YISHUN SECONDARY SCHOOL
MATHEMATICS
SECONDARY 2 G3 2026

Mathematics Curriculum	Key Programmes
In line with the requirements of the Mathematics Syllabus, teaching of Math at YSS focuses on developing thinking, reasoning and problem-solving skills using Math Modelling, investigations and making connections among mathematical concepts.	

Term 1	Chapter	Assessment
Week 0 - 1 (1 Jan, Thu-New Year day)	Back to School Programme (2 Jan to 6 Jan)	
Week 1 - 2	Edutool kit activity	
Week 2	1.1: Equations of Straight Lines 1.2: Graphs of Linear Equations in the form, $ax + by = k$ 1.3: Solving Simultaneous Linear Equations using Graphical Method	
Week 3	1.4: Solving Simultaneous Linear Equations using Algebraic Methods (Elimination & Substitution) 1.5: Applications of Simultaneous Equations in Real-world Contexts	
Week 4	Revision for WA1	**WA1**
Week 5	2.1: Simple Inequalities 2.2: Solving Simple Linear Inequalities 2.3: Solving Problems involving Linear Inequalities	
Week 6	3.1: Addition and Subtraction of Quadratic Expressions 3.2: Expansion of Algebraic Expressions of the form, $(a + b)(c + d)$ 3.3: Expansion of Quadratic Expressions	
Week 7 (16 Feb, Mon – School Celebration, 17 Feb, Tue – 18 Feb, Wed CNY)	3.4: Factorisation of Quadratic Expressions 3.5: Factorisation of Algebraic Expressions into the form, $(a + b)(c + d)$	
Week 8 (27 Feb, Fri – HBL Sec 3 Oral)	4.1: Expansion using Special Algebraic Identities 4.2: Factorisation using Special Algebraic Identities	

Week 9 (6 Mar, Fri – HBL Sec 3 Oral)	5.1: Solving Quadratic Equations by Factorisation	
	5.2: Quadratic Functions and Graphs	
Week 10	6.1: Algebraic Fractions	
	6.2: Multiplication and Division of Algebraic Fractions	
	6.3: Addition and Subtraction of Algebraic Fractions	
March Holiday		

Term 2	Chapter	Assessment
Week 1 (23 Mar, Mon – Hari Raya Puasa School Hol)	6.4: Solving Equations involving Algebraic Fractions	
	6.5: Manipulation of Algebraic Formulae	
Week 2 (3 Apr, Fri – Good Friday)	8.1: Congruent Figures	
	8.2: Similar Figures	
Week 3	8.3: Similarity & Enlargement	
	9.1: Pythagoras' Theorem	
Week 4 (HBL – Fri Sec 4 Oral)	9.2: Applications of Pythagoras' Theorem in Real-world Contexts	
	9.3: Converse of Pythagoras' Theorem	
Week 5 (HBL – Fri Sec 4 Oral)	10.1: Trigonometric Ratios	
Week 6 (1 May Fri - Labour Day)	10.2: Applications of Trigonometric Ratios (Unknown Sides of Right-angled Triangles)	
Week 7	**Student Learning Festival**	
Week 8	Revision for WA2	
Week 9 (22 May - Cross Country)	10.3: Applications of Trigonometric Ratios (Unknown Angles in Right-angled Triangles)	**WA2**
Week 10 (27 May, Wed – Hari Raya Haji)	10.4: Applications of Trigonometric Ratios in Real-world Contexts	
June Holiday Assignment: SLS - Chp 13 (whole chapter)		

Term 3	Chapter	Assessment
Week 1	Review Chpt 13 (holiday HW)	
	14.1 Mean 14.2 Median	
Week 2 (6 Jul Mon – Youth Day)	14.3 Mode	
	14.4 Measures of Central Tendency	
Week 3 (National Oral Exam: Tue – Thu) HBL 14 - 16 Jul	**HBL due to National Oral Examination (14 to 16 July)** 11.1: Volume and Surface Area of Pyramids	
Week 4	11.2: Volume and Surface Area of Cones	
Week 5	11.3: Volume and Surface Area of Spheres	
	11.4: Volume and Surface Area of Composite Solids	
Week 6 (7 Aug, Fri – National Day School Celebration)	7.1: Direct Proportion 7.2: Algebraic and Graphical Representations of Direct Proportion	
Week 7 (10 Aug, Mon – National Day School Holiday)	Revision for WA3	
Week 8	7.3: Other Forms of Direct Proportion	**WA3**
	7.6: Other Forms of Inverse Proportion	
Week 9	7.4: Inverse Proportion 7.5 Algebraic and Graphical Representation on Inverse Proportion	
Week 10 ((3 Sep Thu - Teachers' Day celeb) (4 Sep Fri - Teachers' Day Celebration)	12.1: Probability Experiment and Sample Space 12.2: Probability of Single Events	
September Holiday		
Term 4	Chapter	Assessment
Week 1	12.3: Further Examples of Probability of Single Events 12.4: Experimental Approach to Finding Probability	
	Revision	

Week 2	**Revision**
Week 3 – 4	**End of Year Examination**
Week 5	**Script Checking and Review of Exam Papers**
Week 6	**Post-Exam Programmes**