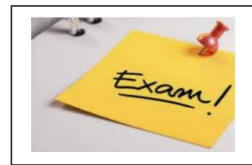**Command Words**

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
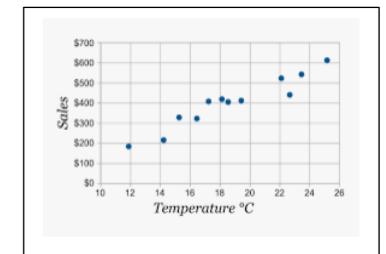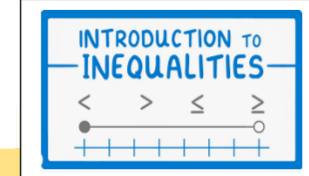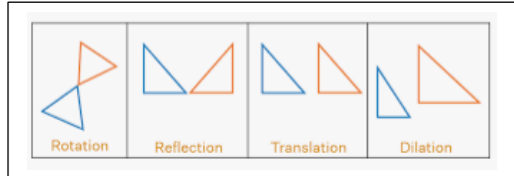
Foundation: Quadrilaterals, Angles, Polygons, Representing Continuous Data, Calculating Statistics, Comparing Data, Measurements
Higher: Polygons, Right-angled Triangles, Co-ordinates, Straight Line Graphs, Coordinate Geometry

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.

Foundation: Integers, Decimals, Using a Calculator, Rounding, Indices & Roots, Factors, Multiples & Primes
Higher: As above, plus: Understanding Surds

Year 9

Transformations, Data Handling, Rearranging Formulae

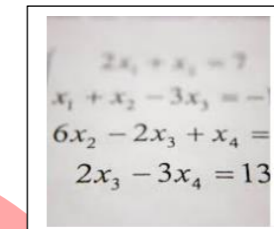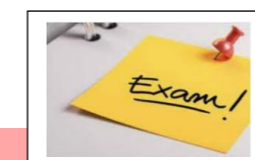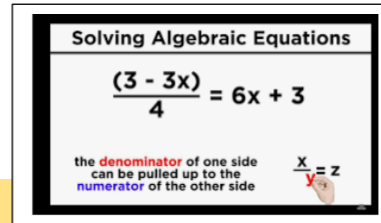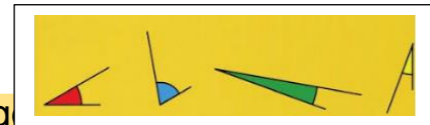Inequalities, Pythagoras & Trigonometry, Constructions & Loci

Number & Algebra Recap, End of Year Exam

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

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

Year 8
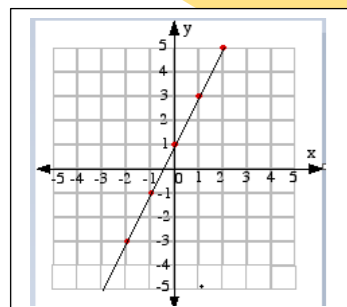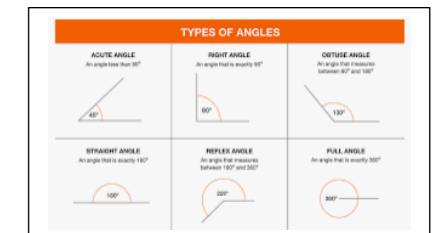
2D Measurement/Area, Sequences, Angle Geometry

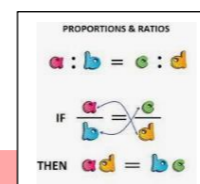Number Properties, Decimals and Estimation Algebraic Expressions

Number & Algebra Recap, End of Year Exam
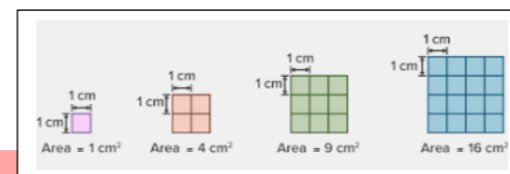
Probability, Angles & Geometry, Transformations

Percentages, Data handling, Sequences

Year 7

Place Value, Number Properties, Number Operations

2D Measurement, Area, Algebra

3D Measurement, Linear Functions, Ratio & Proportion

Number Sequences

3, 5, 8, 13, 22, __?

Solving Algebraic Equations

$$\frac{(3 - 3x)}{4} = 6x + 3$$

the **denominator** of one side can be pulled up to the **numerator** of the other side