



Gordon's School Mathematics Department



GCSE - Curriculum Map

Key Words / Skills:

Command Words

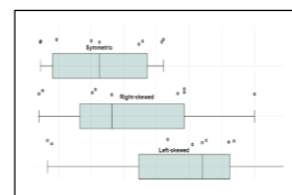
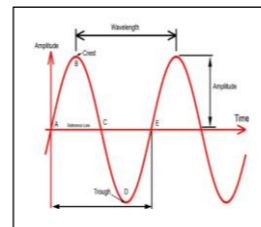
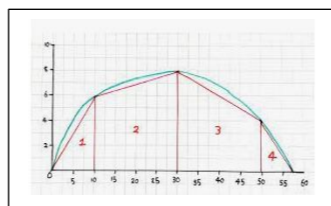
Simplify – simplify the given expression

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

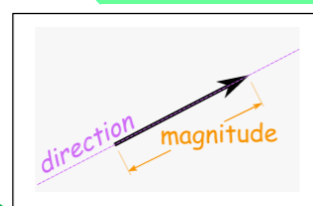
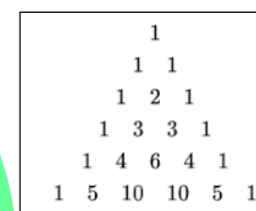
Explain – write a mathematical statement to show how you reached your conclusion



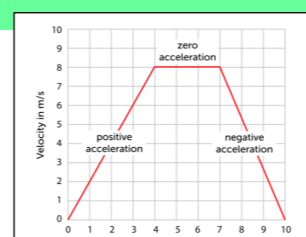
Foundation & Higher: Final Preparation and sitting GCSE Exams

Foundation & Higher: continue with topics & regular past paper practice
Set 1: AQA Level 2 Further Maths content

Foundation & Higher: Year 11 Exam analysis & teacher judgement to determine class by class teaching
Set 1: Begin AQA Level 2 Further Maths Qualification



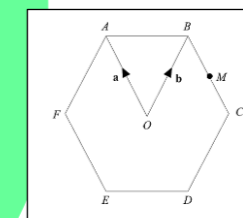
$$\begin{aligned} (d) \quad & \frac{x^2 - 7x - 8}{x^2 + 3x + 2} \\ &= \frac{(x - 8)(x + 1)}{(x + 2)(x + 1)} \\ &= \frac{x - 8}{x + 2} \end{aligned}$$



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

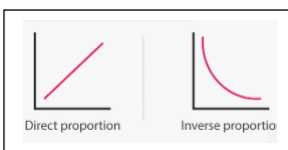
Higher: Manipulating Surds, Algebraic Fractions, Proof, Functions, Vectors, Direct and Inverse Proportion, Transformations of Graphs, Gradients and Area

Foundation & Higher: Mock Exam preparation, Exam and analysis



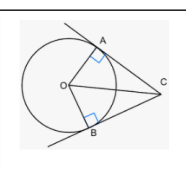
Year 11

Ingredients for 12 small cakes
180 g margarine
180 g sugar
200 g plain flour
1 teaspoon baking powder
2 eggs



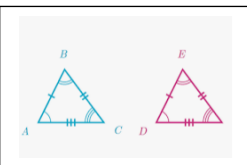
Core: Direct & Inverse Proportion, Vectors

Extension: Circle Theorems

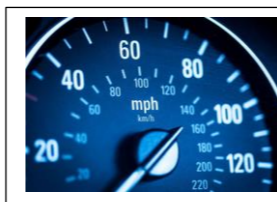
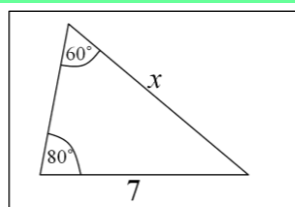


Core: Similarity & Congruence, Pythagoras and Trigonometry recap

Extension: Manipulating Surds, Representing Continuous data



$$\begin{aligned} 2x + y &= 12 \\ 6x + 5y &= 40 \end{aligned}$$

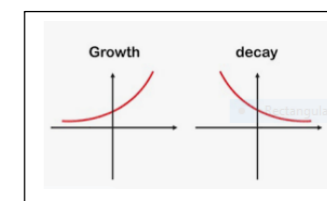


Core: Compound Measures, Rearranging Formulae, Simultaneous Equations

Extension: Harder Simultaneous Equations, Non Right-Angled Trigonometry

Core: Accuracy and Bounds, Probability, Venn Diagrams, Tree Diagrams, Growth and Decay

Extension: Algebraic Tree Diagrams



Year 10

Core: Quadratic Expressions, Quadratic Equations

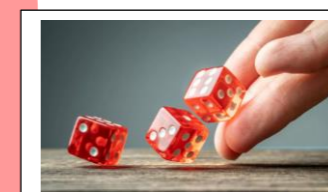
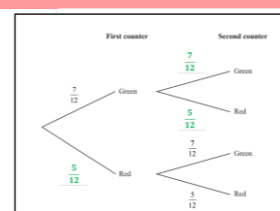
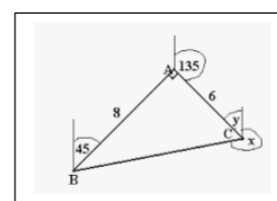
Extension: Quadratic Graphs, Quadratic Inequalities

Core: Transformations, Plans & Elevations, Constructions & Loci, Scale Diagrams, Bearings

Extension: Negative Enlargements

$$\frac{\sqrt{6}}{\sqrt{3}} = \sqrt{\frac{6}{3}} = \sqrt{2}$$

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



Exam Specification:



Should this QR code not work, please click [here](#) for the relevant specification.

