Scheme of Work A Level Further Mathematics

We use the Edexcel exam board. Our current scheme of work is given below.

A Level Further Maths Year 12

In year 12 we study the Decision unit, alongside the pure content.

Time	Teacher 1 (Pure)	Teacher 2 (Decision)
Week 1	Matrices	Algorithms
Week 2	Matrices	Algorithms
Week 3	Matrices	Algorithms
Week 4	Matrices	Algorithms
Week 5	Matrices	Graphs and Networks
Week 6	Series	Graphs and Networks
Week 7	Series	Graphs and Networks
Half Term Break		
Week 8	Revision and Assessments	Graphs and Networks
Week 9	Roots of Polynomials	Algorithms on Graphs
Week 10	Roots of Polynomials	Algorithms on Graphs
Week 11	Roots of Polynomials	Algorithms on Graphs
Week 12	Proof by Induction	Algorithms on Graphs
Week 13	Proof by Induction	Route Inspection
Week 14	Proof by Induction	Route Inspection
Christmas Break		
Week 15	Revision and Assessments	
Week 16	Complex Numbers	Travelling Salesperson
Week 17	Complex Numbers	Travelling Salesperson
Week 18	Argand Diagrams	Travelling Salesperson
Week 19	Argand Diagrams	Linear Programming
Week 20	Vectors	Linear Programming
Half Term Break		
Week 21	Vectors	Linear Programming
Week 22	Revision and Assessments	
Week 23	Vectors	Linear Programming
Week 24	Volumes of Revolution	Simplex Algorithm
Week 25	Volumes of Revolution	Critical Path Analysis
Week 26	Volumes of Revolution	Critical Path Analysis
Easter Holidays		
Week 27	Volumes of Revolution	Critical Path Analysis
Week 28	Revision	

Week 29	End of Year 12 Exams	
Week 30		
Week 31	Year 2 Complex Numbers	Year 2 Methods in Calculus
Week 32		
May Half Term		
Week 33	Year 2 Complex Numbers	Year 2 Methods in Calculus
Week 34	Year 2 Series	Year 2 Volumes of Revolution
Week 35		
Week 36		
Week 37	Year 2 Polar Coordinates	Year 2 Hyperbolic Functions
Week 38		
Week 39		

A Level Further Maths Year 13

In year 13 the class and teacher decide whether students will study the Further Statistics, the Further Mechanics or the Further Pure unit.

Time	Teacher 1 (Pure)	Teacher 2 (Mechanics)	Teacher 2 (Statistics)
Week 1	Differential Equations	Momentum and Impulse	Discrete Random Variables
Week 2			
Week 3			
Week 4	Modelling with Differential Equations	Work, Energy and Power	Poisson Distributions
Week 5			
Week 6			
Week 7		Revision	
Half Term Break			
Week 8	Revision and Assessments		
Week 9	Revision of Year 1 Further Maths Content	Elastic Strings and Springs	Geometric and Negative Binomial Distributions
Week 10			
Week 11			
Week 12		Elastic Collisions in One Dimension	Hypothesis Testing
Week 13			
Week 14			
Christmas Break			
Week 15	Revision and Assessments		
Week 16	Revision and Practice Papers	Elastic Collisions in Two Dimensions	Central Limit Theorem
Week 17			
Week 18			Chi-Squared Tests
Week 19			
Week 20		Revision	
Half Term Break			
Week 21	Revision and Practice Papers		Revision
Week 22	Revision and Assessments		
Week 23	Revision and Practice Papers		Probability Generating Functions
Week 24			
Week 25			Quality of Tests
Week 26			
Easter Holidays			

Week 27	Revision and Practice Papers	Quality of Tests
Week 28		Revision
Week 29	Revision and Assessments	
Week 30		
Week 31		
Week 32		
May Half Term		
Week 33	Revision and Assessments	
Week 34		
Week 35		

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