YISHUN SECONDARY SCHOOL
MATHEMATICS
SECONDARY 2 G2 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 (New Year's Day – Wednesday)	Back to school Programme (Thursday to Friday)	
Week 1 and 2	1.1 Linear Expressions with Fractional Coefficients 1.2 Linear Equations with Fractional Coefficients and Fractional Equations	
Week 3	1.3 Simple Inequalities 1.4 Solving Simple Linear Inequalities	
Week 4 (Chinese New Year celebrations and holiday; Tuesday - Thursday)	2.1: Cartesian Coordinates	
Week 5	2.2 Functions 2.3 Linear Functions	**WA1**
Week 6	2.3 Linear Functions 2.4 Application of Linear Graphs in Real-world Contexts	
Week 7	3.1 Graphs of Linear Equations in the form $ax + by = k$ 3.2 Solving Simultaneous Linear Equations using Graphical Methods	
Week 8	3.3 Solving Linear Equation by Elimination Method 3.4 Solving Linear Equation by Substitution Method 3.5 Application of Simultaneous Equation in Real-world Contexts	
Week 9	4.1 Addition and Subtraction of Quadratic Expressions 4.2 Expansion of Algebraic Expressions of the form $(a + b)(c + d)$ 4.3 Expansion of Quadratic Expressions	
Week 10	4.4: Factorisation of Linear Expressions 4.5: Factorisation of Quadratic Expressions	
March Holiday Assignment		
Term 2	**Chapter**	**Assessment**
Week 1	5.1: Expansion using Special Algebraic Identities 5.2: Factorisation using Special Algebraic Identities	
Week 2 Hari Raya Aidilfitri*TBC	6.1: Algebraic Fractions 6.2: Multiplication and Division of Algebraic Fractions	
Week 3	7.1: Direct Proportion 7.2: Algebraic and Graphical Representation of Direct Proportion	
Week 4	7.3: Other Forms of Direct Proportion	

Good Friday	7.4: Inverse Proportion	
Week 5	7.5: Algebraic and Graphical Representation on Inverse Proportion 7.6: Other Forms of Inverse Proportions	
Week 6 Labour Day - Thursday	8.1: Quadrilaterals 8.2: Geometrical Constructions of Triangles and Quadrilaterals	
Week 7	8.3: Polygons	
Week 8 Vesak Day - Monday	**Student Learning Festival**	
Week 9	9.1: Congruent Figures 9.2: Similar Figures	**WA2**
Week 10	9.3: Similarity and Map Scales	
June Holiday Assignment		
Term 3	**Chapter**	**Assessment**
Week 1	10.1: Pythagoras' Theorem	
Week 2 (1 Jul Mon – Youth Day)	10.2: Application of Pythagoras' Theorem in Real-World Contexts 10.3: Converse of Pythagoras' Theorem	
Week 3 HBL Tue to Thu	**HBL due to National Oral Examination** 11.1: Volume and Surface Area of Pyramids 11.2: Volume and Surface Area of Cone	
Week 4	11.3: Volume and Surface Area of Spheres 11.4: Volume and Surface Area of Composite Solids	
Week 5	11.4: Volume and Surface Area of Composite Solids	
Week 6 (National Day Celebration – Friday)	12.1: Probability Experiment and Sample Space 12.2: Probability of Single Events 12.3: Further Examples of Probability of Single Event	
Week 7 National Day holiday – Monday	12.4: Experimental Approach to Finding Probability	
Week 8	13.1: Dot Diagrams 13.2: Histograms for Ungrouped Data 13.3: Stem-and-leaf Diagrams 13.4: Histograms for Grouped Data	**WA3**
Week 9	14.1: Mean 14.2: Median 14.3: Mode	
Week 10 (Teachers' Day Celebration-Thu Teachers' Day-Fri)	14.4: Measure of Central Tendency	
September Holiday Assignment		
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 Papers**	
Week 6 (20 Oct Mon – Deepavali)	**Post-Exam Programmes**	