Week	Week Beginning	Calendar constraints		Textbook reference	Topics	RS/HW	AP	Other	Data deadline
			1	#N/A	#N/A				
			1	1.1	Proof by contradiction				
			1	1.2	Algebraic fractions			Thur 7th	
		Inset 4th	1	1.3	Partial fractions			CPD	
1	04/09/2023	Induct 5&6	1	1.4	Repeated factors			twighlight	
			1	1.5	Algebraic division				
			1	2.1	The modulus function				
			1	2.2	Functions and mappings				
			1	2.3	Composite functions				
2	11/09/2023		1	2.4	Inverse functions				
			1	2.5	y =|f(x)| and y = f(lxl)				
			1	2.6	Combining transformations				
			1	2.7	Solving modulus problems				
			1	3.1	Arithmetic sequences				
3	18/09/2023		1	3.2	Arithmetic series				Y12 Baseline
			a	AP					
			b	Buffer					
			1	3.3	Geometric sequences				
			1	3.4	Geometric series		Stats(10marks); Mech (20 marks);	Wed - Y12	
4	25/09/2023		1	3.5	Sum to infinity		Pure (20 marks)	awards	
			1	3.6	Sigma notation				
			1	3.7	Recurrence relations				
			1	3.8	Modelling with series				
			1	4.1	Expanding $(1 + x)^n$				
5	02/10/2023		1	4.2	Expanding $(a + bx)^n$				Y13 AP1
			0						
		Tue inset	0						
		Thur	1	4.3	Using partial fractions			Thur - Y12	
		progress	1	5.1, 5.2, 5.3	Radian measure , Arc length , Areas of sectors and segments			tutor	
6	09/10/2023	day	1	5.4, 5.5, 6.1, 6	Solving trigonometric equations , Small angle approximations , Secant, cosecant and			parents eve	
			1	6.3	Using sec x, cosec x and cot x				
			1	6.4	Trigonometric identities				
			1	6.5	Inverse trigonometric functions			Tue 17th	
			1	7.1	Addition formulae			CPD	
7	16/10/2023		1	7.2	Using the angle addition formulae			twighlight	
			0						
			0						
			0						
			0						
8	23/10/2023	Half term	0						
			1	7.3	Double-angle formulae				
			1	7.4	Solving trigonometric equations				
			1	7.5	Simplifying a cosx ± b sin x			Tue 31st	
			1	7.6	Proving trigonometric identities			Y13 parents	
9	30/10/2023		1	7.7	Modelling with trigonometric functions			eve	
			1	8.1	Parametric equations				
			1	8.2	Using trigonometric identities				
			1	8.3	Curve sketching				
			1	8.4	Points of intersection			Wed 8th	
10	06/11/2023		1	8.5	Modelling with parametric equations			Open eve	
			1	9.1	Differentiating sin x and cos x				
			1	9.2	Differentiating exponentials and logarithms				
			1	9.3	The chain rule				
			1	9.4	The product rule				
11	13/11/2023		1	9.5	The quotient rule				
			1	9.6	Differentiating trigonometric functions				
			1	9.7	Parametric differentiation				
			0						
			0					Fri 24th	
12	20/11/2023	Fri inset	0					Trust inset	
			1	9.8	Implicit differentiation				
			1	9.9	Using second derivatives				
			1	9.1	Rates of change			Tue 28th	
			1	10.1	Locating roots			Math	
13	27/11/2023		1	10.2	Iteration			challenge	
			a	AP					
			a	AP					
			a	AP					
		Y13 mock	a	AP				Thu 7th	
14	04/12/2023	exam week	a	AP				Twilight	
			1	10.3	The Newton-Raphson method				
			1	10.4	Applications to modelling				
			1	11.1	Integrating standard functions		40marks Y12 Pure; 50 marks Y13		
			1	11.2	Integrating f(ax + b)		Pure (upto chapter 7); 60 marks		
15	11/12/2023		1	11.3	Using trigonometric identities		actual y12 applied paper		
			1	11.4	Reverse chain rule				
			1	11.5	Integration by substitution				
			1	11.6	Integration by parts				
			1	11.7	Partial fractions				
16	18/12/2023		1	11.8	Finding areas				Y13 AP2
			0						
			0						
			0						
			0						
17	25/12/2023	Xmas	0						
			0						
			0						
			0						
			0						
18	01/01/2024	Xmas	0						
			1	11.8	Finding areas				
			1	11.9	The trapezium rule				
			1	11.1	Solving differential equations			Thur - y13	
			1	11.11	Modelling with differential equations			alumni	
19	08/01/2024		1	12.1, 12.2	3D coordinates , Vectors in 3D			awards	Y12 AP2 (Thurs)
			1	12.3	Solving geometric problems				
			1	12.4	Application to mechanics				
		Tue	1	1.1	Exponential models				
		Progress	1	1.2	Measuring correlation				
20	15/01/2024	day	1	1.3	Hypothesis testing for zero correlation				
			1	2.1	Set notation				
			1	2.2, 2.3	Conditional probability , Conditional probabilities in Venn diagrams				
			1	2.4, 2.5	Probability formulae , Tree diagrams				
			1	3.1, 3.2	The normal distribution , Finding probabilities for normal distributions			Mon 22nd	
21	22/01/2024		1	3.3	The inverse normal distribution function			twilight	
			a	AP					
			b	Buffer					
			1	3.4	The standard normal distribution				

