YISHUN SECONDARY SCHOOL ADDITIONAL MATHEMATICS SECONDARY 3 G3 2025

Mathematics Cu		Key Programmes
	uirements of the A Mathematics Syllabus, the	
	h at YSS focuses on developing thinking, reasoning and	
	kills using Math Modelling, making conjectures,	
investigations and	making connections among mathematical concepts.	
Term 1	Chapter	Assessment
Week 0		
(Thu & Fri)	Back to School Programme	
Week 1 (Mon)		
	Teacher's expectations	
Week 1	Chapter 3: Surds	Use of SLS
	3.1 Surds	
	3.2 Simplifying expressions involving surds	
Week 2	3.3 Solving equations involving surds	
	Chapter 1: Quadratic Functions	
	1.1 Quadratic functions of the form	
Week 3	y = a(x - p)(x - q)	
WOOK O	1.2 Quadratic functions of the form	
	$y = a(x - h)^2 + k$	
Week 4		
28 Jan – CNY	1.3 Conditions for quadratic curve to lie completely	
celebration,	above or below x-axis	
29- 30 Jan		
Wed, Thu - CNY	1.1.0 us dustis from stisues in used would southants	
	1.4 Quadratic functions in real-world contexts	
	Chapter 2 Equations & Inequalities	
Week 5	2.1 Solving quadratic equations by completing the	
WEER J	square (coefficient of x^2 is not 1)	
	2.2 Solving quadratic equations	
	(A) Quadratic Formula (Recap from E Math)	
	(B) Nature of roots	
Week 6	2.3 Solving linear and non-linear simultaneous	
	equations	
Week 7	2.4 Solving quadratic inequalities	
	Revision for WA1	
	Chapter 4: Polynomials, Cubic Equations & Partial	
Mook 9	Fractions	
Week 8	4.1 Polynomials	
	4.2 Remainder and Factor Theorem	
Week 9		
(Fri - no lesson)	4.3 Cubic expressions, equations and identities	WA1
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Week 10	4.4 Partial Fractions	
(Fri - no lesson)		
March	Holiday Assignment (Binomial Theorem Units 5.1, 5.2	2 on SLS)
INIAI CIT	Honday Assignment (Enformati mediem dinta 3.1, 3.4	

Term 2	Chapter	Assessment
Week 1	4.4 Partial Fractions (continued)	
Week 2 (31 Mar Mon- Hari Raya Puasa)	Chapter 5: Binomial Theorem and Its Applications 5.1 The Binomial Expansion of $(1 + b)^n$ 5.2 The Binomial Expansion of $(a + b)^n$	Consolidation of SLS assignments on units 5.1, 5.2
Week 3	5.3 Applications of Binomial Theorem in real-world contexts.	
Week 4 (18 Apr Fri – Good Friday)	Chapter 6: Exponential and Logarithmic Functions 6.1 Exponential expressions and equations	
Week 5	6.2 Introduction to Logarithms	
Week 6 (HBL - Fri)	6.3 Laws of Logarithms	
Week 7 (1 May Thu - Labour Day) (HBL - Fri)	6.3 Change of base formula Revision for WA2	SLS
Week 8 13 – 16 May (12 May Mon- Vesak day)	Sec 3 Camp	
Week 9	6.4 Logarithmic and Exponential equations	SLS
Week 10	6.5 Exponential and Logarithmic Functions and graphs	WA2

Term 3	Chapter	Assessment
Week 1	6.6 Applications of Exponential and Logarithmic Functions	
Week 2 (7 July Mon – School holiday for Youth Day)	Chapter 7: Coordinate Geometry 7.1 Mid-point of a Line Segment 7.2 Parallel and perpendicular lines 7.3 Equation of straight line 7.4 Areas of rectilinear figures	Consolidation of SLS assignment on units 7.1 – 7.4
Week 3 (HBL Tue - Thu)	HBL due to National Oral Examination 7.5 Equations of Circles	SLS Flipped Classroom
Week 4	7.5 Equations of Circles	SLS Flipped Classroom
Week 5	Chapter 9: Trigonometric Functions & Graphs 9.1 Trigonometric Ratios of acute angles and special angles	

Week 6 (8 Aug Fri – National Day celebration)	9.2 Trigonometric Ratios of general angles	
Week 7 (11 Aug Mon – school holiday)	9.3 Trigonometric functions and graphs	SLS
Week 8	Chapter 10: Trigonometric Equations & Identities 10.1 Trigonometric Equations A: Trig equations for acute or obtuse angle (recap) B: Trigonometric equations for general angle C: Solve trigonometric equations using basic angle and ASTC	WA3
Week 9	10.1 (continued) D: solve equations involving 0°, 90°, 180°, 270°, 360° E: solving more complicated trig equations	
Week 10 (4 Sep Thurs - Teachers' Day Celebration. 5 Sep Fri - Teachers' Day)	F: Principal values of sin ⁻¹ x, cos ⁻¹ x, tan ⁻¹ x Revision for End-of-Year Exam	

September Holiday Assignment (Past Year paper YSS EOY 2023)

Term 4	Chapter	Assessment
Week 1	Revision for End-of-Year Exam	
Week 2	Revision for End-of-Year Exam	
Week 3 - 4	End-of-Year Examination	
Week 5	Script Checking and Review of Exam Pa	pers
Week 6		
(20 Oct Mon –	Post-Exam Programmes	
Deepavali)		