

**YISHUN SECONDARY SCHOOL  
ADDITIONAL MATHEMATICS  
SECONDARY 5 NORMAL ACADEMIC 2024**

<b>Mathematics Curriculum</b>		<b>Key Programmes</b>
In line with the requirements of the A Mathematics Syllabus, the teaching of A Math at YSS focuses on developing thinking, reasoning and problem-solving skills using Math Modelling, making conjectures, investigations and making connections among mathematical concepts.		
<b>Term 1</b>	<b>Chapter</b>	<b>Assessment</b>
Week 1 (1 <sup>st</sup> Jan Mon-New Year day)	<b>Back to School Programme</b>	
Week 2	1.1 Sketching graphs of quadratic functions	
Week 3	1.2 Solving Linear Inequalities Revision for WA1	
Week 4	1.3 Solving Problems involving linear inequalities 1.4 Solving Simultaneous linear inequalities 1.5 Solving problems involving simultaneous linear inequalities	WA1 – Algebra, Trigonometry, Sec 5 Topics - Chp 1.1, 1.2
Week 5	4.1 Sets and set notations 4.2 Venn Diagrams, Universal Sets and Complement of sets and subsets	
Week 6	4.3 Intersection of Two Sets 4.4 Applications of sets in real-world contexts	
Week 7 (12 <sup>th</sup> -13 <sup>th</sup> Feb Mon Tue – CNY)	Consolidate Sets	
Week 8	2.1 Congruence Tests	
Week 9	2.2 Similarity Tests 2.3 Applications of congruent and similar triangles	
Week 10	3.1 Area of similar figures 3.2 Volume of similar solids 3.3 Solving problems involving similar solids	
<b>March Holiday Assignment (Revision for WA2)</b>		

<b>Term 2</b>	<b>Chapter</b>	<b>Assessment</b>
Week 1	Revision for WA2	
Week 2 (Good Friday)	5.1 Introduction to matrices 5.2 Addition and Subtraction of matrices	WA2 – 1h 30min paper with PRWC
Week 3	5.3 Matrix multiplication 5.4 Applications of matrices in real-world contexts	
Week 4 (Wed: Hari Raya Puasa)	6.1 Vectors in two dimensions	
Week 5	<b>Student Learning Festival</b>	
Week 6	6.2 Addition of vectors 6.3 Vector Subtraction	
Week 7 (Wed: Labour Day)	6.4 Scalar multiples of a vector 6.5 Expression of a vector in terms of two other vectors	
Week 8	6.6 Position Vectors 6.7 Applications of vectors	
Week 9	TYS – Trigonometry and Pythagoras	
Week 10 (Wed: Vesak Day)	Intensive Mother Tongue	2019 O Level Papers
<b>June Holiday Assignment (Chapter 7 level assignment)</b>		

<b>Term 3</b>	<b>Chapter</b>	<b>Assessment</b>
Week 1	TYS – Properties of Circles	
Week 2 (Mon: Youth Day)	TYS – Mensuration	
Week 3	TYS – Mensuration	
Week 4	TYS – Statistics	<b>Timed Practice</b>
Week 5	YSS 2022 Papers	
Week 6	YSS 2023 Papers	
Week 7 (Fri: National Day)	2021 O Level Papers	
Week 8	Preliminary Examinations (17 to 30 Aug)	
Week 9	Preliminary Examinations (17 to 30 Aug)	
Week 10 (Thurs - Fri: Teachers' Day)	Preliminary Examinations (17 to 30 Aug)	

**September Holiday Assignment (2022 O level papers)**

<b>Term 4</b>	<b>Chapter</b>	<b>Assessment</b>
Week 1	<b>Sec 4E5N Script Check and Review of Exam scripts</b>	
Week 2	<b>Intensive Revision</b>	
Week 3	<b>Intensive Revision</b>	
Week 4	<b>Intensive Revision</b>	
Week 5	<b>Study leave</b>	
Week 6 -10	<b>GCE O Level Written Examination</b>	