

Week	Calendar	Textbook	Topics	RS/HW	AP	Other	Data deadline
Beginning	constraints	reference					
1	04/09/2023	Inset 4th Induct 5&6	0 0 0 0 0			Thur 7th CPD twilight	
2	11/09/2023		d Diagnostic Expectations d Diagnostic use of notation (kahoot) Consider chapter 1 d Diagnostic quadrilaterals d Diagnostic rearranging d Diagnostic UKMT			Baseline	
3	18/09/2023		a AP b Buffer 1 2.01 2.1 Notation 7 (move on to next part quickly) 1 2.02 2.2 Proof 8 1 2.02 2.2 Proof 8			Y12 Baseline	
4	25/09/2023		1 3.01, 3.02 3.1 Expanding Brackets 16, 3.2 Factorising 19 1 3.03 3.3 Algebraic Fractions 21 1 3.04, 3.05 3.1 Laws of Indices 25, 3.5 The Laws of Surds 28 1 3.06 3.6 Rationalising the Denominator 30 1 4.01, 4.02 4.1 Factorising a Quadratic 39, 4.2 The Quadratic Formula 43			Wed - Y12 awards	
5	02/10/2023		1 4.03 4.3 Completing the Square 46 1 4.04 4.4 Quadratics Involving Functions of x 49 1 4.05 4.5 The Roots of a Quadratic Function 51 1 4.06 4.6 Using the Discriminant 54 1 4.07 4.7 Sketching Quadratic Graphs 58 1 4.08 4.1 Factorising a Cubic (When x is a Factor) 65			Y13 AP1	
6	09/10/2023	Tue inset Thur progress day	1 4.09, 4.1 4.9 The Factor Theorem 67, 4.10 Factorising a Cubic (When x isn't a Factor) 1 4.11 4.11 Algebraic Division 73 1 5.01 5.1 Linear Inequalities (move onto next quickly and use time for one sim; one quad) 1 5.02 5.2 Quadratic Inequalities 86			Thur - Y12 tutor parents eve	
7	16/10/2023		1 5.03 5.3 Graphing Inequalities 91 1 5.04 5.4 Simultaneous Equations - Both Linear 95 1 5.05 5.5 Simultaneous Equations - if One is not Linear 1 6.01 6.1 Equations of the Form $y = m(x - 1)$ 1 6.02, 6.03 6.2 Equations of the Form $y = mx + c$, 6.3 Equations of the Form $ax + by + c = 0$			Tue 17th CPD twilight	
8	23/10/2023	Half term	0 0 0 0 0				
9	30/10/2023		1 6.04, 6.05, 6.06 6.4 Parallel Lines 114, 6.5 Perpendicular Lines 116, 6.6 Direct Proportion 120 1 6.07 6.7 Sketching Cubic and Quartic Graphs 123 1 6.08 6.6 Graphs of Reciprocal Functions and Negative Powers 127 1 6.09 6.9 Translations 129 1 6.1 6.10 Stretches and Reflections 132 1 6.11 6.11 The Equation of a Circle 137			Tue 31st Y13 parents eve	
10	06/11/2023		1 6.12 6.12 Rearranging Circle Equations 141 1 6.13 6.13 Using Circle Properties 144 1 7.01, 7.02 7.1 Binomial Expansions $-(1+x)^n$, 7.2 Binomial Expansions $-(1+ax)^n$ 1 7.03, 8.01, 8.07 3 Binomial Expansions $(a+b)^n$, 8.1 Trig Values from Triangles 175, 8.2 Trig Values			Wed 8th Open eve	
11	13/11/2023		1 7.03, 8.01, 8.07 3 Binomial Expansions $(a+b)^n$, 8.1 Trig Values from Triangles 175, 8.2 Trig Values 1 8.03 8.3 The Sine Rule 177 1 8.04 8.4 The Cosine Rule 180 1 8.05 8.5 More Trig Rules 183 1 8.06 8.6 Trig Identities 186 1 8.07 8.7 Graphs of Trig Functions 189				
12	20/11/2023	Fri inset	1 8.08 8.8 Solving Trig Equations by Sketching a Graph 195 1 8.09 8.9 Solving Trig Equations Using a CAST Diagram 198 1 8.1 8.10 Solving Trig Equations by Changing the Interval 201 1 8.11 8.11 Using Trig Identities to Solve Equations 205			Fri 24th Trust inset	
