

**YISHUN SECONDARY SCHOOL  
MATHEMATICS  
SECONDARY 1 EXPRESS 2023**

<b>Mathematics Curriculum</b>		<b>Key Programmes</b>
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.		
<b>Term 1</b>	<b>Chapter</b>	<b>Assessment</b>
Week 1 (New Year's Day – Mon)	Back to School Programme	
Week 2	1.1 Prime Numbers 1.2 Square Roots and Cube Roots 1.3 HCF and LCM	
Week 3 (HBL – Fri)	2.1 Negative Numbers 2.2 Addition and Subtraction of negative numbers 2.3 Multiplication and Division involving negative numbers	
Week 4 (CNY – Mon, Tue)	2.4 Fractions 2.5 Decimals 2.6 Rational and Real Numbers	
Week 5 (HBL – Fri)	3.1 Rounding and Significant Figures 3.2 Approximation	
Week 6	3.3 Estimation 4.1 Basic algebraic concepts and notations	
Week 7 (HBL – Fri)	4.2 Addition and subtraction of linear terms	
Week 8	4.3 Expansion and factorisation of linear expressions	
	<b>Revision for WA1</b>	
Week 9 (HBL – Fri)	4.4 Linear expressions with fractional coefficients	<b>T1W9 - WA1 (Chapter 1 to 4.2)</b>
Week 10	5.1 Linear Equations	
<b>March Holiday Assignment: SLS</b>		
<b>Term 2</b>	<b>Chapter</b>	<b>Assessment</b>
Week 1	5.2 Linear equations with fractional coefficients and fractional equations	
Week 2 (HBL – Fri)	5.3 Applications of Linear equations in real-world contexts	

Week 3 (Good Fri)	5.4 Mathematical formulae 7.1 Number sequences 7.2 Number sequences and patterns	<b>T2W3 – WA2</b> (Chapter 4.3, 4.4, 5.1 to 5.2)
Week 4 (HBL – Fri)	8.1 Percentage	
Week 5	8.2 Percentage change, percentage point and reverse percentage 8.3 Percentage in real-world contexts	
Week 6 (Hari Raya Puasa off in lieu Mon) (HBL – Fri)	<b>Student Learning Festival</b>	
Week 7 (Labour Day – Mon)	9.1 Ratio	
Week 8 (HBL – Fri)	9.2 Rate	
Week 9 (Vesak Day off in lieu Mon)	9.2 Rate 9.3 Speed	
Week 10	Mid Year Activities	
<b>June Holiday Assignment: 14.1-14.5</b>		
<b>Term 3</b>	<b>Chapter</b>	<b>Assessment</b>
Week 1 (Hari Raya Haji - Thu)	9.3 Speed 10.1 Basic geometrical concepts and notations  Project Presentation	
Week 2 (Youth Day School Holiday – Mon)	10.2 Properties of angles formed by intersecting lines 10.3 Properties of angles formed by two parallel lines and a transversal	
Week 3	11.1 Triangles 11.2 Quadrilaterals	
Week 4	11.3 Geometrical constructions of triangles and quadrilaterals 11.4 Polygons	<b>T3W4 – WA3</b> (Chapter 7, 8, 9, 10)
Week 5 (HBL: Tue – Thur)	14.6 Evaluation of Statistical representations, 14.7 Statistical investigation <b>Revision for WA3</b>	
Week 6	6.1 Cartesian Coordinates, 6.2 Functions	
Week 7 (National Day – Wed, School Holiday – Thu)	6.3 Linear Functions 6.4 Applications of linear graphs in real-world contexts	
Week 8	12.1 Conversion of units 12.2 Perimeter and area of basic plane figures	

Week 9	12.3 Perimeter and area of parallelograms, 12.4 Perimeter and area of trapeziums	
Week 10 (Teachers' Day Celebration-Thu, Teachers' Day-Fri)	13.1 Conversion of units 13.2 Three-dimensional solids 13.3 Volume and Surface area of cubes and cuboids	
<b>September Holiday Assignment: PRWC</b>		
<b>Term 4</b>	<b>Chapter</b>	<b>Assessment</b>
Week 1	13.4 Volume and Surface area of prisms 13.5 Volume and Surface area of cylinders	
Week 2	13.6 Volume and Surface area of composite solids  <b>Revision</b>	
Week 3	<b>Revision</b> <b>End-of-Year Exam (25 to 26 Sep)</b>	
Week 4 - 5	<b>End-of-Year Examination (2 to 9 Oct)</b>	
Week 6	<b>Script Checking (12 to 17 Oct) and Review of Exam Papers</b>	
Week 7	<b>Post-Exam Programmes</b>	