



Year 12	Autumn – 1a	Autumn – 1b	Spring – 2c	Spring – 2d	Summer – 3e	Summer – 3f
Content Pure, Mechanics , Statistics	1: Algebraic Expressions 2. Quadratics 3. Equations & Inequalities 8. Modelling in mechanics MECH 9. Kinematics 1 (constant acceleration) MECH 10. Forces & Motion MECH 1. Data Collection 2. Measures of Location and Spread	5. Straight Line Graphs and 6. Circles 8: Exponentials and logarithms 11: Vectors (2D) 9 and 10: Trigonometry 3.Representation of Data 5. Probability	12: Differentiation 13: Integration 6 Statistical Distributions	4. Graphs & Transformations 7 Hypothesis Testing 4. Correlation and Regression	Revision, recap and problem solving	Revision, recap and problem solving
Skills including links with KS2 (Golden thread)	Problem solving skills Sketching curves Interpreting questions in terms of real life skills	Using casio calculator for data analysis Using indices knowledge	Real Life modelling Applying statistical knowledge from GCSE Using casio calculator for data analysis	Using casio calculator for data analysis Sketching curves	Real Life modelling and applying problem solving skills and applying to exam questions	Real Life modelling and applying problem solving skills and applying to exam questions
Why we have chosen this curriculum...	First units build on GCSE knowledge then onto linking quadratics topic with Equations and inequalities	Vectors new topic linking both pure mechanics work	Students will see new topics of differentiation and integration	Students will link previous topics and build on knowledge for graphs and transformations	Students will be challenged to recap all topics and apply their knowledge to exam style questions.	
Assessment	Topic test PURE Unit 1,2,3 Mechanics Unit 8,9 Exam Style Assessment for PURE and APPLIED all topics studied so far	Topic test PURE Unit 5,8,11 Mechanics Unit 10 exam style Exam Style Assessment for PURE and APPLIED all topics studied so far	Topic test PURE Unit 12, 13 Exam Style Assessment for PURE and APPLIED all topics studied so far	Topic test PURE unit 4 Exam Style Assessment for PURE and APPLIED all topics studied so far	Exam Style Assessment for PURE and APPLIED all topics studied so far	Exam Style Assessment for PURE and APPLIED all topics studied so far
Links	MathsnetAlevel www.mathsnetalevel.com	MathsnetAlevel www.mathsnetalevel.com	MathsnetAlevel www.mathsnetalevel.com	MathsnetAlevel www.mathsnetalevel.com	MathsnetAlevel www.mathsnetalevel.com	MathsnetAlevel www.mathsnetalevel.com
	Dr Frost www.dr frostmaths.com	Dr Frost www.dr frostmaths.com	Dr Frost www.dr frostmaths.com	Dr Frost www.dr frostmaths.com	Dr Frost www.dr frostmaths.com	Dr Frost www.dr frostmaths.com



	Integral – videos and extra questions	Integral – videos and extra questions	Integral – videos and extra questions	Integral – videos and extra questions	Integral – videos and extra questions	Integral – videos and extra questions
	Online textbook	Online textbook	Online textbook	Online textbook	Online textbook	Online textbook

Year 13	Autumn – 1a	Autumn – 1b	Spring – 2c	Spring – 2d	Summer – 3e	Summer – 3f
Content						
Skills including links with KS2 (Golden thread)						
Why we have chosen this curriculum...						
Assessment						
Links						