

**YISHUN SECONDARY SCHOOL  
MATHEMATICS  
SECONDARY 4 NORMAL TECHNICAL 2024**

<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>Back to School Programme</b>	
Week 2	Chapter 1: Pythagoras Theorem,(Revision) - proof of Pythagoras theorem -application of Pythagoras theorem	
Week 3	Chapter 2: Trigonometry:  -SOH CAH TOA Concept, - Inverse Function	Timed practice on past year paper
Week 4	Revision for Trigo	WA1: Chapter 1 and 2 : Pythagoras theorem and trigonometry; Algebra; Numbers
Week 5	Chapter 2:Trigonometry: Angle of Elevation and Depression	Interleave quiz on Pythagoras theorem and trigonometry
Week 6	Chapter 3:Drawing Quadratic graph	
Week 7 (12 <sup>th</sup> -13 <sup>th</sup> Feb Mon Tue – CNY)	Chapter 4:Solving Quadratic equation using graphical method	Interleave quiz on Cumulative Frequency Table, Cumulative Frequency Graph, Interquartile range, and Trigo
Week 8	Chapter 4:Solving Quadratic equation using Quadratic formulae	
Week 9	Revision: Arithmetic (Lower Sec) -Numbers and operations - Ratio and proportions	Interleave quiz on, Arc lengths, Sector & Segment areas, Volumes of Spheres & Hemispheres
Week 10	Revision: Arithmetic (Lower Sec) - Percentages - rate speed	Timed Practice paper(past year school paper)
<b>March Holiday Assignment (past year paper)</b>		

<b>Term 2</b>	<b>Chapter</b>	<b>Assessment</b>
Week 1	Revision for WA2	
Week 2 (29 <sup>th</sup> Mar Fri – Good Fri)	Revision: Arithmetic (Lower Sec) and numbers	WA2 on -Trigonometry -Quadratic Graph -Quadratic Formula -cumulative frequency -Numbers /Arithmetics
Week 3	Revision: -algebraic expression and formulae - functions and graphs -solutions of graphs	Interleave quiz on Trigonometry and Cumulative Frequency
Week 4 (10 <sup>th</sup> Apr Wed – Hari Raya Puasa)	Revision: Arithmetic (Lower Sec) -polygons, congruence and similarity -mensuration -data analysis and probability	
Week 5	<b>Student Learning Fest</b>	
Week 6	Revision Past year paper 2022	Practice Paper 1
Week 7 (1 <sup>st</sup> May Wed - Labour Day)	Revision Past year paper 2021	
Week 8	Revision Past year paper 2020	Timed Practice : Practice Paper 2
Week 9	Revision Past year paper 2019	
Week 10 (22 <sup>nd</sup> May Wed – Vesak Day)	Revision Past year paper 2018	Practice Paper 3
<b>June Holiday Assignment (past year paper)</b>		
<b>Term 3</b>	<b>Chapter</b>	<b>Assessment</b>
Week 1	Revision: Upper Sec topics	Practice Paper 4
Week 2 (1 <sup>st</sup> Jul Mon – Youth Day)	Revision: Upper Sec topics	
Week 3	Revision: Upper Sec Topics	Practice Paper 5
Week 4	Revision: Upper Sec Topics	<b>Timed Practice</b> Arc lengths, Sector & Segment areas, Volumes of Spheres & Hemispheres; Algebra; numbers
Week 5 (National Oral Exam: Tue – Thu) HBL 23-25 Jul	<b>HBL due to National Oral Exam</b> Revision: Upper Sec Topics	Practice Paper 6
Week 6-8 (9 <sup>th</sup> Aug Fri – National Day)	<b>Prelim Exam (Sec 4NT)</b>	T3W6 Timed practice (4T2) <b>Prelim</b> <b>All Sec 1 to 4 topics</b>
Week 8-9	Review of Prelim Exam	

Week 10 (29 <sup>th</sup> Aug Thu - Teachers' Day celeb) (30 <sup>th</sup> Aug Fri -Teachers' Day Celebration)	Revision past year paper	
<b>September Holiday Assignment</b>		
<b>Term 4</b>	<b>Chapter</b>	<b>Assessment</b>
Week 1 - 2	<b>GCE N Level Written Examination</b>	
Week 3	<b>Revision</b>	
Week 4 - 5	<b>GCE N Level Written Examination</b>	