

Curriculum Area: Further Mathematics AS Level Year 12



All teaching for year 12 is based on the Pearson Texts; Core Pure Mathematics Year 1, Further Statistics 1 (AS) and Decision 1 (AS)

	Autumn1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 12 Teacher 1 5 Periods	Unit: Applied Decision 1	Unit Applied Decision 1	Unit: Core Pure	Unit: Core Pure	Unit: Core Pure & Exam Preparation	Unit: A2 Decision
	Wk 1: Algorithms	Wk 1: Review and Test	Wk 1: Matrices	Wk 1: Proof by induction	Wk 1: Vectors	Wk 1: Travelling Salesman Problem
	Wk 2: Algorithms	Wk 2: Linear Programming	Wk 2: Matrices	Wk 2: Proof by induction	Wk 2: Vectors	Wk 2: Travelling Salesman Problem
	Wk 3: Graphs and networks	Wk 3: Linear Programming	Wk 3: Matrices and Transformations	Wk 3: Proof by induction	Wk 3: Review and test	Wk 3: Travelling Salesman Problem
	Wk 4: Graphs and networks	Wk 4: Linear Programming	Wk 4: Matrix Transformations	Wk 4: Vectors	Wk 4: Exam Pre	Wk 4: Simplex Algorithm
	Wk 5: Algorithms on graphs	Wk 5: Critical Path Analysis	Wk 5: Matrix Transformations	Wk 5: Vectors	Wk 5; Exam Pre	Wk 5: Simplex Algorithm
	Wk 6: Algorithms on graphs	Wk 6: Critical Path Analysis	Wk 6:	Wk 6 : Vectors	Wk 6: Exam Prep	Wk 6:
	Wk 7: Route inspection	Wk 7: Critical Path Analysis	Mock week this half Term will fill the extra week		STUDENTS WILL ALL SIT THE FULL AS FUTHER MATHS EXTERNAL EXAM	One week will be off timetable for Mocks no mocks in Further Maths due to exams done

	Autumn1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 12 Teacher 2 4 Periods	Unit: Core Pure	Unit: Core Pure	Unit: Further Statistics 1	Unit: Further Statistics 1	Unit: Core Pure and Exam Preparation	Unit: Core Pure preparation
	Wk 1: Complex Numbers	Wk 1 Series	Wk 1 Discrete random variables	Wk 1: Chi Squared	Wk 1: Volumes of revolution	Wk 1: Differentiation preparation for A2 Further Core Pure
	Wk 2: Complex Numbers	Wk 2 Finish off Series and test	Wk 2: Discrete random variables	Wk 2: Chi Squared	Wk 2: Volumes of revolution	Wk 2: Differentiation preparation for A2 Further Core Pure
	Wk 3: Argan Diagrams	Wk 3: Roots of Polynomials	Wk 3: Poisson Distribution	Wk 3: Chi Squared	Wk 3: Finish off and test	Wk 3: Integration preparation for A2 Further Core Pure
	Wk 4: Argand Diagrams	Wk4: Roots of Polynomials	Wk 4: Poisson Distribution	Wk 4: Hypothesis testing with Poisson	Wk 4 Exam Prep	Wk 4: Integration preparation for A2 Further Core Pure
	Wk 5: Argand Diagrams	Wk 5: Roots of Polynomials	Wk 5: Poisson Distribution	Wk 5: Hypothesis testing Poisson	Wk 5 Exam Prep	Wk 5: Integration preparation for A2 Further Core Pure
	WK 6: Finish off and Test	Wk 6: : Roots of Polynomials	Wk 6:	Wk 6: Finish off and test	Wk 6: Exam Prep	One week will be off timetable for Mocks no mocks in Further Maths due to exams done
	WK 7: Series	Wk 7: Finish off and Test	Mocks will fill one week this half term		STUDENTS WILL ALL SIT THE FULL AS FUTHER MATHS EXTERNAL EXAM	

Curriculum Area: A2 Further Mathematics Year 13



All teaching for year 13 is based on the Pearson Texts; Core Pure Mathematics Year 2, Further Statistics 1(A2) and Decision 1(A2)

	Autumn1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 13 Teacher 1 5 Periods	Unit: Decision	Unit: Core Pure	Unit: Core Pure	Unit: Core Pure	Unit: Exam Prep	Unit:
	Wk 1: Simplex Algorithm	Wk 1: Hyperbolic Functions	Wk 1: Methods in differential equations	Wk 1: Test and review	Wk 1: Revision	Wk 1:
	Wk 2: Finish off the bits	Wk 2: Test and review	Wk 2: Test and review	Wk 2: Review and finish off any areas	Wk 2: Revision	Wk 2:
	Wk 3: Finish off the bits	Wk 3: Methods in differential equations	Wk 3: Modelling with differential equations	Wk 3: Review and finish off any areas	Wk 3: Revision	Wk 3:
	Wk 4: Test and review	Wk 4: Methods in differential equations	Wk 4: Modelling with differential equations	Wk 4: Review and finish off any areas	Wk 4: Revision	Wk 4:
	Wk 5: Hyperbolic Functions	Wk 5: Methods in differential equations	Wk 5: Modelling with differential equations	Wk 5: Review and finish off any areas	Wk 5: Revision	Wk 5:
	Wk 6: Hyperbolic Functions	Wk 6: Mocks will be 1 week this term	Wk 6: Modelling with differential equations	Wk 6: Mocks will be 1 week this term	Wk 6: Students will have left school	Wk 6:
	Wk 7: Hyperbolic Functions					
Final Assessment:						

	Autumn1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 13 Teacher 2 4 periods	Unit: Core Pure	Unit: Core Pure	Unit: Statistics 1	Unit: Statistics 1	Unit: Exam Prep	Unit:
	Wk 1: Complex numbers	Wk 1: Series	Wk 1: Geometric Distributions	Wk 1: Probability Generating functions	Wk 1: Polar Coordinates	Wk 1:
	Wk 2: Complex numbers	Wk 2: Methods in calculus	Wk 2: Geometric Distributions	Wk 2: Probability Generating functions	Wk 2: Polar Coordinates	Wk 2:
	Wk 3: Complex numbers	Wk 3: Methods in calculus	Wk 3 Geometric Distributions and hypothesis testing	Wk 3: Quality of tests	Wk 3: Polar Coordinates	Wk 3:
	Wk 4: Complex numbers	Wk 4: Methods in calculus	Wk 4 Geometric Distributions and goodness of fit	Wk 4: Quality of Tests	Wk 4: Revision	Wk 4:
	Wk 5: Test and review	Wk 5: Test and review	Wk 5: Test and review	Wk 5: Finish off and test	Wk 5: Revision	Wk 5:
Wk 6: Series	Wk 6: Mocks will be 1 week this term	Wk 6: Probability Generating functions	Wk 6: Mocks will be 1 week this term	Wk 6: Students will have left school	Wk 6:	
Final Assessment:						