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	2 hours (CS) - 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)	1 hour (MP) - 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	The sine rule (7); the cosine rule (7),	Gradient of a line (5). Equation of a line (5).	In your 4th hour maths lesson (the one with a different teacher), you will be working on indices (4)
12/09/22	Inequalities (4); Inequalities on Graphs (6)	Parallel and perpendicular lines (6).	4th hour: Indices (4)
19/09/22	Volume of a prism (4); surface area (4); cylinders (4); spheres and cones (5);	Parallel and perpendicular lines (6).	4th hour: Expand triple brackets (6)
26/09/22	Similar shapes (lengths) (5); similar shapes (area and volume) (6)	Drawing quadratic graphs (5)	4th hour: Sequences (nth term) (4)
03/10/22	Capture Recapture (6)	Drawing quadratic graphs (5)	4th hour: The nth term of a quadratic sequence (8/9)
10/10/22	Product Rule for Counting (6)	Drawing quadratic graphs (5)	4th hour: Iteration (7)
17/10/22	Quadratic Inequalities (8/9)	Completing the square (8/9).	Assessment: In class tests on the topics covered so far in year 11.
		Half Term	
31/10/22	Proof (8/9)	Completing the square (8/9).	4th hour: Inverse and composite functions (7)
07/11/22	Surds (7)	Completing the square (8/9).	4th hour: Inverse and composite functions (7)
14/11/22	Geometric Sequences	Drawing Other Graphs: Cubic/Reciprocal (5)	4th hour: Plans and elevations (4)
21/11/22	Simultaneous Equations (5)	Trigonometric and exponential graphs (7)	4th hour: Prime factors, HCF and LCM (4)
28/11/22	Solving Simultaneous Equations graphically (5) Quadratic Simultaneous equations (8/9)	Perpendicular Lines and the equation of a tangent (8/9)	4th hour: Negative and fractional indices (6)
05/12/22	Revision	Transforming Graphs (8/9)	4th hour: Recurring decimals to fractions (6)
12/12/22		**Assessment Week One**	
19/12/22	**Exam feedback**		
		Christmas Break	
09/01/23	Congruent triangles (7)	Transforming Graphs (8/9)	4th hour: Histograms (7)

16/01/23	Vectors (5)	Transforming Graphs (8/9)	4th hour: Exam paper practice
23/01/23	Vectors proof Questions (8/9)	Factorising Harder Quadratics (7)	4th hour: Exam paper practice
30/01/23	Surds (7)	Factorising Harder Quadratics (7)	4th hour: Exam paper practice
06/02/23	Perpendicular lines and the equation of a tangent (8/9)	Revision – conditional probability (7) - Cumulative Frequency (6)	4th hour: Exam paper practice
Half Term			
20/02/23	Loci and Construction (4)	Iteration (7)	4th hour: Exam paper practice
27/02/23	Velocity Time Graphs (8/9)	Iteration (7)	4th hour: Exam paper practice
06/03/23	**Assessment Week Two**		
13/03/23	Proof of Circle Theorems (8/9)	3d Pythagoras and Trigonometry (7)	4th hour: Exam paper practice
20/03/23	Probability Equation Questions (8/9)	3d Pythagoras and Trigonometry (7)	4th hour: Exam paper practice
27/03/23	Revision	3d Pythagoras and Trigonometry (7)	4th hour: Exam paper practice
03/04/23	Revision	Revision	4th hour: Exam paper practice
Easter Break			
24/04/23	Revision	Revision	4th hour: Exam paper practice
01/05/23	Revision	Revision	4th hour: Exam paper practice
08/05/23	Revision	Revision	4th hour: Exam paper practice
15/05/23	**Provisional start to the GCSE Exams**		

Exam Practice: You can find past papers to help support your revision and develop your exam technique here: Maths Genie • Edexcel GCSE Maths Past Papers, Mark Schemes, Model Answers and Video Solutions	**Revision Materials:** We advise that you use the following revision materials: Include links to revision guides, revision checklists, knowledge organisers, skills check etc. Revision guides GCSE Maths | CGP Books 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
Glossaries: Vocabulary lists to support your revision can be found here: Maths Glossary (studymaths.co.uk)	**Advice and Guidance for Revision** Include any other helpful tips, guidance or advice about how to approach revision in your subject here 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.