

**YISHUN SECONDARY SCHOOL
MATHEMATICS
SECONDARY 4 NORMAL TECHNICAL 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	Pythagoras Theorem,(Revision) - proof of Pythagoras theorem -application of Pythagoras theorem	
Week 2	Trigonometry: -SOH CAH TOA Concept, - Inverse Function	Quiz on proof and application of Pythagoras theorem
Week 3	Trigonometry: -SOH CAH TOA Concept, - Inverse Function	Quiz on Trigonometry and pythagoras theorem
Week 4 (CNY – Mon; Tues)	Revision for WA1	
Week 5	WA1: T1W5 Trigonometry: Angle of Elevation and Depression	T1W5 WA1 on Pythagoras theorem and trigonometry; Algebra; Numbers
Week 6	Drawing Quadratic graph	
Week 7	Solving Quadratic equation using graphical method	Interleave quiz on Pythagoras theorem and trigonometry
Week 8	Solving Quadratic equation using Quadratic formulae	Interleave quiz on Cumulative Frequency Table, Cumulative Frequency Graph, Interquartile range, and Trigo
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	Timed practice Revision: Arithmetic (Lower Sec) - Percentages - rate speed	T1W10 Timed practice Past year paper.
March Holiday Assignment (past year paper)		

Term 2	Chapter	Assessment
Week 1	Revision for WA2	
Week 2	WA2: T2W2	T2W2 WA2 on - -Trigonometry -Quadratic Graph -Quadratic Formula -cumulative frequency -Numbers /Arithmetics
Week 3 (Good Fri)	Revision: Arithmetic (Lower Sec) -algebraic expression and formulae - functions and graphs -solutions of graphs	Interleave quiz on Trigonometry and Cumulative Frequency
Week 4	Revision: Arithmetic (Lower Sec) -polygons, congruence and similarity -mensuration	
Week 5 (Hari Raya Puasa - Sat)	Revision: Lower Sec topics: -data analysis and probability	
Week 6	Revision Past year paper 2022	Mock Paper 1
Week 7 (Labour Day)	Revision Past year paper 2021	
Week 8	Revision Past year paper 2020	Mock Paper 2
Week 9	Revision Past year paper 2019	
Week 10	Revision Past year paper 2018	Mock Paper 3
June Holiday Assignment (past year paper)		
Term 3	Chapter	Assessment
Week 1	Revision: Upper Sec topics	Mock Paper 4
Week 2 (Youth Day School Holiday – Mon)	Revision: Upper Sec topics	
Week 3	Revision: Upper Sec Topics	Mock Paper 5
Week 4	Revision: Upper Sec Topics	
Week 5 (National Oral: Tue – Thu) HBL 25-27 Jul	Revision: Upper Sec Topics Prelim Exam (Sec 4NT, 4NA) 24 Jul, 31 Jul to 4 Aug, 14-15 Aug	Mock Paper 6
Week 6 - 8 (National Day – wed, School Holiday – Thurs)	Prelim Exam (Sec 4NT, 4NA) 24 Jul, 31 Jul to 4 Aug, 14-15 Aug	Prelim All Sec 1 to 4 topics
Week 9 and 10 (Teachers' Day Celebration-Thurs, Teachers' Day-Fri)	Go thru paper Revision past year paper	
September Holiday Assignment		
Term 4	Chapter	Assessment
Week 1 - 2	GCE N Level Written Examination	
Week 3	Focused Revision	
Week 4 - 5	GCE N Level Written Examination	