

**YISHUN SECONDARY SCHOOL
MATHEMATICS
SECONDARY 3 G2 2024**

Mathematics Curriculum		Key Programmes
In line with the requirements of the Mathematics 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 1 (1 st Jan Mon-New Year day)	Back to School Programme	
Week 2	1.1 Further Expansion and Simplification of Algebraic Expressions 1.2 Factorisation by Grouping	
Week 3	1.3 Addition and Subtraction of Algebraic Fractions 1.4 Manipulation of Algebraic Formulae	
Week 4	2.1 Solving Quadratic Equations by Factorisation 2.2 Solving Quadratic Equations by Completing the Square	
Week 5	2.3 Solving Quadratic Equations by using Formula 2.4 Solving Fractional Equations that can be reduced to Quadratic Equations	
Week 6	2.5 Solving quadratic by graphical method 2.6 Applications of quadratic equations in mathematical problems, real world contexts	
Week 7 (12 th -13 th Feb Mon Tue – CNY)	WA1 Revision	
Week 8	3.1 Indices 3.2 Laws of Indices	WA1 - Chapter 1 and 2 lower sec topics (numbers, approximation and estimation)
Week 9	3.3 Zero and Negative Indices 3.4 Rational indices	
Week 10	3.5 Compound Interest 3.6 Standard Form	
March Holiday Assignment		

Term 2	Chapter	Assessment
Week 1	4.1 Gradient of a Straight Line	
Week 2 (29 th Mar Fri – Good Fri)	4.2 Length of a Line Segment 4.3 Equation of a Straight Line	
Week 3	5.1 Graphs of Cubic Functions	
Week 4 (10 th Apr Wed – Hari Raya Puasa)	WA2 Revision	
Week 5	Student Learning Fest	WA2 (Monday) - Sec 3 Topics Chapter 1 - 3 - Lower sec topics Numbers and approximation
Week 6	5.2 Graphs of Reciprocal Functions	
Week 7 (1 st May Wed - Labour Day)	5.3 Graphs of Exponential Functions	
Week 8	5.4 Gradient of a Curve	TIMED PRACTICE
Week 9	5.5 Applications of Graphs in Real-World Contexts	
Week 10 (22 nd May Wed – Vesak Day)	6.1 Trigonometric Ratios	
June Holiday Assignment		

Term 3	Chapter	Assessment
Week 1	6.2 Applications of Trigonometric Ratios to Find Unknown Sides of Right-Angled Triangles	
Week 2 (1 st Jul Mon – Youth Day)	6.3 Applications of Trigonometric Ratios to Find Unknown Angles in Right-Angled Triangles	
Week 3	6.4 Applications of Trigonometric Ratios in Real-World Contexts	
Week 4	7.1 Sine and Cosine of Obtuse Angles	
Week 5	HBL due to National Oral Examination 7.2 Area of Triangles	

Week 6	WA3 Revision	
Week 7 (9 th Aug Fri – National Day)	7.3 Sine Rule	WA3 - Chapter 3, 5 & 6
Week 8	7.4 Cosine Rule	
Week 9	8.1 Enlargement and Reduction of a Plane Figure	
Week 10 (29 th Aug Thu - Teachers' Day celeb) (30 th Aug Fri -Teachers' Day Celebration)	8.2 Scale Drawings	
September Holiday Assignment		
Term 4	Chapter	Assessment
Week 1	8.3 Solving Simple Problems involving Congruence and Similarity	
Week 2	Revision	
Week 3-5	End-of-Year Examination	
Week 6	Script Check and Review of Exam Papers	
Week 7	Post-Exam Programmes	