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			Curricul	um Ma	p Year 13															
_			Autumn 1		Autumn 2				Spring 1			Spring 2			Summer	1		Summer 2		
	Unitofwark	Pure 1. Proof 2. Algebraic and partial fractions Interleaving topics from AS 3. Functions and modelling 6. Trigonometry	Mechanics 4. Moments 5. Forces at any angle		9ure 4. Binomial Theorem 6 Trigonometry	Mechanics 6. Applications of kinematics	+	Pure 7. Parametric equations 8. Differentiation 9. Numerical methods	Mechanics 6. Applications of kinematics	Statistics 1. Regression and correlation 2. Probability	Pure 10 Integration (part 1) 11. Integration (part 2)	Mechanics 8. Further kinematics	Statistics 2. Probability 3. The Normal distribution	Pure 11. Integration (part 2) 12. Vectors (3D)	Mechanics Revisit gaps on Year 1 & 2 and practice exam papers	Statistics Revisit gaps on Year 1 & 2 and practice exam papers	Pure Revisit gaps on Year 1 & 2 and practice exam papers	Mechanics Revisit gaps on Year 1 & 2 and practice exam papers		
	Core Suils	At Proof Agebraic division, Safortheore division, Safortheore Vocabulary and Safortheore Vocabulary and Safortheore Vocabulary and Safortheore Notation for functions (knowledge of polynomial and (pagnithmic functions, including their graphs AS Transforming graphs (Agebraic division, factor theorem	Basic equilibrium 20 di Vigonometry Cosine and sine rules (in <i>s</i>)/(cos <i>s</i>) + tan <i>x</i> (to find the engle of Basic vectors, magnitude and direction (khematics) <i>i</i> , <i>j</i> vectors Force diagrams and assumptions		Series and sequences Knowledge of polynomial, reproductir, esponsential and logarithmic functions, including their graph deprivat fractions adjective devices ($h_{\rm B} = h_{\rm B} h_{\rm B}$), adjective the second second second second second homosing logarithmic of the form), where is a positive integer AS Transforming graphs Size and cosine function Length of art and all are of sector solving trigonometric equations (solving trigonometric equati	L (20) vectors Magnitude and direction of a vector Trigonometry suvat formulae vectoral motion under gravity L (20) vectors (See Unit 8 ao fite SoW)		Trigonometric identities Knowledge of a variety of functions involving powers, roots, trigonometric functions, exponentials and logarithms depotentials and logarithms denotities Graphs, roots and Differentiation and integration	L) [JD Vectors Magnitude and direction of a vector Trigonometry suvat formulae Verical motion under gravity j (JD) vectors (See Unit 8a of the SoW)	Understanding of regression Understanding of correlation Motually exclusive and independent events	knowledge of exponentials and In x. Laws of logarithms Trigonometry Differentiation	Basic trigonometry, Pythagors and vectors Find the magnitude and direction of vectors	Mutually recluive and independent events Probability calculations, independent events Anomial do the Anomial do the Anomial do the Anomial the area under a curve	laws of logarithms Trigonometry Partial fractions Differentiation AS Vectors						
	Core K no wiedge	Pure Examples including proof by deduction? Simplifying Simplifying Simplifying Simplifying Simplifying Simplifying Arithmetic and Arithmetic and formulae?) Sigma notation Recurrence Recurrence Radians (next values), ares and sectors Sinall angles	Forces' turning effect Resolving forces Friction forces (including coefficient of friction µ)		Pure Examples including pool by dedications ⁴ and proof by contradiction Simplifying algebraic fractions Anthmetic and geometric progressions (proofs of 'sum formulae') Secure contrast and decations Resurrence and decations Resurrence and decations Results and an exact so Salall angles Secure concernation doctangene (definitions, identifies and graphs): Inverse trigonometrical functions, liverse trigonometrical durations, liverse trigonometrical durations, inverse trigonometrical durations, liverse trigonometrical functions Compound ⁴ and double (and haily angle formulae Provide trigonometric (denotted Solving problems in context. (e.g. mechanics)	Mechanics Equilibrium and statics of a particle (including ludder problems)		Pare Definition and Converting Detrement parametric and Caressan forms Caressan forms Caressan forms Differentiating exponentials and logarithms and cas x from first principles Differentiating exponentials and logarithms second detrained parameter functions problems cares of charge of problems cares of charge of problems prob	Mechanics Dynamics of a particle	Change of variable Carrelation coefficients Statistical hypothesis statistical hypothesis toorrelation or probability Conditional probability Cuestioning automation probability	Pure Integrating an (including when a = -1), esponential models) and carrier and and carrier of differentiation, and using the reveal of differentiation, and using the sponential triggenometric integration integration by parts	Mechanics Constant acceleration (equations of the (,) system) Variable (new c) system) (new c) system (new c) system) (new c)	Statistic Conditional probability Questioning assumptions understand and use understand and use understand and use understand and use understand and use understand use distribution as an approximation to the Mormal distribution Statistical hypothesis testing for the mean of the Normal distribution	Pure Use of partial fractions Areas under graphs or between two curves, including understanding the limit of a sum (using sigma notation) Trapeolium rule Differential equations (including knowledge of the family or vectors in three dimensions; knowledge of column vectors and i, j and k unit vectors	Mechanics	Statistis Use discrete distributions to model real-work/ takenity/be discrete unform distributions. Calculate probabilities teaming discreteunform distributions (calculator use aspected) (calculator use aspected) (calculator use aspected) (calculator use aspected) (calculator use (calculator use (calculator use (calculator use (calculator use) (calculator use (calculator use) (calculator use) (Pare	Mechanics		
	s Mini assessments at the end of each unit. Green freedack fills assesses the subset of the assessments and feedback sheets are kept in sudents' folder: are kept in subsets folder.				i assessment at the end of each out. Green feedback sheets with next p question for students to complete. The assessments and feedback sheets kept in students' folder.			Mini assessments at the end of each unit. Green feedback sheets with next step question for students to complete. The assessments and feedback sheets are kept in students' folder.			Mini assessments at the end of each unit. Green herblack sheets with next step quesion for students to complete. The assessments and feedback sheets are kept in students' folder.			Mini assessments at the end of each unit. Green feedback sheets with next step question for students to complete. The assessments and feedback sheets are kept in students' folder.			Mini assessments at the end of each unit. Green feedback sheets with next step question for students to complete. The assessments and feedback sheets are kept in students' folder.			
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