

**YISHUN SECONDARY SCHOOL  
MATHEMATICS  
SECONDARY 3 NORMAL TECHNICAL 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 – Monday)	<b>BTS</b>	
Week 2	1.1 Index notation 1.2 Zero index and negative index	
Week 3 (HBL – Friday)	1.3 Standard form	
Week 4 (CNY – 23 <sup>rd</sup> Mon and 24 <sup>th</sup> Tue)	1.4 Compound interest	
Week 5 (HBL – Friday)	2.1 Using map scales to find actual distance and distance on map	
Week 6	2.2 Using map scales to find actual area and area on the map	Time Practice (3T2)
Week 7 (HBL – Friday)	3.1 Expansion of the product of two linear expressions	
Week 8	3.2 Multiplication of simple algebraic fractions 3.3 Division of simple algebraic fractions	<b>WA1 (Chapter 1 – 2)</b>
Week 9 (HBL – Friday)	3.4 Finding the nth term of a number sequence	
Week 10	Consolidation of Chapter 1 - 3	
<b>March Holiday Assignment (Hard Copy)</b>		
<b>Term 2</b>	<b>Chapter</b>	<b>Assessment</b>
Week 1	4.1 Factorisation of linear algebraic expressions	
Week 2 (HBL – Fri)	4.2 Factorisation of quadratic expressions	
Week 3 (Good Friday)	4.3 Changing the subject of a simple formula	
Week 4 (HBL – Fri)	Consolidation of Chapter 4	
Week 5	5.1 Sectors and Arcs	<b>WA2 (Chapter 2 – 4)</b>
Week 6 Hari Raya Puasa Mon (HBL – Fri)	5.2 Arc lengths	Practice (Ch 3 - 5)
Week 7 Labour Day (Monday)	5.3 Sector areas	

Week 8 (HBL – Fri)	Consolidation of Chapter 5	
Week 9	6.3 Surface area and volume of spheres	
Week 10	6.2 Surface area and volume of cones	
<b>June Holiday Assignment (Hard Copy)</b>		

<b>Term 3</b>	<b>Chapter</b>	<b>Assessment</b>
Week 1 Hari Raya Haji (29 June, Thursday)	6.1 Surface area and volume of pyramids 6.4 Surface area and volume of composite solids	
Week 2 Youth Day (3 July, Mon)	Consolidation of Chapter 6	
Week 3	7.1 Range 7.2 Cumulative frequency table and diagrams	
Week 4	7.3 Percentile, Quartiles and interquartile range	
Week 5 (HBL 25-27 Jul)	Consolidation of Chapter 7	
Week 6	8.1 Graphs of Linear Equations in the form $ax+by=c$	<b>WA3 (Chapter 5 – 7)</b>
Week 7 National Day (8 <sup>th</sup> – 10 <sup>th</sup> Aug) (Tue - Thu)	9.1 Formulating a pair of simultaneous linear equation in 2 variables to solve problems	
Week 8	9.2 Solve simultaneous linear equations by elimination method	
Week 9	9.3 Solve simultaneous linear equations by substitution method	Practice (Ch 8 - 9)
Week 10 (Teachers' Day Celebration – Thu, Teachers' Day – Fri)	9.4 Solve simultaneous linear equations by graphical method  Consolidation of Chapter 8 and 9	
<b>September Holiday Assignment (Hard Copy)</b>		
<b>Term 4</b>	<b>Chapter</b>	<b>Assessment</b>
Week 1	Revision	
Week 2	Revision	
Week 3	<b>Revision 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>	