

YISHUN SECONDARY SCHOOL
MATHEMATICS
SECONDARY 3 NORMAL TECHNICAL 2020

Mathematics Curriculum		Key Programmes
In line with the requirements of the NT Mathematics Syllabus, teaching of NT Math at YSS focuses on problem solving skills using Math Modelling, investigations and making connections among mathematical concepts.		
Term 1	Chapter	Assessment
Week 0	(Revisit) Algebraic multiplication and division	
Week 1	1-1 Index Notation 1-2 Zero Index and Negative Index	
Week 2	1-3 (Revisit) Significant Figures 1-4 Standard Form	
Week 3	1-4 Standard Form	
Week 4 (CNY-Mon, Tue)	2-1 (Revisit) Ratio 2-2 (Revisit) Similar Figures	
Week 5	2-2 (Revisit) Similar Figures	
Week 6	2-3 Distances on Maps 2-4 Areas on Maps	
Week 7	Revision	WA1 Sec 3: Chap 1,2 Sec 2: Congruency and similarity
Week 8	Learning experience on map scale 3-1 (Revisit) Simplification of Linear Equations	Learning experience: Basketball court
Week 9	3-2 Expansion of the Product of Linear Expressions 3-3 Factorisation of Linear Expressions	Algediscs
Week 10	3-4 Factorisation of Quadratic Expressions	Algediscs Math Quiz
March Holiday Assignment		
Term 2	Chapter	Assessment
Week 1	3-4 Factorisation of Quadratic Expressions 3-5 Multiplication and Division of Algebraic Fractions	
Week 2	3-6 Addition and subtraction of Algebraic Fractions	
Week 3 (Good Fri-Fri)	3-6 Addition and subtraction of Algebraic Fractions	
Week 4	3-7 Solving linear equations	
Week 5	3-8 Solving simple fractional equations	
Week 6 (Labour Day-Fri)	3-9 Algebraic Formulae	
Week 7 (Vesak Day-Thurs)	Revision	WA2 Chap 1, 2, 3
Week 8	Revision	

Week 9	4-1 Solving Simultaneous Linear Equations by Elimination	
Week 10 (Hari Raya Puasa-Mon)	4-1 Solving Simultaneous Linear Equations by Elimination	
June Assignment		
Term 3	Chapter	Assessment
Week 1	4-2 Solving Simultaneous Linear Equations by Substitution	
Week 2 (Youth Day, Mon)	4-3 Formulating Simultaneous Linear Equations to Solve Problems	
Week 3	4-4 Solving Quadratic Equations by the Use of Formula	
Week 4	5-1 (Revisit) Graphs of Linear Functions in the Form $y = mx + c$ 5-2 Graphs of Linear Equations in the Form $ax + by = c$	
Week 5 (Hari Raya Haji-Fri)	5-3 Solving Simultaneous Linear Equations by Graphs	
Week 6	5-4 Graphs of Quadratic Functions	
Week 7 (National Day -Mon)	Revision	WA 3
Week 8	Revision 6-1 Surface area and packing	
Week 9	6-1 Surface area and packing 6.2 Tessellation	Real-world context task (Packaging)
Week 10 (Teachers' Day Celebration-Thurs, Teachers' Day-Fri)	6.3 Conversions	
September Holiday Assignment		
Term 4	Chapter	Assessment
Week 1	Revision	
Week 2	Revision Advance Paper	
Week 3 -5	End of Year Examination and Script Checking	
Week 6	Values Week	