W/c	Week	Τε	eacher 1 (Pure and Decision) DI	МІ	Teacher 2 (Pure) HAG	Teacher 3	(Pure) IPR
02/09	1						
09/09	2	Core Pure ch 3 (Series)	Core Pure ch 3 (Series)		Core Pure ch 1 (Complex Numbers)	Core Pure ch 1 (Complex Numbers)	Core Pure ch 1 (Complex Numbers)
16/09	3	Core Pure ch 3 (Series)	Core Pure ch 3 (Series) DIRT	Catch Up	Core Pure ch 1 (Complex Numbers)	Core Pure ch 1 (Complex Numbers)	
23/09	4	Core Pure ch 4 (Roots and Polynomials)	Core Pure ch 4 (Roots and Polynomials)		Core Pure ch 1 (Complex Numbers)	Core Pure ch 1 (Complex Numbers)	Core Pure ch 1 (Complex Numbers) DIRT
30/09	5	Core Pure ch 4 (Roots and Polynomials)	Core Pure ch 4 (Roots and Polynomials)	Core Pure ch 4 (Roots and Polynomials)	Core Pure ch2 (Argand Diagrams)	Core Pure ch2 (Argand Diagrams)	
07/10	6	Core Pure ch 4 (Roots and Polynomials)	Core Pure ch 4 (Roots and Polynomials)		Core Pure ch2 (Argand Diagrams)	Core Pure ch2 (Argand Diagrams)	Core Pure ch2 (Argand Diagrams)
14/10	7	Core Pure ch 4 (Roots and Polynomials) DIRT	Catch Up	Decision ch1 (Algorithms)	Core Pure ch2 (Argand Diagrams)	Core Pure ch2 (Argand Diagrams)	
21/10	8	Decision ch1 (Algorithms)	Decision ch1 (Algorithms)		Core Pure ch2 (Argand Diagrams)	Core Pure ch2 (Argand Diagrams) DIRT	Catch Up
				Half Term			
04/11	9	Decision ch1 (Algorithms) DIRT	Assessment Pure (Chap 1-4)	Decision ch2 (Graphs and networks)	Catch Up	Catch Up	
11/11	10	Decision ch2 (Graphs and networks)	Decision ch2 (Graphs and networks)		Core Pure ch6 (Matrices)	Core Pure ch6 (Matrices)	Core Pure ch6 (Matrices)
18/11	11	Decision ch3 (Algorithms on graphs)	Decision ch3 (Algorithms on graphs)	Decision ch3 (Algorithms on graphs)	Core Pure ch6 (Matrices)	Core Pure ch6 (Matrices)	
25/11	12	Decision ch3 (Algorithms on graphs) DIRT	Catch up		Core Pure ch6 (Matrices)	Core Pure ch6 (Matrices)	Core Pure ch6 (Matrices)
02/12	13	Decision ch4 (Route inspection)	Decision ch4 (Route inspection)	Decision 2 ch3 Algorithms on Graphs	Core Pure ch6 (Matrices)	Core Pure ch6 (Matrices)	
09/12	14	Decision 2 ch3 Algorithms on Graphs	Decision 2 ch3 Algorithms on Graphs		Core Pure ch6 (Matrices)	Core Pure ch6 (Matrices) DIRT	Core Pure ch7 (Linear Transform)
16/12	15	Decision 2 ch3 Algorithms on Graphs	Decision 2 ch3 Algorithms on Graphs	Decision 2 ch3 Algorithms on Graphs	Core Pure ch7 (Linear Transform)	Core Pure ch7 (Linear Transform)	
				Christmas Holiday			
06/01	16	Decision 2 ch3 Algorithms on Graphs	Assessment Decision (Ch 1-4 + Ch 3)		Core Pure ch7 (Linear Transform)	Core Pure ch7 (Linear Transform)	Core Pure ch7 (Linear Transform)
13/01	17	Decision 2 ch2 Allocation Problems	Decision 2 ch2 Allocation Problems	Decision 2 ch2 Allocation Problems	Core Pure ch7 (Linear Transform)	Core Pure ch7 (Linear Transform)	
20/01	18	Decision 2 ch2 Allocation Problems	Decision 2 ch2 Allocation Problems DIRT		Core Pure ch7 (Linear Transform)	Catch Up	Assessment Pure (Chap 6-7)
27/01	19	Catch Up	Decision ch6 (Linear Programming)	Decision ch6 (Linear Programming)	Core Pure ch8 (Proof by induction)	Core Pure ch8 (Proof by induction)	
03/02	20	Decision ch6 (Linear Programming)	Decision ch6 (Linear Programming)	(Core Pure ch8 (Proof by induction)	Core Pure ch8 (Proof by induction)	Core Pure ch8 (Proof by induction) DIRT

