	Teacher (5 lessons)				Teacher (4 lessons)					
2 also accompany :!	Chante	Tania	10	Hamanaylı	Chanter	Tania	10	Hereament		
2 weeks commencing:	Chapter	Горіс	LO	Homework	Chapter	Торіс	LO	Homework		
			1) Solving using the Addition Forr	Ex 7B/ Solomon C3 wo	3	Functions	1) Sketching and solving with  f(	Ex 2A		
			2) Double Angle Formulae and pr	Ex 7C/ Solomon C3 wo	C2		2) 1-1, Many-1, and non-Functio	n Ex 2B		
05 September 2021	C7	Trignometry	3) Solving with the Double Angle	Ex 7D/ Solomon C3 wo	C2		3) Composite Functions	Ex 2C		
			4) Deriving the Addition Formula	Ex 7A			4) Inverse Functions	Ex 2D		
			5) Proof with Addition and Doubl	Ex 7F						
	C7	Trigonometry	6) Alternative form	Ex 7E/ Solomon C3 wo		Functions	5) Sketching and problem solving	Ex 2E		
	C/		7) Modelling (using alternative fo	Ex 7G	C2		6) Combined transformations	Ex 2F		
19 September 2021	C1	Algebraic methods	1) Decomposition of partial fracti	Ex 1C			7) Combined transformations wi	t Ex 2G		
			2) Partial fractions with repeated	Ex 1D	C6	Reciprocal Trigonometry	6) Inverse Trigonometric Functio	r Ex 6E		
			3) Improper fractions and the Fac	Ex 1E						
	C1	Algebraic methods	4) Improper fractions with partial	Ex 1F		Moments	1) Introduction to Moments	Ex4B Q1,3,4		
		Normal distribution	1) Intro to Normal Distribution	Ex 3A	A4		2) Moments on laminas	Ex4A, 4B Q2,5,6		
03 October 2021			2) Using a calculator	Ex 3B	A4		3) Equilibrium	Ex4C		
	A3		3) Inverse normal	Ex 3C			4) Centre of Mass	Ex4D		
			4) The standard normal distributi	Ex 3D						
17 October 2021	А3	Normal distribution	5) Finding the mean and variance	Ex 3E	Λ.4	Moments	5) Tilting	Ex4E		
			6) Approximating binomial	Ex 3F	A4		6) Practice & Problem Solving	Mixed Ex 4		

Half Term

	Teacher (5 lessons)			Teacher (4 lessons)							
2 weeks commencing:	Chapter	Tonic	LO	Homework	Chapter	Tonic	LO	Homework			
2 weeks commenting.	Chapter	Торіс	150	Homework	Chapter	ТОРІС	10	HOHIEWORK			
	А3	Normal distribution	7) Normal and binomial distributi	Worksheet made	A5	Forces	1) Resolving Forces	Ex5A			
	AS	Normal distribution	8) Hypothesis tests	Ex 3G	AS	ruices	2) Inclined Planes	Ex5B			
31 October 2021											
		Year 13 PPE 1				Year 13 PPE 1					
	А3	Normal distribution	9) Practice with LDS	Mixed Ex 3	A5	Forces	3) Coefficient of friction	Ex5C (Q1-Q2) & Integ			
	C4	Binomial Expansion	1) Using the formula	Ex 4A - Qn 1, 2, 3 & 6		1 01003	4) Coefficient of friction	Ex5C (Q3-7)			
14 November 2021			2) Using the formula to find a spe		A7	Statics	1) Closed triangles for statics	Ex 7A			
			3) Taking out a factor before expansion		Α/	Statics	2) Modelling with static particles	Ex 7B			
			4) Binomial expansion with partia	Ex 4C							
	C8	Parametric Equations	1) Changing to cartesian form	Ex 8A			3) Friction and static particles	Ex 7C			
			2) Using trigonometric identities	Ex 8B	A7	Statics	4) Statics and moments	Ex 7D			
28 November 2021			3) Sketching parametric equation	Ex 8C	^/	Statics	5) Dynamics and inclined planes	Ex 7E			
			4) Finding points of intersection of	Ex 8D			6) Connected particles	Ex 7F			
			5) Modelling with parametric equ	Ex 8E							
12 December 2021	С9	Differentiation	1) Chain rule	Ex 9C	A7	Statics	7) Practice & Problem Solving	Mixed Ex 7			
12 December 2021			2) Special case Chain rule 1/(dy/d	Ex 9C - Qn 7-10	C3	Sequences & Series	1) Arithmetic Sequences	Ex 3A			