13	27/11/2023		1 9.01 9.1 Exponentials 216 1 9.01 9.1 Exponentials 216 0 0 0			Tue 28th Math challenge	
14	04/12/2023	Y13 mock exam week	1 9.02 9.2 Logarithms 220 1 9.02 9.2 Logarithms 220 1 9.03, 9.04 9.3 Laws of Logs 224, 9.4 Changing the Base of a Log 226 1 9.03, 9.04 9.3 Laws of Logs 224, 9.4 Changing the Base of a Log 226 1 9.05 9.5 Solving Equations with Exponentials and Logs 228 1 9.06 9.6 Modelling Exponential Growth and Decay 232 1 9.07 9.7 Logarithmic Graphs in Linear Form 237 1 9.07 9.7 Logarithmic Graphs in Linear Form 237			Thu 7th Twilight	
15	11/12/2023		a AP b Buffer				
16	18/12/2023		1 10.01 10.1 Finding the Gradient of a Curve 248 1 10.02 10.2 Differentiating from First Principles 249 1 10.03 10.3 Differentiating ax^n 1 10.04 10.4 Differentiating Functions 254 1 10.05 10.5 Finding Tangents and Normals 257			Y12	Y13 AP2
17	25/12/2023	Xmas	0 0 0 0 0				
18	01/01/2024	Xmas	0 0 0 0 0				
19	08/01/2024		1 10.06 10.6 Finding Second Order Derivatives 261 1 10.07 10.7 Stationary Points 262 1 10.08 10.8 Maximum and Minimum Points 265 1 10.09 10.9 Increasing and Decreasing Functions 268 1 10.1 10.10 Curve Sketching 270 1 10.11 10.11 Speed and Acceleration Problems 274 1 10.12 10.12 Length, Area and Volume Problems 276 1 10.12 10.12 Length, Area and Volume Problems 276			Thur - y13 alumni awards	Y12 AP2 (Thurs)
		Tue	1 10.12 10.12 Length, Area and Volume Problems 276				

			1	11.01	11.1 Integration 289			
20	15/01/2024	Progress day	1	11.02	11.2 Integrating ax^n			
			1	11.03	11.3 Integrating Functions 292			
			1	11.04	11.4 Integrating to Find Equations of Curves 294			
			1	11.05	11.5 Evaluating Definite Integrals 297			
21	22/01/2024		1	12.01	12.1 Introducing Vectors 310			Mon 22nd twilight
			1	12.02	12.2 Position Vectors 316			
			1	12.03	12.3 Calculating with Vectors 320			
			1	12.04	12.4 Modelling with Vectors 325			
22	29/01/2024		1	1.01	1.1 Populations and Censuses			
			a	AP				
			b	Buffer				
			1	1.01	1.1 Populations and Censuses			
			1	1.02	1.2 Sampling (add in LDS introduction)			
			1	1.02	1.2 Sampling (add in LDS introduction)			
			1	2.01	1 Representing Data 2			Tue - open evening
23	05/02/2024	Thur inset	1	2.02	2 Histograms 2			Y12 AP? Y13 AP3
			0					
			0					
			0					
			0					
24	12/02/2024	Half term	0					
			1	2.03, 2.04	3 The Mean 2, 4 The Mode and the Median 2			
			1	2.05	5 Averages of Grouped Data 2			
			1	2.05	5 Averages of Grouped Data 2			
			1	2.06	6 Comparing Measures of Location 2			
25	19/02/2024		1	2.07, 2.08	7 Range, Interquartile Range and Interpercentile Range, Cumulative Frequency Diagrams			
			5	2.12	12 Comparing Distributions 2			
			1	2.13	13 Scatter Diagrams and Correlation 2			
			1	2.14	14 Explanatory and Response Variables 2			
			1	2.15	15 Regression Lines Review Exercise			
26	26/02/2024	Y13 mock week	1	3.01, 3.02	The Basics of Probability, The Sample Space			Wed 28th twilight