10/02	21	Decision ch6	Decision ch6	Decision ch6	Core Pure ch9	Core Pure ch9	
		(Linear Programming)	(Linear Programming)	(Linear Programming) DIRT	(Vectors)	(Vectors)	
				Half Term			
24/02	22	Decision 2 ch6	Decision 2 ch6		Core Pure ch9	Core Pure ch9	Core Pure ch9
		(Game Theory)	(Game Theory)		(Vectors)	(Vectors)	(Vectors)
03/03	23	Decision 2 ch6	Catch Up	Decision ch8	Core Pure ch9	Core Pure ch9	
		(Game Theory)		(Critical Path Analysis)	(Vectors)	(Vectors)	
10/03	24	Decision ch8	Decision ch8		Core Pure ch9	Core Pure ch9	Core Pure ch9
		(Critical Path Analysis)	(Critical Path Analysis)		(Vectors)	(Vectors)	(Vectors)
17/03	25	Decision ch8	Decision ch8	Decision ch8	Core Pure ch9	Core Pure ch9	
		(Critical Path Analysis)	(Critical Path Analysis)	(Critical Path Analysis)	(Vectors)	(Vectors)	
24/03	26	Decision ch8	Decision 2 ch7		Core Pure ch9	Core Pure ch9	Core Pure ch9
		(Critical Path Analysis) DIRT	(Recurrence Relations		(Vectors)	(Vectors)	(Vectors) DIRT
31/03	27	Decision 2 ch7	Decision 2 ch7	Decision 2 ch7	Core Pure ch5	Core Pure ch5	
		(Recurrence Relations	(Recurrence Relations	(Recurrence Relations	(Volumes of revolution)	(Volumes of revolution)	
				Easter			
21/04	28	Assessment	Assessment		Core Pure ch5	Assessment	Assessment
		AS Decision Mock	AS Decision Mock		(Volumes of revolution)	AS Core Mock	AS Core Mock
28/04	29	Revision	Revision	Revision	Revision	Revision	
05/05	30	Revision	Revision		Revision	Revision	Revision
12/05	31	Revision	Revision	Revision	Revision	Revision	
19/05	32	Revision	Revision		Revision	Revision	Revision
				Half Term			
02/06	33						
09/06	34						
16/06	35						
23/06	36						
30/06	37						
07/07	38						
14/07	39						
21/07	40						

Pure Maths

Year 1/AS

Chapter 1 – Algebraic expressions (not expanding and factorising)

	Торіс	Lessons suggested
1.1	Index laws	1 lesson
1.4	Negative and fractional indices	
1.5	Surds	1 lesson
1.6	Rationalise	1 lesson

Chapter 2 – Quadratics (+ expanding and factorising from ch1)

	Торіс	Lessons suggested
1.2	Expand brackets	2 lessons
1.3	Factorise	
2.1	Solving quadratics (factorising and formula)	

Total 3 lessons

2.2	Completing the square	
2.3	Functions	1 lesson
2.4	Quadratic graphs	
2.5	Discriminant	1 lesson
2.6	Modelling	1 lesson

Chapter 3 – Equations and inequalities

	Торіс	Lessons suggested
3.1	Linear Simultaneous equations	1 lesson
3.2	Quadratic Simultaneous equations	1 lesson
3.3	Simultaneous equations with graphs (including the	1 lesson
	discriminant)	
3.4	Linear inequalities	1 lesson
3.5	Quadratic inequalities	1 lesson
3.6	Inequality graphs	1 lesson
3.7	Regions	

Chapter 4 – Graphs and transformations

	Торіс	Lessons suggested
4.1	Cubic graphs	1 lesson
4.2	Quartic graphs	1 lesson
4.3	Reciprocal graphs	
4.4	Points of intersection	1 lesson
4.5	Translating graphs	2 lessons
4.6	Stretching graphs	
4.7	Transforming graphs	

Chapter 5 – Straight line graphs

	Торіс	Lessons suggested
5.1	y = mx + c	1 lesson
5.2	Equations of straight lines	
5.3	Parallel and perpendicular	1 lesson
5.4	Length and area	1 lesson

