

**YISHUN SECONDARY SCHOOL
MATHEMATICS
SECONDARY 3 G2 2025**

Mathematics Curriculum		Key Programmes
In line with the requirements of the Mathematics (NA) Syllabus, the teaching of Math at YSS focuses on developing thinking, reasoning and problem-solving skills using Math Modelling, making conjectures, investigations and making connections among mathematical concepts.		
Term 1	Chapter	Assessment
Week 0 (1 Jan, Wed-New Year day)	Back to School Program	
Week 1	1.1 Expansion of Algebraic Expressions (<i>Recap</i>) 1.2 Factorisation by algebraic expressions into form $(a+b)(c+d)$	
Week 2	1.3 Addition and Subtraction of Algebraic Fractions	
Week 3	1.4 Solving equations involving algebraic fractions	
Week 4 (28 Jan – CNY celebration, 29 – 30 Jan, Wed Thur - CNY)	1.5 Manipulation of Algebraic Formulae	
Week 5	2.1 Solving Quadratic Equations by Factorisation	
Week 6	2.2 Solving Quadratic Equations by Completing the Square	
Week 7	2.3 Solving Quadratic Equations using Formula WA1 Revision	
Week 8	2.4 Solving Fractional Equations that can be reduced to Quadratic Equations	WA1
Week 9 (Fri - no lesson)	2.5 Solving quadratic by graphical method	
Week 10 (Fri - no lesson)	2.6 Applications of quadratic equations in mathematical problems, real world contexts	
March Holiday Assignment		

Term 2	Chapter	Assessment
Week 1	3.1 Indices 3.2 Laws of Indices	

Week 2 (31 Mar, Mon – Hari Raya Puasa)	3.3 Zero and Negative Indices 3.4 Rational indices	
Week 3	3.5 Compound Interest	
Week 4 (18 Apr, Fri – Good Friday)	3.6 Standard Form WA2 Revision	
Week 5	4.1 Length of a Line Segment	WA2
Week 6 (1 May, Thur - Labour Day) HBL Fri	4.2 Gradient of a Straight Line 4.3 Equation of a Straight Line	
Week 7 HBL Fri	5.1 Graphs of Cubic Functions 5.2 Graphs of Reciprocal Functions	
Week 8 (12 May Mon – Vesak Day)	Sec 3 Camp Student Learning Festival	
Week 9	5.3 Graphs of Exponential Functions	
Week 10	5.4 Gradient of a Curve	
June Holiday Assignment		

Term 3	Chapter	Assessment
Week 1	5.5 Applications of Graphs in Real-World Contexts	
Week 2 (7 Jul, Mon – Youth Day)	6.1 Trigonometric Ratios 6.2 Applications of Trigonometric Ratios to Find Unknown Sides of Right-Angled Triangles	
Week 3 HBL Tue to Thu	HBL due to National Oral Examination (6.2 Applications of Trigonometric Ratios to Find Unknown Sides of Right-Angled Triangles - HBL)	
Week 4	6.3 Applications of Trigonometric Ratios to Find Unknown Angles in Right-Angled Triangles	
Week 5	6.4 Applications of Trigonometric Ratios in Real-World Contexts	
Week 6	7.1 Sine and Cosine of Obtuse Angles WA3 Revision	
Week 7 (11 Aug, Mon – National Day school holiday)	7.2 Area of Triangles 7.3 Sine Rule	WA3

Week 8	7.4 Cosine Rule 8.1 Enlargement and Reduction of a Plane Figure	
Week 9	8.2 Scale Drawings 8.3 Solving Simple Problems involving Congruence and Similarity	
Week 10 (4 Sep, Thu - Teachers' Day celeb) (5 Sep, Fri - Teachers' Day Holiday)	8.3 Solving Simple Problems involving Congruence and Similarity	
September Holiday Assignment		
Term 4	Chapter	Assessment
Week 1	Revision	
Week 2	Revision	
Week 3-4	End-of-Year Exam	
Week 5	Script Check and Review of Exam Papers	
Week 6 (20 Oct, Mon – Deepavali)	Post-Exam Programmes	