

MATHEMATICS HIGHER (SETS 1a, 1b & 2a)

EXAM BOARD: EDEXCEL

- GCSE Paper 1 – Friday 19th May 2023 – 9am (Non-calculator)
- GCSE Paper 2 – Wednesday 7th June 2023 – 9am (Calculator)
- GCSE Paper 3 – Wednesday 14th June 2023 – 9am (Calculator)

Week	Focus	In School	At Home
30/01/23	Trigonometry	<ul style="list-style-type: none"> ● Missing sides and angles in right angled triangles ● Sine Rule ● Cosine Rule 	<p><u>Exam papers Set 1</u> Continue the exam papers given out in class (June 2018) Exam papers and answers can be found at https://www.mathsgenie.co.uk/papers.html</p> <p>Watch the following video and make notes - <u>All of Number in Less Than 1 Hour!! Foundation & Higher Grades 4-9 Maths Revision GCSE Maths Tutor - YouTube</u></p> <p>Complete a Mini Mock exam on OnMaths - https://www.onmaths.com/mock_exams/?archiveType=minimocks</p> <p>Watch Maths genie (grade 4 topics) and complete the questions on the video and exam questions worksheet. https://www.mathsgenie.co.uk/gcse.html</p> <p>Use Sparxmaths to complete independent revision https://www.sparxmaths.uk/</p>
06/02/23	Number	<ul style="list-style-type: none"> ● Recurring decimals ● Error intervals ● Calculations with bounds ● Problem solving 	<p>Revise for Friday Quiz 8 – Graphs Revision Guide Pages 25-30 and 39-40 Watch the following videos on Graphs (Maths genie) and complete the questions. https://www.mathsgenie.co.uk/equation-of-a-line.html https://www.mathsgenie.co.uk/parallel-and-perpendicular-lines.html https://www.mathsgenie.co.uk/equation-of-tangent.html https://www.mathsgenie.co.uk/quadratic-graphs.html https://www.mathsgenie.co.uk/cubic-reciprocal.html https://www.mathsgenie.co.uk/harder-graphs.html https://www.mathsgenie.co.uk/transforming-graphs.html</p> <p><u>Exam papers Set 2</u> Complete the exam papers given out in class (Nov 2018) and ask a parent/guardian to check your answers online and mark your work. Exam papers and answers can be found at https://www.mathsgenie.co.uk/papers.html</p> <p>Watch the following video and make notes - All of Probability in 30 Minutes!! Foundation & Higher Grades 4-9 Maths Revision GCSE Maths Tutor https://www.youtube.com/watch?v=h78FV6dRETI</p>

13/02/23	<h1>HALF TERM</h1>		<p><u>Exam papers Set 2</u> Continue the exam papers given out in class (Nov 2018) Exam papers and answers can be found at https://www.mathsgenie.co.uk/papers.html</p> <p>Watch the following video and make notes - All of Algebra in just over 1 Hour!! Foundation & Higher Grade 4-9 Maths Revision GCSE Maths Tutor https://www.youtube.com/watch?v=LPKH04Nw8Zk</p> <p>Complete a Mini Mock exam on OnMaths - https://www.onmaths.com/mock_exams/?archiveType=minimocks</p> <p>Watch Maths genie (grade 5 topics) and complete the questions on the video and exam questions worksheet. https://www.mathsgenie.co.uk/gcse.html</p>
20/02/23	<p>Vectors</p>	<ul style="list-style-type: none"> • Vector addition and subtraction • Vector proofs • Problem solving 	<p><u>Revise for Friday Quiz 9 – Pythagoras and Trigonometry</u> Revision Guide Pages 76-79 and 99-100 Watch the following videos on Pythagoras and trigonometry (Maths genie) and complete the questions. https://www.mathsgenie.co.uk/pythagoras.html https://www.mathsgenie.co.uk/3d-pythagoras.html https://www.mathsgenie.co.uk/sine-rule.html https://www.mathsgenie.co.uk/cosine-rule.html</p> <p><u>Exam papers Set 3</u> Complete the exam papers given out in class (June 2019) and ask a parent/guardian to check your answers online and mark your work. Exam papers and answers can be found at https://www.mathsgenie.co.uk/papers.html</p> <p>Watch the following video and make notes - All of Ratio in 30 Minutes!! Foundation & Higher Grades 4-9 Maths Revision GCSE Maths Tutor https://www.youtube.com/watch?v=blzZWMWog8c</p>
27/02/23	<p>Algebra</p>	<ul style="list-style-type: none"> • Algebraic Fractions • Algebraic Proof 	<p><u>Exam papers Set 3</u> Continue the exam papers given out in class (June 2019) Exam papers and answers can be found at https://www.mathsgenie.co.uk/papers.html</p> <p>Watch the following video and make notes All of Statistics in 30 Minutes!! Foundation & Higher Grades 4-9 Maths Revision GCSE Maths Tutor https://www.youtube.com/watch?v=UK3vRw1MKps</p> <p>Complete a Mini Mock exam on OnMaths - https://www.onmaths.com/mock_exams/?archiveType=minimocks</p> <p>Watch Maths genie (grade 6 topics) and complete the questions on the video and exam questions worksheet. https://www.mathsgenie.co.uk/gcse.html</p>

