	3 Lessons				3 lessons				3 lessons			
ı		7			11			Chapter Topic LO Homework				
2 weeks commencing:	Chapter	Topic	LO	Homework	Chapter	Topic	LO	Homework	Chapter	Topic	LO	Homework
							Territoria de la compansión de la compan	lee				le 0.
05 September 2021	CP1-6	Matrices	1) Operations with matrices	Ex 6A EX 6B	CP1-1	Complex Numbers	Imaginary and complex num numbers	Ex 1A, 1B Ex 1C	CP1-3	Series	1) Sum of natural numbers	Ex 3A Ex 3B
05 September 2021	CF 1-0	iviatrices	Matrix multiplication Determinants of matrices	Ex 6C	CF 1-1	Complex Numbers	3) Complex conjugation	Ex 1C Ex 1D	CP1-3	Series	 Sum of squares and cubes More complex cases (addition) 	
	_				_				-			
19 September 2021	CP1-6	Matrices	4) Inverses of 2x2 matrices	Ex 6D	CP1-1	Complex Numbers	4) Roots of quadratic equations		CP1-8	Proof By Induction	1) Proof by imathematical nduc	
	CP1-0		5) Inverses of 3x3 matrices	Ex 6E			equations	Ex 1F			Proving divisibility results	Ex 8B
	4——		Solving systems of equations	Ex 6F	CP1-2	Argand Diagrams	Problem Solving	Mixed Exercise 1	<u> </u>		Proving statements involving	
03 October 2021	CP1-6	Matrices	Exam Questions	Exam Questions			1) Argand diagrams	Ex 2A	CP1-3	Series & Proof By	CP1-3&8	Additional questions
	FM1	Impulse & Momentum	1) What is an impulse and	Ex1A	CP1-2	Argand Diagrams	2) Modulus and argument	Ex 2B	CP1-8	Induction	Review of the assessment	Redrafting the assessi
			2) Conservation of momentum	Ex1B			3a) Modulus-argument form of			Discrete Random Variables		Ex 1A
17 October 2021	FM1	Impulse & Momentum	3) Momentum as a vector	Ex1C	CP1-2	Argand Diagrams	3b) Multiplication and division of	Ex 2D	FS1	Discrete Random Variables	2) Var(X) of DRV	Ex 1B
	_											
							Half Term					
	. —	1										
31 October 2021	FM1	Impulse & Momentum	4) Practice	Mixed Exercise			4a) Loci in the Argand diagram		FS1	Discrete Random Variables	3) E(X) and Var(X) of a function	
	A5	Friction (Maths SoW)	1) Resolving Forces	Ex 5A	CP1-2	Argand Diagrams	4b) Loci in the Argand diagram	Ex 2F			4) Problem solving involving DR	Ex 1D + Additional qu
			2) Inclined planes	Ex 5B	_		Problem Solving	Mixed exercise 2	FS2	Poisson Distribution	1) Introduction to Poisson distr	
	A5	Friction (Maths SoW)	3) Friction	Ex 5C			 Roots of a quadratic equation 			Poisson Distribution	2) Using a calculator	Ex 2B
14 November 2021	FM2	Work, Energy & Power	1) Work Done	Ex2A Q10-17	CP1-4	Roots of Polynomials	2) Roots of a cubic equation	4B	FS2	Poisson Distribution	3) Modelling with the Poisson of	
		,	2) KE and GPE	Ex2B Q4-11	4		3) Roots of a quartic equation	Ex 4C		Poisson Distribution	4) Adding Poisson distributions	
1	II		3) Conservation of mechanical e	Ex2C Q1-10	II T	·	4) Expressions relating to the ro			Poisson Distribution	5) Mean and variance of a Poiss	
28 November 2021 12 December 2021	FM2	Work, Energy & Power	4) Conservation of mechanical e		CP1-4	Roots of Polynomials	5) Linear transformations of roc		FS2	Poisson Distribution	Mean and variance of the bir	
			5) Power	Ex2D Q9-17				Mixed exercise 4		Poisson Distribution	7) Using the Poisson distribution	
	FM2	Work, Energy & Power	6) Practice	Mixed Exercise	CP1-7	Transformations &	1) Linear transformation in two		FS1&2		Revision - Mixed Ex1 &2	Odd numbered Qs in
		TTOTA, LITERBY & FOWER	7) Practice	Exam Qs	C1 1 7	Matrices	2) Reflections and rotations	Ex 7B	F51642	1100.2	Assessment	Even numbered Qs in
							End Of Autumn Term					
			1) Coefficient of restitution	Ex4A Q1-5		Transformations & Matrices	3) Enlargements and stretches	Ex 7C	FS4		1) Testing for the mean of a Poi	Ex 4A
02 January 2022	FM4	Elastic Collisions	2) Two particles colliding- inequ	Ex4A Q6-10	CP1-7		4) Successive transformations	Ex 7D		Hypothesis Testing	2) Finding critical regions for a F	Ex 4B
			3) Collision with smooth plane	Ex4B			5) Linear transformations in thr	Ex 7E			3) Practice with exam style que	Mixed Ex 4
			4) Loss of kinetic energy 1	Ex4C Q1-7		Transformations &	6) The inverse of a linear transfe	Ex 7F		PPE Revision	Series and Proof by induction	Additional materials
