

A Level Further Mathematics Personalised Learning Checklist

Year 12 Pure

Chapter	Topic	Confidence score (10 most confident)	Revised/Covered in Retrieval Quiz	Additional Notes
1	Matrices and Transformations			
2	Complex Numbers (intro)			
3	Roots of Polynomials			
4	Sequences and Series			
5	Complex numbers (geometry)			
6	Matrices and Inverses			
7	Vectors and 3D Space			

Year 13 Pure

Chapter	Topic	Confidence score	Revised/Covered in Retrieval Quiz	Additional Notes
1	Vectors 1			
2	Matrices			
3	Series and Induction			
4	Further Calculus			
5	Polar Coordinates			
6	Maclaurin Series			
7	Hyperbolic Functions			
8	Application of Integration			
9	First Order DE			
10	Complex Numbers			
11	Vectors 2			
12	Second Order DE			

Year

12/13

Statistics Minor

Chapter	Topic	Confidence score	Revised/Covered in Retrieval Quiz	Additional Notes
1	Statistical Problem Solving			
2	Discrete Random Variables			
3	Binomial/ Poisson (DPDs)			
4	Correlation Coefficients			
5	Regression Lines			
6	Chi-squared tests			

Year

12/13

Numerical Methods Minor

Chapter	Topic	Confidence score	Revised/Covered in Retrieval Quiz	Additional Notes
1	Approximations			
2	Solutions of equations			
3	Numerical integration			
4	Approximating functions			
5	Numerical differentiation			
6	Rates of convergence			

Year

12/13

Algorithms Minor

Chapter	Topic	Confidence score	Revised/Covered in Retrieval Quiz	Additional Notes
1	Algorithms Minor			
2	Graphs/Networks			
3	Kruskal's/Prim's/Dijkstra's			
4	Critical Path Analysis			
5	Linear Programming			
6	Simplex Method			
7	Reformulating as LP Problems			