Total 5 lessons

Total 6 lessons

Total 5 lessons

5.5	Modelling with lines
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Chapter 6 – Circles

	Торіс	Lessons suggested
6.1	Midpoints	1 lesson
6.2	Equation of a circle	1 lesson
6.3	Intersections of straight lines and circles	1 lesson
6.4	Tangents and chords	1 lessons
6.5	Circles and triangles	1 lesson

1 lesson

Chapter 7 – Algebraic methods

	Торіс	Lessons suggested
7.1	Algebraic fractions	1 lesson
7.2	Divide polynomials	2 lesson
7.3	Factor theorem	1 lesson
7.4	Mathematical proof	1 lesson
7.5	Methods of proof	1 lesson

Chapter 8 – Binomial Expansions

	Торіс	Lessons suggested
8.1	Pascal's triangle	1 lesson
8.2	Factorial notation	1 lesson
8.3	Binomial expansion	1 lesson
8.4	Solving binomial problems	1 lessons
8.5	Binomial estimation	1 lesson

Chapter 9 – Trigonometric ratios

	Торіс	Lessons suggested
9.1	Cosine rule	2 lessons
9.2	Sine rule	
9.3	Area of a triangle	
9.4	Solve triangle problems	1 lesson

Total 5 lessons

Total 6 lessons

Total 5 lessons

Total 4 lessons

9.5	Graphs	1 lesson
9.6	Transforming trigonometric graphs	

Chapter 10 – Trigonometric identities and equations

	Торіс	Lessons suggested
10.1	Angles in 4 quadrants	1 lesson
10.2	Exact values in trigonometric ratios	
10.3	Trigonometric identities	1 lesson
10.4	Simple trigonometric equations	1 lesson
10.5	Harder trigonometric equations	1 lesson
10.6	Equations and identities	1 lesson
	Revision	1 lesson

Total 4 lessons

Total 6 lessons

Chapter 11 – Vectors

	Торіс	Lessons suggested
11.1	Vectors	1 lesson
11.2	Representing vectors	
11.3	Magnitude and direction	1 lesson
11.4	Position vectors	1 lesson
11.5	Solving geometrical problems	1 lesson
11.6	Modelling	1 lesson

Chapter 12 – Differentiation

	Торіс	Lessons suggested
12.1	Gradients of curves	1 lesson
12.2	Finding the derivatives	1 lesson
12.3	Differentiating x ⁿ	1 lesson
12.4	Differentiating quadratics	1 lesson

Total 5 lessons

12.5	Differentiating functions with 2 or more terms	
12.8	Second order differentials	1 lesson
12.6	Gradients, tangents and normals	1 lesson
12.7	Increasing and decreasing functions	1 lesson
12.9	Stationary points	1 lesson
12.10	Sketching gradient functions	1 lesson
12.11	Modelling with differentiation	1 lessons

Chapter 13 – Integration

	Торіс	Lessons suggested
13.1	Integrating x ⁿ	1 lesson
13.2	Indefinite integration	1 lesson
13.3	Finding functions	1 lesson
13.4	Definite integration	1 lesson
13.5	Areas under curves	1 lesson
13.6	Areas under x- axis	1 lesson
13.7	Areas between curves and lines	2 lessons

Chapter 14 – Exponentials and logarithms

	Торіс	Lessons suggested
14.1	Exponential function	1 lesson
14.2	y = e ^x	
14.3	Exponential modelling	1 lesson
14.4	Logarithms	
14.5	Laws of logarithms	1 lesson
14.6	Solving equations using logarithms	1 lesson
14.7	Working with natural logarithms	1 lesson
14.8	Logarithms and non-linear data	1 lessons
	Chapter assessment	1 lesson

Total 10 lessons

Total 8 lessons

Total 7 lessons

Baseline assessment

Pure ch 1-4 (algebra, quadratics, inequalities, graphs and transformations)

Pure ch 5/6 (coordinate geometry)

Pure ch 12 (differentiation)

Pure ch 14 (exponentials and logs)

In addition, there are extra chapter assessments which should be completed either in class in test conditions (time permitting) or as a homework

Pure ch 7 and 8 (polynomials and binomial)

Pure ch 9/10 (trig identities and equations)

Pure ch 11 (vectors)

Pure ch 13 (integration)