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| 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? |
| **Pure – Paper 1** |  |
| **Complex Numbers**Properties and ArithmeticSolving polynomialsArgand DiagramsModulus Argument Form and loci |  |
| **Algebra and Series**Roots of polynomialsInequalitiesSumming of Series and Method of DifferencesProof by InductionMacLaurin Series  |  |
| **Curve Sketching**Linear rational functionsQuadratic rational functionsPolar coordinatesParabolas, ellipses and hyperbolasHyperbolic functions |  |
| **Integration**Mean valuesVolumes of revolution |  |
| **Matrices**Properties and ArithmeticTransformations Systems of Linear equations |  |
| **Vectors**The vector Equation of a lineScalar ProductFinding Distances |  |
| **Mechanics – Paper 2** |  |
| **Forces and Energy**Work, Energy, PowerHooke’s LawDimensional Analysis |  |
| **Momentum**Conservation of MomentumCollisionsImpulses |  |
| **Circular** MotionKinematics of Circular MotionHorizontal Circular Motion |  |
| **Stats – Paper 2** |  |
| **Discrete and Continuous Random Variables**Discrete Distributions and ExpectationPoisson DistributionContinuous Distributions |  |
| **Hypothesis Testing and Contingency Tables**Hypothesis Testing and ErrorsContingency TablesConfidence Intervals |  |
| Revision Links |
| CGP Physical textbookKerboodle online textbook - <https://www.kerboodle.com/users/login> Physics and maths tutor - <https://www.physicsandmathstutor.com/maths-revision/> Maths genie - <https://www.mathsgenie.co.uk/newalevel2.php> Dr FrostPast Papers with solutions - <https://www.physicsandmathstutor.com/maths-revision/a-level-aqa/papers-further-as/>  |