	3 lessons			3 lessons				3 lessons				
2 weeks commencing:	Chapter	Topic	LO	Homework	Chapter	Торіс	LO	Homework	Chapter	Topic	LO	Homework
05 September 2021		Elasic Springs & Strings		Ex3C	CP2-1	Complex Numeors & De Moivre	1) Exponential form of complex	Ex 1A	C11	Integration (Maths SoW)	1) Integration - Reverse chain	
	FM3		2) Energy Problems 3) Practice	Ex3D Mixed Exercise			complex numbers 3) De Moivre's theorem	Ex 1B Ex 1C			2) Integration by substit 3) Integration by parts	Ex 11 D Ex 11
19 September 2021 F	FM5		<ol> <li>Particle hitting a wall (vectors</li> <li>Hitting a wall/a slope</li> </ol>	Ex5A Q9,10 and EXTRA Ex5A Q1-8	CP2-1	Complex Numebrs & De Moivre	<ol> <li>Trigonometric identities (sinn (sinn and cosn )</li> </ol>	Ex 1D Q1, 2, 6, 7 Ex 1D Q3, 4, 5	C11 CP2-2	Series	<ol> <li>Integration by partial fraction</li> <li>The method of differences</li> </ol>	ns Ex 2A
			<ol> <li>Find the line perpendicular and</li> </ol>				6) Sums of series	Ex 1E			2) Higher derivatives	Ex 2B
03 October 2021	FM5	Dimesions	<ol> <li>Successive impacts with right</li> <li>Successive impacts with walls</li> <li>Oblique impact of two sphere</li> </ol>	Ex5B Q6-10	CP2-1	Complex Numebrs & De Moivre	<ol> <li>7) nth roots of a complex numb</li> <li>8) Solving geometric problems</li> <li>Revision of chapter 1</li> </ol>		CP2-2 FS7		<ol> <li>Maclaurin series</li> <li>Series expansions of compo 1) Probability generating funct</li> </ol>	
17 October 2021	FM5		7) Oblique impact of two sphere		CP2-5	Polar Coordinates	1) Polar coordinates and equation				2) Probability generating funct	
							Half Term					

			8) Oblique impact of two sphere	Ex5C 04-8 015 16	CP2-5	Polar Coordinates	2) Sketching curves	Ex 5B	FS7	Probability Generating Fun	d 3) Mean and variance of a distri	Ex 7C
31 October 2021	Year 13 PPE 1			Year 13 PPE 1				Year 13 PPE 1				
			1) Introdction to Hyperbolic fun	Ex 6A. 3 exam question	s from FI	N	PPE Feedback		FS7	Probability Generating Fun	d 4) Sums of Independent randon	Ex 7D plus redrafting P
14 November 2021	CP2-6	Hyperbolic Functions	2) Inverse Hyperbolic functions	Fur CD 2 suggestings		3) Area enclosed by a polar curv	Ex 5C	FS5	Central Limit Theorem	1) The Central limit theorem	Ex 5A	
				Ex 6C, 3 exam question		Polar Coordinates	4) Tangents to polar curves	Ex 5D Q1-4	FS5	Central Limit Theorem	2) Applying the CLT to other dist	DrF
			4) Differentiating Hyperbolic fur	Ex 6D 1-11, 3 exam que		Polar Coordinates	5) Normals to polar curves	Ex 5D Q5-8	FS5	Central Limit Theorem	3) More application of the CLT t	Ex 5B
28 November 2021	CP2-6	Hyperbolic Functions	5) Maclaurin with Hyperbolic fu		qui	Foldi Coordinates	Revision of chapter 5	Mixed exercise 5	FS1-7		1) Revision	Mixed Ex1~4
			6) Integrating Hyperbolic function	Ex 6E 1- 18, 3 exam que	CP2-7	Differential Equations	1a) First order differential equa	Ex 7A Q1-7			2) Revision	Mixed Ex 5~7
12 December 2021	CP2-6	Hyperbolic Functions		Ex 6E 19-27, 3 exam qu	CP2-7	Differential Equations	1b) First order differential equa		FS1-7		3) Assessment 1 hr	Review Ex 1
			Test on Chapter 5 FM & Chapter	6 CP2		Differential Equations	2a) Second-order homogeneou	Ex 7B Q1-3			Review of the assessment	Redrafting the assessn
							End Of Autumn Term					
		Volumes of Revolution	1) Volumes revolved around x-a			Differential Equations	2b) Second-order homogeneou		CP2-3	Methods in Calculus	1) Improper integrals	Ex 3A
02 January 2022	CP2-4		<ol><li>Volumes revolved around y-a</li></ol>		CP2-7			Ex 7C			<ol><li>The mean value of a function</li></ol>	
			<ol><li>Volumes of parametrically de</li></ol>				<ol><li>Using boundary conditions</li></ol>	Ex 7D			,	Ex 3C
16 January 2022	CP2-4	Volumes of Revolution	4) Modelling with volumes of re		CP2-8	Differential Equations in Context	1) Modelling with first-order dif		CP2-3	Methods in Calculus	<ol><li>Integrating with inverse trigo</li></ol>	
				Targeted Practice			2) Simple harmonic motion	Ex 8B			5) Integrating using partial fract	Ex 3E
	Revision & Re-teaching Targeted Practice Year 13 PPE 2			3) Damped and harmonic motic Ex 8C Year 13 PPE 2			PPE Revision Year 13 PPE 2					
30 January 2022	-		PPE Feedback		-	1	PPE Feedback	1			Teal 13FFE 2	
			a a a		r	Differential Countings in	0.0 1.15 · 1 · 1	5 00	·			Fx 8A
20 February 2022				Targeted Practice	CP2-8	Differential Equations in Context	4) Coupled first-order simultane		FS8	Quality of tests	1) Type I and Type II erros	
20 February 2022				Targeted Practice Targeted Practice		Context	Problem Solving Revision & Re-teaching	Mixed exercise 8 Targeted Practice			<ol> <li>Finding Type I and Type II error</li> <li>Calculate the size and power</li> </ol>	Ex 8B Ex 8C
