YISHUN SECONDARY SCHOOL
MATHEMATICS
SECONDARY 2 G2 2024

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	1.3 Simple Inequalities 1.4 Solving Simple Linear Inequalities	
Week 4	2.1: Cartesian Coordinates	
Week 5	2.2 Functions 2.3 Linear Functions	T1W5 - WA1 Chapter 1 Sec 1 topic Percentage, Numbers, Estimation and approximation
Week 6	2.3 Linear Functions 2.4 Application of Linear Graphs in Real-world Contexts	
Week 7 (CNY – Mon, Tues)	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	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	7.3: Other Forms of Direct Proportion	
Week 5	**YSS Students Learning Fest**	

Week 6	7.4: Inverse Proportion 7.5: Algebraic and Graphical Representation on Inverse Proportion 7.6: Other Forms of Inverse Proportions	
Week 7	8.1: Quadrilaterals 8.2: Geometrical Constructions of Triangles and Quadrilaterals	
Week 8	8.3: Polygons	
Week 9 (Cross Cty – Friday)	9.1: Congruent Figures 9.2: Similar Figures	T2W9 – WA2 Chp 2 - **6**
Week 10 (22nd May Wed – Vesak Day)	9.3: Similarity and Map Scales	
June Holiday Assignment		
Term 3	**Chapter**	**Assessment**
Week 1	10.1: Pythagoras' Theorem	
Week 2 (1st Jul Mon – Youth Day)	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)	**HBL due to National Oral Examination** 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	
Week 7 (National Day Celebration – Thurs, National Day – Fri)	12.4: Experimental Approach to Finding Probability	T3W7 – WA3 Chp 5 -10
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 to 27 Sep)**	
Week 3 -5	**End-of-Year Examination (30 Sep to 7 Oct)**	
Week 6	**Script Checking and Review of Exam Papers**	
Week 7	**Post-Exam Programmes**	