

Further Mathematics – Year 12 Report Feedback Sheet

Please find below information on each of the topics outlined on your child’s report for further mathematics. We have listed each topic based on your child’s report to help you support your child in improving on their ‘insecure’ or ‘developing’ topics. The resources listed below contain a link to a tutorial on that topic, a set of exam questions and the mark scheme.

Topic 1 – D1	Resources
Linear programming	Course: Edexcel Further Mathematics: Decision Mathematics 1, Topic: Linear programming 1: Formulating and solving graphically (integralmaths.org)
	linearp_q1.pdf (wordpress.com)

Topic 2 – Core Pure	Resources
Matrices - solving	Matrices - Solving Simultaneous Equations Exam Questions.pdf (alevelmathsrevision.com)
	Matrices - Solving Simultaneous Equations Exam Questions MS.pdf (alevelmathsrevision.com)
	Solving Simultaneous Equations Using Matrices [Yr1 Further (Pure Core)] - YouTube

Topic 3 - Core Pure	Resources
Loci and argand diagrams	Straight Lines on the Argand Diagram [Yr1 Further (Pure Core)] - YouTube
	Complex Numbers - The Argand Diagram and Loci Exam Questions.pdf (alevelmathsrevision.com)
	Complex Numbers - The Argand Diagram and Loci Exam Questions MS.pdf (alevelmathsrevision.com)

Topic 4 - Core Pure	Resources
Proof by Induction - Sequences	Proof By Induction (Summations) [Yr2 OCR/Yr1 Edexcel and MEI (Further) Pure Core] - YouTube
	Proof By Induction (Inductive Sequences) Exam Questions.pdf (alevelmathsrevision.com)
	Proof By Induction (Inductive Sequences) Exam Questions MS.pdf (alevelmathsrevision.com)

Topic 5 - Core Pure	Resources
Vectors	Vector and Cartesian Forms of Straight Lines in 3d [Yr1 (Further) Pure Core] - YouTube
	Vectors Exam Questions.pdf (alevelmathsrevision.com)
	Vectors Exam Questions MS.pdf (alevelmathsrevision.com)

Topic 6 - Core Pure	Resources
Roots of polynomials	Roots of Polynomials (Quadratics and Cubics) [Yr1 (Further) Pure Core] - YouTube
	Roots of Polynomials Exam Questions.pdf (alevelmathsrevision.com)
	Roots of Polynomials Exam Questions MS.pdf (alevelmathsrevision.com)