Lesson Days	Thu (2) Fri (3)

			1	3.5	Finding μ and σ			
22	29/01/2024		1	3.6	Approximating a binomial distribution	Y13 Pure up ch10		
			0					
			0					
			1	3.7	Hypothesis testing with the normal distribution			
			1	3.7	Hypothesis testing with the normal distribution		Tue - open	
23	05/02/2024	Thur inset	1	4.1	Moments		evening	Y13 AP3
			0					
			0					
			0					
			0					
24	12/02/2024	Half term	0					
			1	4.2	Resultant moments			
			1	4.3	Equilibrium			
			1	4.4	Centres of mass			
			1	4.5	Tilting			
25	19/02/2024		1	5.1	Resolving forces			
			a	AP				
			a	AP				
			a	AP				
		Y13 mock	a	AP			Wed 28th	
26	26/02/2024	week	a	AP			twilight	
			1	5.2	Inclined planes			
			1	5.3	Friction			
		Y13 mock	1	6.1, 6.2	Horizontal projection , Horizontal and vertical components			
		week ->	1	6.3	Projection at any angle			
27	04/03/2024	Wed	1	6.4	Projectile motion formulae			
			1	7.1, 7.2	Static particles , Modelling with statics			
			1	7.3	Friction and static particles			
			1	7.4	Static rigid bodies			
			1	7.5	Dynamics and inclined planes		Tue - Quiz	
28	11/03/2024		1	7.6	Connected particles	2x Y13 Pure; 1x Y12 Applied	night	Y13 Mock 2 AP4
			1	8.1	Vectors in kinematics			
			1	8.2	Vector methods with projectiles			
			1	8.3, 8.4	Variable acceleration in one dimension , Differentiating vectors			
			1	8.5	Integrating vectors			
29	18/03/2024		1					
			1					
			1					
			0				Wed Y13	
		Fri - bank	0				parents	
30	25/03/2024	hol	0				evening	Thur Y12 AP3
			0					
			0					
			0					
			0				Thur - Y13	
31	01/04/2024	Easter	0				parents eve	
			0					
			0					
			0					
			0					
32	08/04/2024	Easter	0					
			0					
			0					
		Thur	1				Thur - Y12	
		progress	a	AP			parents	
33	15/04/2024	day	a	AP			evening	
			1					
			1					
			1					
			1					Y13 AP5 (at risk or
34	22/04/2024		1			Applied Y13 Paper (Actual)		finish course)
			1					
			1					
			1					
			1				Thur -	
35	29/04/2024		1				twilight 5	
			1					
			1					
			1					
		Mon Bank	1					
36	06/05/2024	hol	1					
			0					
			0					
			0					
		Summer	0				Fri Y13	
37	13/05/2024	Exams start	0				leavers?	
			0					
			0					
			0					
			0					
38	20/05/2024		0					
			0					
			0					
			0					
			0					
39	27/05/2024	Half Term	0					
			0					
			0					
			0					
			0					
40	03/06/2024		0					
			0					
			0					
			0					
			0					
41	10/06/2024		0					
			0					
			0					
			0					
		Fri - study	0				Friday UCAS	
42	17/06/2024	leave	0				exhibition?	
			0					
			0				Mon Y11	
			0				induction	
			0				Thu Y13	
43	24/06/2024	Y12 mocks	0				prom	
			0					
			0					
		Y12 mocks -	0					

		> Tue	0			Tue 2nd
44	01/07/2024	Post 18 days	0			twilight
			0			
			0			
			0			
			0			
45	08/07/2024		0			Y12 AP5
			0			
			0			
			0			
			0			
46	15/07/2024	Work Exp	0			Y12 mock 2 AP6
	22/07/2024	FINISHED!!!				