HMX2

HSC Mathematics (Extension 2)

2025 Weekly Course

WEEK		TOPIC	EXT 2	EXT 1	ADV
HMX2	**2025 HSC Weekly Course**				
SCHOOL TERM 4 (2024)					
40	14 Oct - 20 Oct	Sequences & Series and Financial Mathematics			●
41	21 Oct - 27 Oct	Complex Numbers	●		
42	28 Oct - 3 Nov	Representations of Complex Numbers	●		
43	4 Nov - 10 Nov	Vectors in 2D & Vector Applications	●	●	
44	11 Nov - 17 Nov	Complex Numbers as Vectors & Trigonometric Equations	●	●	
45	18 Nov - 24 Nov	Proof by Mathematical Induction	●	●	
46	25 Nov - 1 Dec	Further Functions & Applications of the Derivative		●	●
47	2 Dec - 8 Dec	Intu Term 4, 2024 Exam	●	●	
48	9 Dec - 15 Dec	Intu Term 4, 2024 Exam Review			
49	16 Dec - 22 Dec	Tutorials Only			
2025					
1	20 Jan - 26 Jan	The Fundamentals of Proof	●		
2	27 Jan - 2 Feb	Further Proof and Inequalities	●		
SCHOOL TERM 1					
3	3 Feb - 9 Feb	Introduction to Integral Calculus			●
4	10 Feb - 16 Feb	Further Calculus & Volumes		●	●
5	17 Feb - 23 Feb	Further Applications of Vectors & Projectile Motion		●	
6	24 Feb - 2 Mar	Vectors in 3D	●	●	
7	3 Mar - 9 Mar	Integration Techniques	●		
8	10 Mar - 16 Mar	Integration by Parts	●		
9	17 Mar - 23 Mar	Harder Integration Techniques	●		
10	24 Mar - 30 Mar	Intu Half-Yearly Exam 2025 (Ext 2) & Intu Half-Yearly Exam 2025 (Ext 1)	●	●	
11	31 Mar - 6 Apr	Intu Half-Yearly Exam 2025 Review			
12	7 Apr - 13 Apr	Tutorials Only			
13	14 Apr - 20 Apr	Autumn School Holidays (Descriptive Statistics & Bivariate Data - Online)			●
14	21 Apr - 27 Apr	Autumn School Holidays			
SCHOOL TERM 2					
15	28 Apr - 4 May	Continuous Random Variables			●
16	5 May - 11 May	The Normal Distribution & Bernoulli Random Variables		●	●
17	12 May - 18 May	The Binomial Distribution & The Normal Approximation		●	
18	19 May - 25 May	Differential Equations		●	
19	26 May - 1 Jun	Standard Motion & Simple Harmonic Motion	●		
20	2 Jun - 8 Jun	Resisted Motion	●		
21	9 Jun - 15 Jun	Further Resisted & Projectile Motion	●		
22	16 Jun - 22 Jun	Revision Lesson 1	●	●	
23	23 Jun - 29 Jun	Revision Lesson 2	●	●	
24	30 Jun - 6 Jul	Tutorials Only			

CLASSES

Wednesday	4:30pm-7:30pm
Saturday	9:30am-12:30pm
Sunday	9:30am-12:30pm

TUTORIAL TIMES

Weekdays	3:30pm-4:30pm
	4:30pm-5:30pm
	5:30pm-6:30pm
	6:30pm-7:30pm
Weekends	9:30am-10:30am
	10:30am-11:30am
	11:30am-12:30pm
	12:30pm-1:30pm
	1:30pm-2:30pm
	2:30pm-3:30pm
	3:30pm-4:30pm
	4:30pm-5:30pm
	5:30pm-6:30pm

Maths Level

EXT 2 Extension 2 Maths

EXT 1 Extension 1 Maths

ADV Advanced Maths

intuition