



Y11 Learning Journey. Subject: Maths GCSE

Exam Requirements: Your GCSE in Maths is structured, and examined, in the following way:

Paper One:	Paper Two:	Paper Three:
Non-Calculator, 1.5 hours. Some topics are more likely to come up on non-calculator, but there is not list of topics specific to this paper.	Calculator, 1.5 hours. This is no specific list of topics for this paper; it could be anything that was not on paper 1	Calculator, 1.5 hours. This is no specific list of topics for this paper; it could be anything that was not on paper 1 or paper 2. After paper 2, we will make a list of likely topics for paper 3.

Overview of the Year:

Week Beginning	The focus of your learning or revision this week: (the number in brackets is the grade level of the topic and helps you find it on Maths Genie • Learn GCSE Maths for Free)	Key assessment pieces or specific homework tasks (including deadlines of any coursework/NEAs)
05/09/22	Straight line graphs $y = mx + c$: gradient of a line & equation of a line (5), parallel and perpendicular lines (6)	In your 4 th hour maths lesson (the one with a different teacher), you will be working on indices (4)
12/09/22	Advanced trig: The sine rule & the cosine rule (7), Finding the area of any triangles (7)	4 th hour: Indices (4)
19/09/22	Inequalities: Inequalities (4), Inequalities on graphs, Quadratic inequalities (8/9)	4 th hour: Expand triple brackets (6)
26/09/22	Area and volume: Spheres and cones (5), Similar shapes (6)	4 th hour: Sequences (nth term) (4)
03/10/22	Capture recapture (6), Direct and inverse proportion (7)	4 th hour: The nth term of a quadratic sequence (8/9)
10/10/22	The product rule for counting (6), Probability equation questions (8/9)	4 th hour: Iteration (7)
17/10/22	Vectors (5), Vectors proof questions (8/9)	Assessment: In class tests on the topics covered so far in year 11.
Half term		
31/10/22	Proof & Proof of the circle theorems (8/9)	4 th hour: Inverse and composite functions (7)
07/11/22	Surds (7), Completing the square (8/9)	4 th hour: Inverse and composite functions (7)
14/11/22	Simultaneous equations & Solving graphically (5), Quadratic simultaneous equations (8/9)	4 th hour: Plans and elevations (4)
21/11/22	Velocity time graphs (8/9)	4 th hour: Prime factors, HCF and LCM (4)
28/11/22	Histograms (7)	4 th hour: Negative and fractional indices (6)
05/12/22	Preparing for mock exam	4 th hour: Recurring decimals to fractions (6)
12/12/22	Assessment Week One	
19/12/22	Exam feedback	
Christmas Break		
09/01/23	Trigonometric and exponential graphs (7), Exact trig values (5)	4 th hour: Histograms (7)
16/01/23	Transforming graphs $y = f(x)$ (8/9)	4 th hour: Exam paper practice
23/01/23	Congruent triangles (7)	4 th hour: Exam paper practice
30/01/23	Loci and construction (4)	4 th hour: Exam paper practice
06/02/23	3D Pythagoras and trigonometry	4 th hour: Exam paper practice
Half Term		
20/02/23	Rearranging harder formulae (7), Algebraic fractions (7)	4 th hour: Exam paper practice
27/02/23	Perpendicular lines and the equation of a tangent (8/9)	4 th hour: Exam paper practice

06/03/23	Cumulative frequency & box plots (6)	
13/03/23	Drawing quadratic graphs & Drawing other graphs: cubic / reciprocal (5)	4 th hour: Exam paper practice
20/03/23	Revision	4 th hour: Exam paper practice
27/03/23	Revision	4 th hour: Exam paper practice
03/04/23	Revision	4 th hour: Exam paper practice
Easter Break		
24/04/23	Revision	4 th hour: Exam paper practice
01/05/23	Revision	4 th hour: Exam paper practice
08/05/23	Revision	4 th hour: Exam paper practice
15/05/23	Provisional start to the GCSE Exams	

<p>Exam Practice:</p> <p>You can find past papers to help support your revision and develop your exam technique here:</p> <p>Maths Genie • Edexcel GCSE Maths Past Papers, Mark Schemes, Model Answers and Video Solutions</p>	<p>Revision Materials:</p> <p>We advise that you use the following revision materials:</p> <p>Include links to revision guides, revision checklists, knowledge organisers, skills check etc.</p> <p>Revision guides GCSE Maths CGP Books</p> <p>Mainly, revise topics using Maths Genie • Learn GCSE Maths for Free and exam papers using Maths Genie • Edexcel GCSE Maths Past Papers, Mark Schemes, Model Answers and Video Solutions</p>
<p>Glossaries:</p> <p>Vocabulary lists to support your revision can be found here:</p> <p>Maths Glossary (studymaths.co.uk)</p>	<p>Advice and Guidance for Revision</p> <p>Include any other helpful tips, guidance or advice about how to approach revision in your subject here</p> <p>In maths, you must do questions. And the best questions are found in past papers. Don't do too much note taking or highlighting; this gives you a feeling of understanding but you might struggle to do the questions on your own.</p>