YISHUN SECONDARY SCHOOL MATHEMATICS SECONDARY 2 NORMAL ACADEMIC 2023

Mathematics Curriculum	Key Programmes			
In line with the requiremen				
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	Back to school Programme (Tues to Thurs)			
(New Year's Day – Mon)				
	1.1 Linear Expressions with Fractional Coefficients			
Week 1 and 2	1.2 Linear Equations with Fractional Coefficients and			
TOOK TONGE	Fractional Equations			
	1.3 Simple Inequalities			
Week 3 (HBL – Fri)	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			
	3.1 Graphs of Linear Equations in the form	T1W7 - WA1		
Week 7 (HBL – Fri)	ax + by = k	(Chapters 1 to 2)		
, ,	3.2 Solving Simultaneous Linear Equations using	,		
	Graphical Methods			
	3.3 Solving Linear Equation by Elimination Method			
Week 8	3.4 Solving Linear Equation by Substitution Method			
Week o	3.5 Application of Simultaneous Equation in			
	Real-world Contexts			
	4.1 Addition and Subtraction of Quadratic			
)	Expressions			
Week 9 (HBL – Fri)	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			
	7.1: Direct Proportion			
Week 3 (Good Fri)	7.2: Algebraic and Graphical Representation of			
	Direct Proportion			
Week 4 (HBL – Fri)	7.3: Other Forms of Direct Proportion			
	7.4: Inverse Proportion			
	7.5: Algebraic and Graphical Representation on			
Week 5	Inverse Proportion			
	7.6: Other Forms of Inverse Proportions			

S.1: Quadrilaterals S.2: Geometrical Constructions of Triangles and Quadrilaterals S.2: Geometrical Constructions of Triangles and Quadrilaterals S.2: Geometrical Constructions of Triangles and Quadrilaterals S.3: Polygons	Week 6 (Hari Raya Puasa School Holiday – Mon, HBL – Fri)	YSS Students Learning Festival		
Cross Cty - Friday (HBL - Fri) 9.1: Congruent Figures 9.2: Similar Figures 9.2: Massesment 9.2: Application of Pythagoras' Theorem 9.2: Application of Pythagoras' Theorem	,	8.2: Geometrical Constructions of Triangles and		
Week 9 9.2: Similar Figures 9.3: Similar Figures 9.3: Similarity and Map Scales	(Cross Cty – Friday)			
Term 3		9.2: Similar Figures		
Term 3	Week 10 (HBL – Fri)	9.3: Similarity and Map Scales		
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 11.1: Volume and Surface Area of Pytamids 11.2: Volume and Surface Area of Cone 11.3: Volume and Surface Area of Spheres 11.4: Volume and Surface Area of Composite Solids 11.4: Volume and Surface Area of Composite Solids Week 5 (25 to 27 Jul – HBL) 12.1: Probability Experiment and Sample Space 12.2: Probability of Single Events 12.2: Probability of Single Events (Chapter 5 to 10) Week 6 12.1: Probability Experiment and Sample Space 12.2: Probability of Single Events 12.3: Turther Examples of Probability of Single Events (Chapter 5 to 10) Week 7 (National Day Celebration – Tues, National Day – Wed, School Holiday – Thurs) 13.1: Dot Diagrams 13.2: Histograms for Ungrouped Data 13.3: Stem-and-leaf Diagrams 13.2: Histograms for Grouped Data 13.3: Stem-and-leaf Diagrams 13.4: Histograms for Grouped Data 14.1: Mean 14.2: Median 14.2: Median 14.3: Mode 14.4: Measure of Central Tendency Week 9 14.4: Measure of Central Tendency September Holiday Assignment Term 4 Chapter Revision Assessment Week 1 Revision Revision Week 3 End-of-Year Examination (2 to		June Holiday Assignment 12.1 - 12.7		
Thurs Week 2	Term 3	Chapter	Assessment	
Neek Seal-World Contexts Real-World Contexts	` -	10.1: Pythagoras' Theorem		
Holiday - Mon				
Week 3	, `			
Week 5		11.1: Volume and Surface Area of Pyramids		
Week 5 (25 to 27 Jul – HBL)	Week 4	11.3: Volume and Surface Area of Spheres		
12.1: Probability Experiment and Sample Space 12.2: Probability of Single Events 12.3: Further Examples of Probability of Single Event 12.4: Experimental Approach to Finding Probability (Chapter 5 to 10)	Week 5			
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Week 6 Script Checking and Review of Exam Papers	Week 3			
·	Week 4 -5	End-of-Year Examination (2 to 9 Oct)		
Week 7 Post-Exam Programmes	Week 6			
	Week 7	Post-Exam Programmes		