

**YISHUN SECONDARY SCHOOL  
ADDITIONAL MATHEMATICS  
SECONDARY 3 G2 2025**

<b>Mathematics Curriculum</b>		<b>Key Programmes</b>
In line with the requirements of the A Mathematics Syllabus, the teaching of A Math at YSS focuses on developing thinking, reasoning and problem-solving skills using Math Modelling, making conjectures, investigations and making connections among mathematical concepts.		
<b>Term 1</b>	<b>Chapter</b>	<b>Assessment</b>
Week 0 (1 Jan Wed-New Year day)	Back to School Programme	
Week 1	1.1 Quadratic functions of the form $y = a(x - p)(x - q)$	
Week 2	1.2 Quadratic functions of the form $y = a(x - h) + k$	
Week 3	1.3 Conditions for quadratic curve to lie complete above or below x-axis	
Week 4 ( 28 Jan – CNY celebration, 29-30 Jan Wed-Thu – CNY)	1.4 Quadratic functions in real-world contexts 2.1 Solving quadratic equations by completing the square	
Week 5	2.2 Solving quadratic equations using Quadratic Formula	
Week 6	2.3 Solving linear and non-linear simultaneous equations	
Week 7	2.4 Solving quadratic inequalities	
Week 8	3.1 Surds	
Week 9 (Fri - no lesson)	3.2 Simplifying expressions involving surds	<b>WA1:</b>
Week 10 (Fri - no lesson)	3.3 Solving equations involving surds.	
<b>March Holiday Assignment (Revision Worksheet Chapter 1 to 3)</b>		
<b>Term 2</b>	<b>Chapter</b>	<b>Assessment</b>
Week 1	4.1 Polynomials	
Week 2 (31 Mar Mon– Hari Raya Puasa)	4.2 Remainder and Factor Theorem	
Week 3	4.3 Cubic expressions, equations and identities	
Week 4 (18 Apr Fri – Good Fri)	4.4 Partial Fractions	
Week 5	4.4 Partial Fractions 7.1 Mid-point of Line Segment (SLS)	
Week 6 (1 May Thu - Labour Day) (HBL-Fri)	7.2 Parallel and perpendicular lines 7.3 Equation of straight line	

Week 7 (HBL - Fri)	7.2 Parallel and perpendicular lines 7.3 Equation of straight line	
Week 8 (12 May Mon – Vesak Day)	<b>Revision for WA2</b>	
Week 9	7.4 Areas of Rectilinear figures	WA2
Week 10	7.5 Equations of Circles	
<b>June Holiday Assignment (Revision worksheet Chapter 4 and 7)</b>		
<b>Term 3</b>	<b>Chapter</b>	<b>Assessment</b>
Week 1	9.1 Trigonometric Ratios of acute angles and special angles	
Week 2 (7 Jul Mon – Youth Day)	9.2 Trigonometric Ratios of general angles	
Week 3 (National Oral Exam - HBL Tue - Thu)	9.3 Trigonometric functions and graphs	
Week 4	10.1 Trigonometric equations	
Week 5	10.2 Trigonometric Identities	
Week 6 (8 Aug Fri – National Day celebrations)	10.3 Addition Formulae	
Week 7 (11 Aug Mon – School Holiday)	10.4 Double Angle Formulae	
Week 8	10.5 Proving of Identities	
Week 9 and 10 (4 Sep Thu - Teachers' Day celeb) (5 Sep Fri -Teachers' Day Celebration)	10.6 R-formula	WA3
<b>September Holiday Assignment (2024 EOY Paper)</b>		
<b>Term 4</b>	<b>Chapter</b>	<b>Assessment</b>
Week 1	<b>Revision</b>	
Week 2	<b>Revision</b>	
Week 3 – 4	<b>End-of-Year Examination</b>	
Week 5	<b>Script Checking and Review of Exam Paper</b>	
Week 6	<b>Post-Exam Programmes</b>	