

**YISHUN SECONDARY SCHOOL  
ADDITIONAL MATHEMATICS  
SECONDARY 3 G2 2024**

<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 1 (1 <sup>st</sup> Jan Mon-New Year day)	<b>Back to School Programme</b>	
Week 2	1.1 Quadratic functions of the form $y = a(x - p)(x - q)$	
Week 3	1.2 Quadratic functions of the form $y = a(x - h) + k$	
Week 4	1.3 Conditions for quadratic curve to lie complete above or below x-axis	
Week 5	1.4 Quadratic functions in real-world contexts 2.1 Solving quadratic equations by completing the square	
Week 6	2.2 Solving quadratic equations using Quadratic Formula	
Week 7 (12 <sup>th</sup> -13 <sup>th</sup> Feb Mon Tue – CNY)	2.3 Solving linear and non-linear simultaneous equations	
Week 8	2.4 Solving quadratic inequalities	
Week 9	Revision for WA1 3.1 Surds	
Week 10	3.2 Simplifying expressions involving surds 3.3 Solving equations involving surds.	<b>WA1: Chapter 1 – 2 Curriculum Time</b>
<b>March Holiday Assignment (Revision Worksheet Chapter 1 to 3)</b>		

Term 2	Chapter	Assessment
Week 1	4.1 Polynomials	
Week 2 (Good Friday)	4.2 Remainder and Factor Theorem	
Week 3	4.3 Cubic expressions, equations and identities	
Week 4 (Wed: Hari Raya Puasa)	4.4 Partial Fractions	
Week 5	<b>Student Learning Fest</b>	
Week 6	4.4 Partial Fractions 7.1 Mid-point of Line Segment (SLS)	
Week 7 (Wed: Labour Day)	7.2 Parallel and perpendicular lines 7.3 Equation of straight line	
Week 8	<b>Revision for WA2</b>	
Week 9	7.4 Areas of Rectilinear figures	<b>Week 9 Curriculum Time WA2 – Chapter 3 – 4</b>
Week 10 (Wed: Vesak Day)	7.5 Equations of Circles	
<b>June Holiday Assignment (Revision worksheet 4 and 7)</b>		

Term 3	Chapter	Assessment
Week 1	9.1 Trigonometric Ratios of acute angles and special angles	
Week 2 (Mon: Youth Day)	9.2 Trigonometric Ratios of general angles	
Week 3	9.3 Trigonometric functions and graphs	
Week 4	10.1 Trigonometric equations	
Week 5	<b>HBL due to National Oral Examination</b> 10.2 Trigonometric Identities	
Week 6	10.3 Addition Formulae	
Week 7 (Fri: National Day)	10.4 Double Angle Formulae	
Week 8	10.5 Proving of Identities	
Week 9	Revision for WA3	<b>Week 9 Curriculum Time WA3 – Chapter 7, 9, 10.1 and 10.2</b>
Week 10 (Thurs - Fri: Teachers' Day)	10.6 R-formula	

**September Holiday Assignment (2023 EOY Paper)**

<b>Term 4</b>	<b>Chapter</b>	<b>Assessment</b>
Week 1	Revision	
Week 2	Revision	
Week 3-5	<b>End-of-Year Examination</b>	
Week 6	<b>Script Checking and Review of Exam Paper</b>	
Week 7	<b>Post-Exam Programmes</b>	