

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 that has been covered this term to help you support your child in improving on their 'insecure' or 'developing' topics. We have directed you to the accompanying resources to allow your child to improve by listing a link to a tutorial that will explain the relevant topic and a link to exam questions that your child can complete to ensure they have secured their understanding.

Topic 1 -	Resources		
Complex	Tutorial:		
Numbers	https://www.youtube.com/watch?v=zr8sRT_bG9k		
	Exam Questions:		
	Complex Numbers - Basic Operations Exam		
	Questions.pdf (alevelmathsrevision.com)		

Topic 2 -	Resources
Argand	Tutorial:
Diagrams	Straight Lines on the Argand Diagram [Yr1 Further
	(Pure Core)] - YouTube
	Exam Questions:
	Complex Numbers - The Argand Diagram and Loci
	Exam Questions.pdf (alevelmathsrevision.com)

Topic 3 -	Resources
Series	Tutorial:
	Summation of Series (Standard Formulae) [Yr1
	Edexcel/Yr2 OCR and MEI (Further) Pure Core] -
	<u>YouTube</u>
	Exam Questions:
	Summations (Standard Formulae) Exam Questions.pdf
	(alevelmathsrevision.com)

Topic 4 -	Resources
Roots of	Tutorial:
Polynomials	Roots of Polynomials (Quadratics and Cubics) [Yr1
	(Further) Pure Core] - YouTube
	Exam Questions:
	Roots of Polynomials Exam Questions.pdf
	(alevelmathsrevision.com)

Topic 5 -	Resources
Proof by Induction	Tutorial: Proof By Induction (Divisibility of Expressions) [Yr1
	(Further) Pure Core] - YouTube
	Exam Questions:
	<u>Proof By Induction (Divisibility) Exam Questions.pdf</u> (alevelmathsrevision.com)

Topic 6 -		Resources
Forces Friction	&	Tutorial: https://www.youtube.com/watch?v=kLVBBUfVE3g
		Exam Questions: Statics and Dynamics in 2d With Friction Exam Questions.pdf (alevelmathsrevision.com)

Topic 7 -	Resources
Dijsktra's	Tutorial:
	Course: Edexcel Further Mathematics: Decision
	Mathematics 1, Topic: Networks 2: Shortest paths
	(integralmaths.org)
	Exam Questions:
	Networks (integralmaths.org)

Topic 8 -	Resources
Floyd's Algorithm	Tutorial: Course: Edexcel Further Mathematics: Decision Mathematics 1, Topic: Networks 2: Shortest paths (integralmaths.org)
	Exam Questions: In Year FM team under Files -> Report work