	-		Revision & Re-teaching	Targeted Practice			Revision & Re-teaching	Targeted Practice			4) The power function	EXOL
06 March 2022			Revision & Re-teaching	Targeted Practice			Revision & Re-teaching		FS8	Quality of tests		Ev 9D
			Revision & Re-teaching						1.50		5) Exam style questions	Ex 8D
	-			Targeted Practice				Targeted Practice Targeted Practice	1.50		5) Exam style questions CP1 and CP2 Exam practice	Ex 8D Ex 8E
				Targeted Practice Targeted Practice			Revision & Re-teaching Revision & Re-teaching Revision & Re-teaching	Targeted Practice Targeted Practice Targeted Practice	150		5) Exam style questions CP1 and CP2 Exam practice CP1 and CP2 Exam practice	
20 March 2022							Revision & Re-teaching	Targeted Practice	130		CP1 and CP2 Exam practice	
20 March 2022			Revision & Re-teaching	Targeted Practice			Revision & Re-teaching Revision & Re-teaching	Targeted Practice Targeted Practice			CP1 and CP2 Exam practice CP1 and CP2 Exam practice	
20 March 2022			Revision & Re-teaching Revision & Re-teaching	Targeted Practice Targeted Practice			Revision & Re-teaching Revision & Re-teaching Revision & Re-teaching	Targeted Practice Targeted Practice Targeted Practice			CP1 and CP2 Exam practice CP1 and CP2 Exam practice FS1 Exam practice	
20 March 2022			Revision & Re-teaching Revision & Re-teaching	Targeted Practice Targeted Practice			Revision & Re-teaching Revision & Re-teaching Revision & Re-teaching	Targeted Practice Targeted Practice Targeted Practice			CP1 and CP2 Exam practice CP1 and CP2 Exam practice FS1 Exam practice	
20 March 2022 17 April 2022			Revision & Re-teaching Revision & Re-teaching	Targeted Practice Targeted Practice			Revision & Re-teaching Revision & Re-teaching Revision & Re-teaching Revision & Re-teaching	Targeted Practice Targeted Practice Targeted Practice			CP1 and CP2 Exam practice CP1 and CP2 Exam practice FS1 Exam practice	
			Revision & Re-teaching Revision & Re-teaching Revision & Re-teaching	Targeted Practice Targeted Practice			Revision & Re-teaching Revision & Re-teaching Revision & Re-teaching Revision & Re-teaching Revision & Re-teaching End Of Spring Term Year 13 PPE 1 PPE Feedback	Targeted Practice Targeted Practice Targeted Practice			CP1 and CP2 Exam practice CP1 and CP2 Exam practice FS1 Exam practice FS1 Exam practice FS1 Exam practice	
17 April 2022			Revision & Re-teaching Revision & Re-teaching Revision & Re-teaching Vear 13 PPE 1 PPE Feedback Revision & Re-teaching	Targeted Practice Targeted Practice Targeted Practice Targeted Practice			Revision & Re-teaching Revision & Re-teaching Revision & Re-teaching Revision & Re-teaching End OI Spring Term Year 13 PPE 1 PPE Feedback Revision & Re-teaching	Targeted Practice Targeted Practice Targeted Practice Targeted Practice Targeted Practice			CP1 and CP2 Exam practice CP1 and CP2 Exam practice FS1 Exam practice FS1 Exam practice FS1 Exam practice Vear 13 PPE 1 PPE Feedback Revision & Re-teaching	Ex 8E
			Revision & Re-teaching Revision & Re-teaching Revision & Re-teaching Year 13 PPE 1 PPE Feedback Revision & Re-teaching Revision & Re-teaching	Targeted Practice Targeted Practice Targeted Practice Targeted Practice Targeted Practice			Revision & Re-teaching Revision & Re-teaching Revision & Re-teaching Revision & Re-teaching End Of Spring Term Year 13 PPE 1 PPE Feedback Revision & Re-teaching Revision & Re-teaching	Targeted Practice Targeted Practice Targeted Practice Targeted Practice Targeted Practice Targeted Practice Targeted Practice			CP1 and CP2 Exam practice CP1 and CP2 Exam practice F51 Exam practice F51 Exam practice F51 Exam practice Vear 13 PPE 1 PPE Feedback Revision & Re-teaching Revision & Re-teaching	Ex 8E Targeted Practice Targeted Practice
17 April 2022			Revision & Re-teaching Revision & Re-teaching Revision & Re-teaching Vear 13 PPE 1 PPE Feedback Revision & Re-teaching	Targeted Practice Targeted Practice Targeted Practice Targeted Practice			Revision & Re-teaching Revision & Re-teaching Revision & Re-teaching Revision & Re-teaching End OI Spring Term Year 13 PPE 1 PPE Feedback Revision & Re-teaching	Targeted Practice Targeted Practice Targeted Practice Targeted Practice Targeted Practice			CP1 and CP2 Exam practice CP1 and CP2 Exam practice FS1 Exam practice FS1 Exam practice FS1 Exam practice Vear 13 PPE 1 PPE Feedback Revision & Re-teaching	Ex 8E

	Half Term								
05 June 2022	Public Exams	Public Exams	Public Exams						
19 June 2022	Public Exams	Public Exams	Public Exams						
	End Of Summer Term								