

**HMX2**

HSC Mathematics (Ext 2) 2024

2024 Weekly Course

WEEK

TOPIC

EXT 2 **EXT 1** **ADV****CLASSES****HMX2 2024 HSC Weekly Course****SCHOOL TERM 4 (2023)**

39	9 Oct - 15 Oct	Sequences & Series and Financial Mathematics						
40	16 Oct - 22 Oct	Complex Numbers						
41	23 Oct - 29 Oct	Representations of Complex Numbers						
42	30 Oct - 5 Nov	Vectors in 2D and Vector Applications						
43	6 Nov - 12 Nov	Complex Numbers as Vectors and Trigonometric Equations						
44	13 Nov - 19 Nov	Proof by Mathematical Induction						
45	20 Nov - 26 Nov	Further Functions and Applications of the Derivative						
46	27 Nov - 3 Dec	Intuition Term 4, 2023 Exam						
47	4 Dec - 10 Dec	Intuition Term 4, 2023 Exam Review						

2024

1	15 Jan - 21 Jan	The Fundamentals of Proof						
2	22 Jan - 28 Jan	Further Proof and Inequalities						

SCHOOL TERM 1

3	29 Jan - 4 Feb	Introduction to Integral Calculus						
4	5 Feb - 11 Feb	Further Calculus & Volumes						
5	12 Feb - 18 Feb	Further Applications of Vectors & Projectile Motion						
6	19 Feb - 25 Feb	Vectors in 3D						
7	26 Feb - 3 Mar	Integration Techniques						
8	4 Mar - 10 Mar	Integration by Parts						
9	11 Mar - 17 Mar	Harder Integration Techniques						
10	18 Mar - 24 Mar	Intuition Half-Yearly, 2024 (Ext 2 & Ext 1) - Exam						
11	25 Mar - 31 Mar	Tutorials Only (Easter)						
12	1 Apr - 7 Apr	Intuition Half-Yearly, 2024 (Ext 2 & Ext 1) - Exam Review						
13	8 Apr - 14 Apr	Tutorials Only						
14	15 Apr - 21 Apr	Descriptive Statistics and Bivariate Data [ONLINE]						
15	22 Apr - 28 Apr	No classes or tutorials						

SCHOOL TERM 2

16	29 Apr - 5 May	Continuous Random Variables						
17	6 May - 12 May	The Normal Distribution & Bernoulli Random Variables						
18	13 May - 19 May	The Binomial Distribution & The Normal Approximation						
19	20 May - 26 May	Differential Equations						
20	27 May - 2 Jun	Standard Motion and Simple Harmonic Motion						
21	3 Jun - 9 Jun	Resisted Motion						
22	10 Jun - 16 Jun	Further Resisted and Projectile Motion						
23	17 Jun - 23 Jun	Revision Lesson 1						
24	24 Jun - 30 Jun	Revision Lesson 2						
25	1 Jul - 7 Jul	Tutorials Only						
26	8 Jul - 14 Jul	* July Comprehensive Revision Course						
27	15 Jul - 21 Jul	No classes or tutorials						

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