



## 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 <a href="#">Maths Genie • Learn GCSE Maths for Free</a> )	Key assessment pieces or specific homework tasks (including deadlines of any coursework/NEAs)
05/09/22	Direct and inverse proportion (5); Solving equations (3); Forming and solving (4)	In your 4 <sup>th</sup> hour maths lesson (the one with a different teacher), you will be working on indices (4)
12/09/22	Direct and inverse proportion (7);	4 <sup>th</sup> hour: Indices (4)
19/09/22	Surds (7);	4 <sup>th</sup> hour: Expand triple brackets (6)
26/09/22	Trigonometry (5); The sine rule (7);	4 <sup>th</sup> hour: Sequences (nth term) (4)
03/10/22	the cosine rule (7), Finding the area of any triangle (7); 3d Pythagoras and trigonometry (7)	4 <sup>th</sup> hour: The nth term of a quadratic sequence (8/9)
10/10/22	Simplifying algebra (2); expanding and factorising (4); expanding and factorising quadratics (5); factorising harder quadratics (7)	4 <sup>th</sup> hour: Iteration (7)
17/10/22	changing the subject of a formula (5); quadratic formula (7)	Assessment: In class tests on the topics covered so far in year 11.
<b>Half Term</b>		
31/10/22	Percentages (3); Percentage change (3); compound interest and depreciation (4); reverse percentages (5); repeated percentage change (6)	4 <sup>th</sup> hour: Inverse and composite functions (7)
07/11/22	Drawing graphs (3); drawing quadratic graphs (5); drawing other graphs cubic/reciprocal (5); solving simultaneous equations graphically (5);	4 <sup>th</sup> hour: Inverse and composite functions (7)
14/11/22	Simultaneous equations (5);	4 <sup>th</sup> hour: Plans and elevations (4)
21/11/22	gradient of a line (5); equation of a line (5); parallel and perpendicular lines (6); <b>inequalities on graphs (6); trigonometric and exponential graphs (7)</b>	4 <sup>th</sup> hour: Prime factors, HCF and LCM (4)
28/11/22	Probability trees (5); Venn diagrams (5);	4 <sup>th</sup> hour: Negative and fractional indices (6)
05/12/22	Revision	4 <sup>th</sup> hour: Recurring decimals to fractions (6)
12/12/22	<b>Assessment Week One</b>	
19/12/22	Exam feedback	
<b>Christmas Break</b>		
09/01/23	Similar shapes (lengths) (5); similar shapes (area and volume) (6)	4 <sup>th</sup> hour: Histograms (7)
16/01/23	Volume of a prism (4); surface area (4); cylinders (4); spheres and cones (5);	4 <sup>th</sup> hour: Exam paper practice
23/01/23	cumulative frequency (6), box plots (6); histograms (7)	4 <sup>th</sup> hour: Exam paper practice
30/01/23	Angles (2); angles in parallel lines (4); angles in polygons (4);	4 <sup>th</sup> hour: Exam paper practice

06/02/23	Circle theorems (6);	4 <sup>th</sup> hour: Exam paper practice
<b>Half Term</b>		
20/02/23	Transformations (3); enlarging with negative scale factors (6)	4 <sup>th</sup> hour: Exam paper practice
27/02/23	Direct and inverse proportion (6)	4 <sup>th</sup> hour: Exam paper practice
<b>Assessment Week Two</b>		
06/03/23		
13/03/23	Speed and density (5)	4 <sup>th</sup> hour: Exam paper practice
20/03/23	Standard form (5)	4 <sup>th</sup> hour: Exam paper practice
27/03/23	Bounds (7)	4 <sup>th</sup> hour: Exam paper practice
03/04/23	Revision	4 <sup>th</sup> hour: Exam paper practice
<b>Easter Break</b>		
24/04/23	Revision	4 <sup>th</sup> hour: Exam paper practice
01/05/23	Revision	4 <sup>th</sup> hour: Exam paper practice
08/05/23	Revision	4 <sup>th</sup> hour: Exam paper practice
15/05/23	<b>Provisional start to the GCSE Exams</b>	

<p><b>Exam Practice:</b></p> <p>You can find past papers to help support your revision and develop your exam technique here:</p> <p><a href="#">Maths Genie • Edexcel GCSE Maths Past Papers, Mark Schemes, Model Answers and Video Solutions</a></p>	<p><b>Revision Materials:</b></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 <a href="#">GCSE Maths   CGP Books</a>  Mainly, revise topics using <a href="#">Maths Genie • Learn GCSE Maths for Free</a>  and exam papers using <a href="#">Maths Genie • Edexcel GCSE Maths Past Papers, Mark Schemes, Model Answers and Video Solutions</a></p>
<p><b>Glossaries:</b></p> <p>Vocabulary lists to support your revision can be found here:</p> <p><a href="#">Maths Glossary (studymaths.co.uk)</a></p>	<p><b>Advice and Guidance for Revision</b></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>