YISHUN SECONDARY SCHOOL
MATHEMATICS
SECONDARY 2 G3 2025

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 Jan Wed-New Year day)	**Back to School Programme**	
Week 1	Edutool kit activity	
	1.1: Equations of Straight Lines	
Week 2	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 (28 Jan – CNY celebration, 29 - 30 Jan, Wed & Thu – CNY)	Revision for WA1	
Week 5	2.1: Simple Inequalities 2.2: Solving Simple Linear Inequalities 2.3: Solving Problems involving Linear Inequalities	**WA1**
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	3.4: Factorisation of Quadratic Expressions 3.5: Factorisation of Algebraic Expressions into the form, (a + b)(c + d)	
Week 8	4.1: Expansion using Special Algebraic Identities 4.2: Factorisation using Special Algebraic Identities	

Week 9 (Fri – HBL)	5.1: Solving Quadratic Equations by Factorisation 5.2: Quadratic Functions and Graphs	
Week 10 (Fri – HBL)	6.1: Algebraic Fractions 6.2: Multiplication and Division of Algebraic Fractions 6.3: Addition and Subtraction of Algebraic Fractions	
March Holiday Assignment (SLS - Chp 6.2 and 6.3)		

Term 2	**Chapter**	**Assessment**
Week 1	6.4: Solving Equations involving Algebraic Fractions	
	6.5: Manipulation of Algebraic Formulae	
Week 2 (31 Mar Mon – Hari Raya Puasa)	8.1: Congruent Figures	
	8.2: Similar Figures	
Week 3	8.3: Similarity & Enlargement	
	9.1: Pythagoras' Theorem	
Week 4 (18 Apr Fri – Good Fri)	9.2: Applications of Pythagoras' Theorem in Real-world Contexts	
	9.3: Converse of Pythagoras' Theorem	
Week 5	10.1: Trigonometric Ratios	
Week 6 (1 May Thu –Labour Day) (Fri – HBL)	10.2: Applications of Trigonometric Ratios (Unknown Sides of Right-angled Triangles)	
Week 7 (HBL - Fri)	Revision for WA2	
Week 8 (12 May Mon – Vesak Day)	**Student Learning Festival**	
Week 9	10.3: Applications of Trigonometric Ratios (Unknown Angles in Right-angled Triangles)	**WA2**
Week 10	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 (7 Jul Mon – Youth Day)	14.3 Mode	
	14.4 Measures of Central Tendency	
Week 3	**HBL due to National Oral Examination (15 to 17 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 (8 Aug Fri – National Day Celebrations)	7.1: Direct Proportion 7.2: Algebraic and Graphical Representations of Direct Proportion	
Week 7 (11 Aug Mon – 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 (29 Aug Thu - Teachers' Day celeb) (30 Aug Fri -Teachers' Day Celebration)	12.1: Probability Experiment and Sample Space 12.2: Probability of Single Events	
September Holiday Assignment		
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**	