



Year 11 Raising Achievement Evening

Maths



CREATING A CLIMATE FOR GREAT LEARNING,
SUCCESS AND OPPORTUNITY

Key Exam Skills

- Read each question thoroughly – underline key words if necessary
- Never leave a question blank – you get a score of zero if you write nothing!
- If you are not sure of what to do, look to see if there is anything that can be at least started – you might get 1 or 2 marks.
- Don't rush the early questions – make sure you give these your best shot.
- Check each answer carefully – have you actually answered the question?



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Key Revision Advice for Mock Round 2

- Use the pinpoint website based on your recent mocks and any exam papers you have done at home / in class
- Download the bespoke documents and give the questions a go
- Use the matrix on pinpoint to see where your relative weak topics are
- Complete all papers that are set for you, more can be found online
- Use websites such as Corbett Maths or Maths Genie



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Learning Behaviours in the next 13 weeks

- Complete all Sparx Homework – this will help with your revision
- Attend all lessons and work to the best of your ability in each one
- make relevant notes from new material or revision topics
- attempt as many questions that are set – particularly the more challenging questions that might require you to solve problems.
- ask for help if needed
- attend intervention sessions!



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Grade 4 | Key Knowledge

[Compound Interest and Depreciation](#)

[Indices](#)

[Prime Factors, HCF and LCM](#)

[Real Life and Distance Time Graphs](#)

[Inequalities](#)

[Forming and Solving Equations](#)

[Sequences \(Nth Term\)](#)

[Expanding and Factorising](#)

[Pythagoras](#)

[Angles in Parallel Lines](#)

[Angles in Polygons](#)

[Surface Area](#)

[Volume of a Prism](#)

[Cylinders](#)

[Loci and Construction](#)

[Bearings](#)

[Plans and Elevations](#)

[Averages from Frequency Tables](#)

[Probability](#)

[Scatter Graphs](#)

<https://www.mathsgenie.co.uk/gcse.html>

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Grade 5 | Key Knowledge

[Writing a Ratio as a Fraction or Linear Function](#)

[Direct and Inverse Proportion](#)

[Reverse Percentages](#)

[Standard Form](#)

[Speed and Density](#)

[Changing the Subject of a Formula](#)

[Expanding and Factorising Quadratics](#)

[Solving Quadratics](#)

[Drawing Quadratic Graphs](#)

[Drawing Other Graphs: Cubic/Reciprocal](#)

[Simultaneous Equations](#)

[Solving Simultaneous Equations Graphically](#)

[Midpoint of a Line Segment](#)

[Gradient of a Line](#)

[Equation of a Line](#)

[Spheres and Cones](#)

[Sector Areas and Arc Lengths](#)

[Similar Shapes \(Lengths\)](#)

[SOHCAHTOA \(Trigonometry\)](#)

[Exact trig values](#)

[Vectors](#)

[Probability Trees](#)

[Venn Diagrams](#)

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Grade 7 | Key Knowledge

Surds

[Bounds](#)

[Direct and Inverse Proportion](#)

[Quadratic Formula](#)

[Factorising Harder Quadratics](#)

[Algebraic Fractions](#)

[Rearranging Harder Formulae](#)

[Trigonometric and Exponential Graphs](#)

[Inverse and Composite Functions](#)

[Iteration](#)

[Finding the Area of Any Triangle](#)

[The Sine Rule](#)

[The Cosine Rule](#)

[Congruent Triangles](#)

[3d Pythagoras and Trigonometry](#)

[Histograms](#)

[Conditional Probability](#)

<https://www.mathsgenie.co.uk/gcse.html>



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Grade 9 | Key Knowledge

[Quadratic Simultaneous Equations](#)

[Transforming Graphs \$y=f\(x\)\$](#)

[Proof](#)

[Completing the Square](#)

[The Nth Term of a Quadratic Sequence](#)

[Quadratic Inequalities](#)

[Velocity Time Graphs](#)

[Proof of the Circle Theorems](#)

[Perpendicular Lines and the equation of a tangent](#)

[Vectors Proof Questions](#)

[Probability Equation Questions](#)

<https://www.mathsgenie.co.uk/gcse.html>

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