Gordon's School Mathematics Department

GCSE - Curriculum Map

Key Words / Skills:

Command Words

Simplify – simplify the given expression

Solve – find the solution of an equation or inequality

Prove – all steps and reasons should be given in a structured manner

Express – re-write in another form, some working may be needed

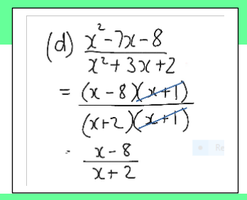
Explain – write a mathematical statement to show how you reached your conclusion

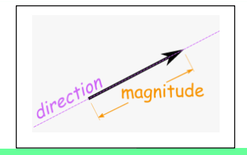
Foundation & Higher: Final Preparation and sitting GCSE Exam

Foundation & Higher: continue with topics & regular past paper practice

Foundation & Higher: Year 11 Exam analysis & teacher judgement to determine class by class teaching

Foundation & Higher: Mock Exam preparation, Exam and analysis





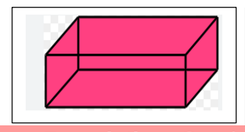
Year 11

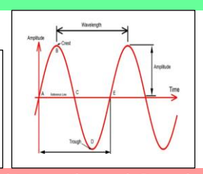
Foundation: Year 10 Exam Analysis to determine class by class teaching.

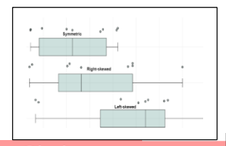
Higher: Year 10 Exam Analysis, Manipulating Surds,Algebraic Fractions, Proof, Functions, Vectors, Direct and Inverse Proportion, Transformations of Graphs, Gradients and Areas

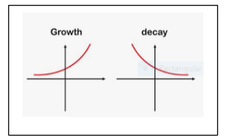
Foundation: Direct & Inverse Proportion, End of Year Catch-up & Consolidation

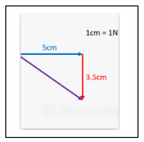
Higher: Iteration, End of Year Catch-up & Consolidation











Foundation: Quadratic Expressions / Equations / Graphs, Circles, Advanced Volume & Surface Area, Standard Form

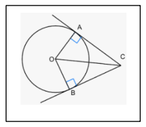
Higher: Similarity & congruence, Further Trigonometry, Graphs of Trig Functions, Comparing Data & Box Plots

Foundation & Higher: Year 11 Exam analysis & teacher judgement to determine class by class teaching

Foundation: Growth & Decay, Plans & Elevations, Constructions & Loci, Scale Diagrams, Bearings

Higher: Probability, Venn Diagrams, Probability Tree Diagrams, Compound Measures, Growth & Decay

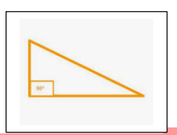
$$2x + y = 12$$
$$6x + 5y = 40$$



Foundation: Similarity & Congruence, Vectors, Rearranging Formulae, Simultaneous Equations, graphs

Higher: Representing Continuous data, Sketching Graphs, Circle Theorems, Rearranging Formulae

$$a : b = c : d$$
$$\frac{a}{b} = \frac{c}{d}$$



Year 10

Foundation: Transformation, Ratio & Proportion, right-angled triangles

Higher: Transformations, Plans & Elevations, Constructions & Loci, Scale Diagrams, Bearings, Quadratic and Cubic Expressions

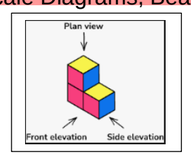
Foundation: Probability, Venn Diagrams, Probability Tree Diagrams, Compound Measures

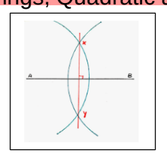
Higher: Quadratic Equations, Simultaneous Equations, Linear Inequalities, Harder Inequalities

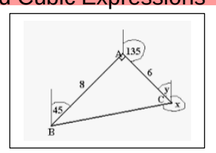
$$ax^2 + bx + c = 0$$

Exam Specification:

Should this QR code not work, please click here for the relevant specification.







$$2x + y = 12$$
$$6x + 5y = 40$$