Y11 Learning Journey. Subject: Maths

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	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 https://www.mathsgenie.co.uk/gcse.php)	In your 4th hour maths lesson, you will be working on
1	Linear inequalities (solving and on number line)(4) graphing (6)	Collect like terms, nth term linear
2	Factorising linear expressions and quadratics a=1 (4)	Describe and construct translations and reflections
3	Angles in polygons (4)	Describe and construct rotation and enlargement
4	Percentages recap (4-6)	Plans and Elevations
5	Simultaneous equations (5)	Use primes, squares, cubes, roots, factors and multiples and prime factorisation
6	Averages from a table (4)	Laws of Indices
7	Knowledge check and revision	Multiply triple brackets
Half Term		
1	Trigonometry (5)	Prime factorisation
2	Advanced trig	Frequency trees
3	Recurring decimal to fractions (6)	Probability of events and expected outcomes
4	**Assessment Week One**	
5	Algebraic fractions (7)	Negative and fractional indices
6	Volume of a cylinder (4)	Revision
7	Compound interest and depreciation (4)Reverse percentages and percentage multipliers (5)	Systematic listing, two-way tables, sample space diagrams
Christmas Break		

1	Iteration (7)	Revision
2	Linear graphs (5) equation of a line, gradient of a line, y-intercept, drawing graphs Graphing inequalities	Exam paper practice
3	Standard form (5)	4th hour: Exam paper practice
4	Nth term quadratic	4th hour: Exam paper practice
5	Box plots (6)	4th hour: Exam paper practice
	Half Term	
1	**Assessment Week Two**	
2	Area and volume, surface area (4)	4th hour: Exam paper practice
3	Expanding brackets, multiple single. Double, triple (3 – 6)	4th hour: Exam paper practice
4	Direct and inverse proportion (4&5)	4th hour: Exam paper practice
5	Circles, sector area, arc length (5)	4th hour: Exam paper practice
6	Revision	4th hour: Exam paper practice
	Easter Break	
1	Revision	4th hour: Exam paper practice
2	Revision	4th hour: Exam paper practice
3	Revision	4th hour: Exam paper practice
4	Revision	4th hour: Exam paper practice
5	**Provisional start to the GCSE Exams**	

Exam Practice:	Revision Materials:
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	We advise that you use the following revision materials: 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** 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.