YISHUN SECONDARY SCHOOL
MATHEMATICS
SECONDARY 2 NORMAL ACADEMIC 2023

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 1 (New Year's Day – Mon)	Back to school Programme (Tues to Thurs)	
Week 1 and 2	1.1 Linear Expressions with Fractional Coefficients 1.2 Linear Equations with Fractional Coefficients and Fractional Equations	
Week 3 (HBL – Fri)	1.3 Simple Inequalities 1.4 Solving Simple Linear Inequalities	
Week 4 (CNY – Mon, Tues)	2.1: Cartesian Coordinates	
Week 5 (HBL – Fri)	2.2 Functions 2.3 Linear Functions	
Week 6	2.3 Linear Functions 2.4 Application of Linear Graphs in Real-world Contexts	
Week 7 (HBL – Fri)	3.1 Graphs of Linear Equations in the form $ax + by = k$ 3.2 Solving Simultaneous Linear Equations using Graphical Methods	T1W7 - WA1 (Chapters 1 to 2)
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 (HBL – Fri)	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 (HBL – Fri)	6.1: Algebraic Fractions 6.2: Multiplication and Division of Algebraic Fractions	
Week 3 (Good Fri)	7.1: Direct Proportion 7.2: Algebraic and Graphical Representation of Direct Proportion	
Week 4 (HBL – Fri)	7.3: Other Forms of Direct Proportion	
Week 5	7.4: Inverse Proportion 7.5: Algebraic and Graphical Representation on Inverse Proportion 7.6: Other Forms of Inverse Proportions	

Week 6 (Hari Raya Puasa School Holiday – Mon, HBL – Fri)	YSS Students Learning Festival	
Week 7	8.1: Quadrilaterals 8.2: Geometrical Constructions of Triangles and Quadrilaterals	
Week 8 (Cross Cty – Friday) (HBL – Fri)	8.3: Polygons	
Week 9	9.1: Congruent Figures 9.2: Similar Figures	T2W9 – WA2 (Chapters 3 to 7)
Week 10 (HBL – Fri)	9.3: Similarity and Map Scales	
	June Holiday Assignment 12.1 - 12.7	
Term 3	**Chapter**	**Assessment**
Week 1 (Hari Raya Haji – Thurs)	10.1: Pythagoras' Theorem	
Week 2 (Youth Day School Holiday – Mon)	10.2: Application of Pythagoras' Theorem in Real-World Contexts 10.3: Converse of Pythagoras' Theorem	
Week 3	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 (25 to 27 Jul – HBL)	11.4: Volume and Surface Area of Composite Solids	
Week 6	12.1: Probability Experiment and Sample Space 12.2: Probability of Single Events 12.3: Further Examples of Probability of Single Event	T3W6 – WA3 (Chapter 5 to 10)
Week 7 (National Day Celebration – Tues, National Day – Wed, School Holiday – Thurs)	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	
Week 9	14.1: Mean 14.2: Median 14.3: Mode	
Week 10 (Teachers' Day Celebration-Thurs, Teachers' Day-Fri)	14.4: Measure of Central Tendency	
	September Holiday Assignment	
Term 4	**Chapter**	**Assessment**
Week 1	**Revision**	
Week 2	**Revision**	
Week 3	**Revision** **End-of-Year Exam (25 & 26 Sep)**	
Week 4 -5	**End-of-Year Examination (2 to 9 Oct)**	
Week 6	**Script Checking and Review of Exam Papers**	
Week 7	**Post-Exam Programmes**	