06/03/23	Ratio	<ul style="list-style-type: none"> • Ratio revision • Compound Interest • Iterations • Currency conversion/best buy • Worded Inverse proportion • Algebraic ratio 	<p>Revise for Friday Quiz 10 – Proportion and similarity Revision Guide Pages 68-70 and 97-98 Watch the lessons on Direct and inverse proportion and similarity (Maths genie) and complete the questions. https://www.mathsgenie.co.uk/direct-and-inverse-proportion.html https://www.mathsgenie.co.uk/similar-shapes-length.html https://www.mathsgenie.co.uk/similar-shapes-area-volume.html</p> <p><u>Exam papers Set 4</u> Complete the exam papers given out in class (Nov 2019) and ask a parent/guardian to check your answers online and mark your work. Exam papers and answers can be found at https://www.mathsgenie.co.uk/papers.html</p> <p>Watch the following video and make notes All of Geometry in 1 hour!! Foundation & Higher Grades 4-9 Maths Revision GCSE Maths Tutor https://www.youtube.com/watch?v=RMJCOI6qtUA</p>
13/03/23 (Assessment Week)	Independent revision	Mock Exams Paper 1– Non-calculator Paper 2 – Calculator Paper 3 – Calculator	<p>Use the multiple resources given this year</p> <ul style="list-style-type: none"> • Revise using Mathsgenie – videos, worksheets and solutions https://www.mathsgenie.co.uk/gcse.html • Revisit the exam papers given out in class (Sets 1-4) and check your work using the online solutions on Mathsgenie https://www.mathsgenie.co.uk/papers.html <p>Watch the following videos and make notes Everything You Need to Pass Your GCSE Maths Exam! In 2 hours! Higher & Foundation Revision Edexcel https://www.youtube.com/watch?v=8A3crqKb13I</p> <p>Everything for a Grade 6-9 in your GCSE Maths Exam! In 2 hours! Higher Maths Exam Revision Edexcel https://www.youtube.com/watch?v=o9VuZhCqR2U</p> <p>Use Sparxmaths to complete independent revision https://www.sparxmaths.uk/</p>
20/03/23	Geometry	<ul style="list-style-type: none"> • Transformations • Similarity • Congruence • Construction and Loci 	<p><u>Exam papers Set 5</u> Complete the exam papers given out in class (June 2020) and ask a parent/guardian to check your answers online and mark your work. Exam papers and answers can be found at https://www.mathsgenie.co.uk/papers.html</p> <p>Complete a Mini Mock exam on OnMaths - https://www.onmaths.com/mock_exams/?archiveType=minimocks</p> <p>Watch Maths genie (grade 7 topics) and complete the questions on the video and exam questions worksheet. https://www.mathsgenie.co.uk/gcse.html</p>

27/03/23	Angles and Revision	<ul style="list-style-type: none"> • Circle theorems • Revision based on Mock exams/ Quizzes/ CPL tasks 	<p>Self-determined revision – go through the <u>QLA</u> and revise red and amber topics. Use Mathsgenie, Corbettmaths or Sparxmaths to close gaps in learning.</p> <p>https://www.mathsgenie.co.uk https://corbettmaths.com/contents/ https://www.sparxmaths.uk/</p> <p><u>Exam papers Set 5</u> Continue the exam papers given out in class (June 2020) Exam papers and answers can be found at https://www.mathsgenie.co.uk/papers.html</p> <p>Watch Maths genie (grade 8/9 topics) and complete the questions on the video and exam questions worksheet. https://www.mathsgenie.co.uk/gcse.html</p> <p>Complete a Predicted paper on OnMaths - https://www.onmaths.com/mock_exams/?archiveType=predictions</p>
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