

YISHUN SECONDARY SCHOOL
MATHEMATICS
SECONDARY 3 NORMAL ACADEMIC 2023

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)	School programme	
Week 2	1.1 Further Expansion and Simplification of Algebraic Expressions	
Week 3 (HBL – Fri)	1.2 Factorisation by Grouping	
Week 4 (CNY – Mon Tues)	1.3 Addition and Subtraction of Algebraic Fractions	
Week 5 (HBL – Fri)	1.4 Manipulation of Algebraic Formulae	
Week 6	2.1 Solving Quadratic Equations by Factorisation Revision for WA1	
Week 7 (HBL – Fri)	2.2 Solving Quadratic Equations by Completing the Square	
Week 8	2.3 Solving Quadratic Equations by using Formula	T1W8 - WA1 (Chapter 1 to 2.1) Lower sec topics Numbers, Approximation & Estimation, Maps and Scales)
Week 9 (HBL – Fri)	2.4 Solving Fractional Equations that can be reduced to Quadratic Equations	
Week 10	2.5 Solving quadratic by graphical method	
<p style="text-align: center;">March Holiday Assignment</p> <p>Topics: Chapter 1 to 2.5 , Rate ratio and proportion</p>		
Term 2	Chapter	Assessment
Week 1	2.5 Solving Quadratic equation by graphical method	
Week 2 (HBL – Fri)	3.1 Indices 3.2 Laws of Indices	
Week 3 (Good Friday)	3.3 Zero and Negative Indices	

Week 4 (HBL – Fri)	Revision for WA2 : Lower sec topics (Rate Ratio & Proportion, Speed time distance) 3.4 Rational indices	
Week 5	3.5 Standard Form 3.6 Compound Interest	T2W5 – WA2 (Chapter 2.2 to 3.3) Rate, Ratio & Proportion, Speed-time distance
Week 6 Mon holiday lieu of Hari Raya (HBL – Fri)	Student's learning Festival	
Week 7 (Labour Day-Monday)	4.2 Length of a Line Segment 4.1 Gradient of a Straight Line	
Week 8 (HBL – Fri)	4.3 Equation of a Straight Line 5.1 Graphs of Cubic Functions	T2W8 Timed Practice Polygon, Number Sequence and chapter 3
Week 9	5.1 Graphs of Cubic Functions (Contd.)	
Week 10	5.2 Graphs of Reciprocal Functions	
June Holiday Assignment Edited 2019 EOY Paper 1 and 2		
Term 3	Chapter	Assessment
Week 1 (Hari Raya Haji Thursday)	5.3 Graphs of Exponential Functions	
Week 2 (Youth Day School Holiday – Mon)	5.4 Gradient of a Curve	
Week 3	5.5 Applications of Graphs in Real-World Contexts	
Week 4	6.1 Trigonometric Ratios	
Week 5 (HBL 25-27 Jul)	6.2 Applications of Trigonometric Ratios to Find Unknown Sides of Right-Angled Triangles	
Week 6	6.3 Applications of Trigonometric Ratios to Find Unknown Angles in Right-Angled Triangles 6.4 Applications of Trigonometric Ratios in Real-World Contexts	T3W6 – WA3 (Chapter 3.4,3.5,3.6, 4, 5 & 6.1)
Week 7 (National Day – Wed, School Holiday – Thu)	7.1 Sine and Cosine of Obtuse Angles	
Week 8	7.2 Area of Triangles 7.3 Sine Rule	

Week 9	7.4 Cosine Rule	
Week 10 (Teachers' Day Celebration-Thu, Teachers' Day-Fri)	8.1 Enlargement and Reduction of a Plane Figure 8.2 Scale Drawings	T3W10 Timed Practice Chapter 6.2 to 7.1
September Holiday Assignment		
2020 YSS EOY Paper 1		
Term 4	Chapter	Assessment
Week 1	8.3 Solving Simple Problems involving Congruence and Similarity Revision	
Week 2	Revision	
Week 3	Revision End-of-Year Exam (25 to 26 Sep)	
Week 4-5	End-of-Year Examination (2 to 9 Oct)	
Week 6	Script Checking (12 to 17 Oct) and Review of Exam Papers	
Week 7	Post-Exam Programmes	