

## Further Maths Revision List Summer 2025

**Exam information:****2 papers both 1hr 30 mins each****Paper 1 – Pure****Paper 2 – 40 marks mechanics, 40 marks stats**

Topic	Revised?
<b>Pure – Paper 1</b>	
<b>Complex Numbers</b> Properties and Arithmetic Solving polynomials Argand Diagrams Modulus Argument Form and loci	
<b>Algebra and Series</b> Roots of polynomials Inequalities Summing of Series and Method of Differences Proof by Induction MacLaurin Series	
<b>Curve Sketching</b> Linear rational functions Quadratic rational functions Polar coordinates Parabolas, ellipses and hyperbolas Hyperbolic functions	
<b>Integration</b> Mean values Volumes of revolution	
<b>Matrices</b> Properties and Arithmetic Transformations Systems of Linear equations	
<b>Vectors</b> The vector Equation of a line Scalar Product Finding Distances	
<b>Mechanics – Paper 2</b>	
<b>Forces and Energy</b> Work, Energy, Power Hooke's Law Dimensional Analysis	
<b>Momentum</b> Conservation of Momentum Collisions Impulses	
<b>Circular Motion</b> Kinematics of Circular Motion Horizontal Circular Motion	
<b>Stats – Paper 2</b>	
<b>Discrete and Continuous Random Variables</b> Discrete Distributions and Expectation Poisson Distribution Continuous Distributions	
<b>Hypothesis Testing and Contingency Tables</b>	

Hypothesis Testing and Errors Contingency Tables Confidence Intervals	
Revision Links	
CGP Physical textbook Kerboodle online textbook - <a href="https://www.kerboodle.com/users/login">https://www.kerboodle.com/users/login</a> Physics and maths tutor - <a href="https://www.physicsandmathstutor.com/maths-revision/">https://www.physicsandmathstutor.com/maths-revision/</a> Maths genie - <a href="https://www.mathsgenie.co.uk/newalevel2.php">https://www.mathsgenie.co.uk/newalevel2.php</a> Dr Frost  Past Papers with solutions - <a href="https://www.physicsandmathstutor.com/maths-revision/a-level-aqa/papers-further-as/">https://www.physicsandmathstutor.com/maths-revision/a-level-aqa/papers-further-as/</a>	