			1	3.03, 3.04	Using Venn Diagrams, Using Two-Way Tables			
			1	3.05	The Addition Law			
			1	3.06	Mutually Exclusive Events			
			1	3.07	Independent Events			
27	04/03/2024	Y13 mock week -> Wed	1	3.08	Tree Diagrams			
			1	4.01, 4.02, 4.03	Discrete Random Variables, Probability Distributions and Functions, The Cumulative Distribution Function			
			1	4.04	Binomial Coefficients			
			1	4.05	The Binomial Distribution			
			1	4.06	Using the Binomial Probability Function			
			1	4.07	Using Binomial Tables to Find Probabilities			Tue - Quiz night
28	11/03/2024		1	4.08	Using Binomial Tables 'Backwards'			y12 Y13 Mock 2 AP4
			1	4.09	Modelling Real Problems with $B(n, p)$			
			1	5.01	Null and Alternative Hypotheses			
29	18/03/2024		a	AP				
			b	Buffer				
			1	5.02	Significance Levels and Test Statistics			
			1	5.03	Hypothesis Tests for a Binomial Distribution			
			1	5.04	Critical Regions for Binomial Hypothesis Tests			Wed Y13 parents evening
			1	6.01	S.I. Units			
30	25/03/2024	Fri - bank hol	1	6.02	Modelling in Mechanics			Thur Y12 AP3
			1	7.01, 7.02	Displacement, Velocity and Acceleration, Displacement-Time Graphs			
			1	7.03	Velocity-Time Graphs			
			1	7.03	Velocity-Time Graphs			
			1	7.04	Constant Acceleration Equations			Thur - Y13 parents eve
31	01/04/2024	Easter	1	7.04	Constant Acceleration Equations			
			0					
			0					
			0					
			0					
32	08/04/2024	Easter	0					
			1	7.05	Gravity			
			1	7.06	More Complicated Problems			
			1	7.07	Displacement with Non-Uniform Acceleration			Thur - Y12 parents evening
			1	7.08	Velocity and Acceleration Equations			
33	15/04/2024	Thur progress day	1	7.09	Maximum and Minimum Points			
			1	8.01	8.1 Treating Forces as Vectors			
			1	8.02	8.2 Resultant Forces and Equilibrium			
			1	8.03	8.3 Newton's Laws of Motion			
			1	8.04	8.4 Using Newton's Laws			Y13 AP5 (at risk or finish course)
			1	8.05	8.5 Connected Particles			
			1	8.06	8.6 Pegs and Pulleys			
			1	8.07	8.7 Harder Problems Involving Pegs and Pulleys			
			1					
			a	AP				Thur - twilight 5
35	29/04/2024		b	Buffer				
			0					
			0					
			0					
			1					
36	06/05/2024	Mon Bank hol	1					
			1					
			1					
			1					
			1					
37	13/05/2024	Summer Exams start	1					Fri Y13 leavers?
			1					
			1					
			1					
			1					
38	20/05/2024		1					
			0					
			0					
			0					
			0					
39	27/05/2024	Half Term	0					
			1					
			1					
			1					

		1		
40	03/06/2024	1		
		1		
		1		
		1		
		1		
41	10/06/2024	1		
		1		
		1		
		0		
42	17/06/2024	0		
	Fri - study leave	0		Friday UCAS exhibition?
		0		
		1		
		1		
		0		
		0		
43	24/06/2024	0		
	Y12 mocks	0		Mon Y11 induction
		0		Thu Y13 prom
		0		
		0		
		0		
44	01/07/2024	0		
	Y12 mocks - > Tue	0		Tue 2nd twilight
	Post 18 days	0		
		0		
		0		
		0		
45	08/07/2024	0		Y12 AP5
		0		
		1		
		1		
		1		
		1		
46	15/07/2024	1		Y12 mock 2 AP6
	Work Exp	1		
	22/07/2024 FINISHED!!!			