

**Year 12 AS Further Mathematics Topic Revision List**

<b>Paper 1</b>
Complex numbers involving Argand diagrams
Complex numbers involving roots
Distance between two points
Geometric transformations involving matrices
Matrix manipulation
Non-singular matrices
Roots of cubic and quartic equations
Summation of series
Vector equation of a line and plane
Volume of revolution

<b>Paper 2</b>
Discrete random variables
Chi-squared contingency tables
Poisson distribution
Chi-squared goodness of fit tests
Coefficient of restitution and loss of kinetic energy
Conservation of energy
Impulse and momentum
Work and Power