**End Of Autumn Term** 

			Teacher (5 lessons)		Teacher (4 lessons)				
2 weeks commencing:	Chapter	Topic	LO	Homework	Chapter	Topic	LO	Homework	
			3) Differentiating sin x and cos x	Ex 9A			2) Arithmetic Series	Ex 3B	
			4) Differentiating e & In	Ex 9B	C3	Sequences & Series	3) Geometric Sequences	Ex 3C	
02 January 2022	C9	Differentiation	5) Product rule	Ex 9D	L3		4) Geometric Series	Ex 3D	
			6) Quotient rule	Ex 9E			5) Sum to infinity	Ex 3E	
			7) Mixed practice and problem so	Ex 9E					
		Differentiation	8) Differentiating trig functions	Ex 9F		Sequences & Series	6) Sigma notation	Ex 3F	
	C9				С3				
16 January 2022			9) Parametric differentiation	Ex 9G			7) Recurrence relations	Ex 3G & 3H	
10 Janually 2022			10) Implicit differentiation	Ex 9H			8) Modelling with series	Ex 3K	
			11) Concavity and Convexity	Ex 9I	A1	Correlation	1) Exponential Models	Ex 1A	
	C11	Integration	1) Integrating standard functions	Ex 11A					
			Year 13 PPE 2				Year 13 PPE 2		
30 January 2022	C11	1 Integration	2) Integrating f(ax + b)	Ex 11B	A1	Correlation	2) Calculate the PMCC	Ex 1B	
			3) Integrating using the Trigonom	Ex 11C			3) Hypothesis testing for zero co	r Ex 1C	
			4) Reverse chain rule	Ex 11D					

Half Term

	Teacher (5 lessons)					Teacher (4 lessons)				
2 weeks commencing:	Chapter	Topic	LO	Homework	Chapter	Topic	LO	Homework		
			5) Integration by substitution	Ex 11E	A1	Correlation	4) Practice with LDS	Mixed Ex 1		
20 February 2022	C11	Integration	6) Integration by parts 7) Integrating partial fractions 8) Finding areas	Ex 11F Ex 11G EX 11H	A8	Variable Acceleration	Vectors in Kinematics     Variable acceleration in one dia     Differentiating vectors	1) Exercise 8A & 8B 2) Exercise 8C 3) Exercise 8D		
			9) Parametric integration	Re-released textbook						
	C11	Integration	10) Trapezium rule 11) Mixed question practice	Ex 11I Integral/ Solomon/ Ca	A8 1	Variable Acceleration	Integrating vectors     Horizontal projection	4) Exercise 8E Ex 6A		
06 March 2022	A2	Probability	<ol> <li>Probability with Venn Diagram</li> <li>Conditional Probability</li> </ol>	Ex 2A Ex 2B	A6	Projectiles	<ul><li>2) Horizontal and vertical compor</li><li>3) Projection at any angle</li></ul>	Ex 6B Ex 6C		
	A2	Probability	Probability Formula     Tree Diagrams	Ex 2C Ex 2D	4.6	Duringtille	4) Projection motion formula	Ex 6D		
20 March 2022	C9 &	I Differential Equations	Rates of change     Solving differential equations	Ex 9J Ex 11J	A6	Projectiles	5) Practice & Problem Solving 1) Proof by contradiction	Mixed Ex 6 Ex 1A		
	C11		3) Modelling with differential equ 4) Mixed question practice		C1	Proof by Contradiction	2) Practice & Problem Solving	Integral Worksheet		

End of Spring Term

			Teacher (5 lessons)		Teacher (4 lessons)				
2 weeks commencing:	Chapter Topic		LO Homework		Chapter Topic		LO Homework		
			Year 13 PPE 3				Year 13 PPE 3		
17 April 2022	C10	Numerical Methods	Showing roots and bounds     Iterative formulae     Newton-Raphson	Ex 10A Ex 10B Ex 10C	C12	Vectors	1) 3D Coordinates 2) Vectors in 3D	Ex 12A Ex 12B	
01 May 2022	C10	Numerical Methods	4) Modelling Revision & Re-teaching Revision & Re-teaching Revision & Re-teaching Revision & Re-teaching	Ex 10D Targeted Practice Targeted Practice Targeted Practice Targeted Practice Targeted Practice	C12	Vectors	3) Solving geometric problems 4) Vectors in mechanics Revision & Re-teaching Revision & Re-teaching	Ex 12C Ex 12D Targeted Practice Targeted Practice	
15 May 2022		Year 13 Public Exams			Year 13 Public Exams				
	Half Term								
05 June 2022	Year 13 Public Exams				Year 13 Public Exams				
19 June 2022	Year 13 Public Exams			Year 13 Public Exams					
		End of Summer Term							