16 January 2022	FM4	Elastic Collisions	5) Loss of kinetic energy 2	Ex4c Q8-14	CP1-7	Matrices	Revision of chapter 7	Mixed ecercise 7		PPE Revision	DRV and Poisson distribution	Additional materials
			Revision	Exam Questions		iviatifices	Revision of chapter 7	Exam Questions		PPE Revision	Poisson distribution and hypoth	Additional materials
30 January 2022			Year 12 PPE 1				Year 12 PPE 1				Year 12 PPE 1	
30 Juliusi y 2022	FM4	Elastic Collisions	6) Three particles 1	Ex4D Q1-5			PPE Feedback				PPE Feedback	
							Half Term					
20 February 2022			7) Three particles 2	Ex4D Q6-9		Vectors & 3D Space	1) Equation of a line in three dir	Ex 9A	FS6	Chi-squared Tests	1) Goodness of fit	Ex 6A
	FM4	Elastic Collisions	8) Practice	Mixed Exercise			2) Equation of a plane in three of				2) Degrees of freedom and the	Ex 6B
			9) Practice	Exam Questions			3) Scalar product	Ex 9C			3) Testing a hypothesis	Ex 6C
			1) Roots of quadratic equations	Ex 4A			4) Calculating angles between li				4) Testing the goodness of fit w	
06 March 2022	CP1-5	Roots of Polynomials	2) Roots of Cubic equations	Ex 4B	CP1-9	Vectors & 3D Space	5) Points of intersection	Ex 9E	FS6	Chi-squared Tests	5) Degrees of freedom and the	Ex 6E
			3) Roots of Quartic equations	Ex 4C			6) Finding perpendiculars (1)	Ex 9F			6) Review of chi-squared tests	Mixed Ex6
20 March 2022	CP1-5	Roots of Polynomials	4) Expressions for the roots of p	Ex 4D	CP1-9	Vectors & 3D Space	7) Finding perpendiculars (2)	Ex 9F	FS3	Geometric and negative binomial distributions	1) The geometric distribution	Ex 3A
	0.13		5) Linear transformations of roc	Ex 4E			Revision of chapter 9	Mixed exercise 9			2) Mean and variance of a geon	Ex 3B
			Revision & Re-teaching	Targeted Practice			Problem Solving	Exam Questions		Dinomial distributions	3) The negative binomial distrib	Ex 3C
			Revision & Re-teaching	Targeted Practice								
							End Of Spring Term					
17 April 2022			Revision & Re-teaching	Targeted Practice	CP1-1		Revision		FS3	Geometric and negative	4) Mean and variance of the ne	Ex 3D
			Revision & Re-teaching	Targeted Practice	CP1-1		Revision	Review exercise 1	. 33	binomial distributions	5) Challenging word-based prob	Mixed Ex 3 and Integ
			Revision & Re-teaching	Targeted Practice			Revision		FS4	Hypothesis Testing	3) Hypothesis testing for the pa	
01 May 2022			Revision & Re-teaching	Targeted Practice	CP1-4		Revision	Review exercise 1	FS4	Hypothesis Testing	4) Finding Critical regions for a	Ex 4C
			Revision & Re-teaching	Targeted Practice	CP1-4 CP1-7		Revision	Review exercise 2	FS6	Chi-squared Tests	6) Applying goodness-of-fit test	Ex 6F
			Revision & Re-teaching	Targeted Practice	CF 1-7		Revision	CACICISC 2	FS3,4,6		Review	
15 May 2022			Revision & Re-teaching	Targeted Practice			Revision	Review exercise 2	FS3,4,6		Assessment	
			Revision & Re-teaching	Targeted Practice	CP1-9		Solve past papers	Past papers	. 33,4,0		Review of the assessment	Redrafting the answe
			Revision & Re-teaching	Targeted Practice			Sourc hast habets	as papers			Revision & Re-teaching	Targeted Practice
							Half Term					
05 June 2022			Revision & Re-teaching	Targeted Practice			Revision & Re-teaching	Targeted Practice			Revision & Re-teaching	Targeted Practice
			Revision & Re-teaching	Targeted Practice			Revision & Re-teaching	Targeted Practice			Revision & Re-teaching	Targeted Practice
	Year 12 End OF Year Exams				Year 12 End OF Year Exams				Year 12 End OF Year Exams			
19 June 2022		Yea	at an Line OF Teal Exams			Yea	AL LING OF TEST EXAMS			Yea	AL LIN OF TEST EXSTITS	
	C9 &		1) Chain rule	Ex 9C	CO 8		1) Quotient rule	Ex 9E	co. e		1) Reverse chain rule	Ex 11D
		Calculus Methods	2) Differentiating sin x, cos x, In	Ex 9A & 9B	C9 &	Calculus Methods	2) Integrating f(ax + b)	Ex 11B	C9 &	Calculus Methods	2) Integration by substitution	Ex 11E
03 July 2022	C11		3) Product rule	Ex 9D	C11		3) Integrating using the Trigono		C11		3) Integration by parts	Ex 11F
		Ye	ear 12 Work Experience			Ye	ear 12 Work Experiene			Ye	ear 12 Work Experience	
	End Of Summer Term											