

**YISHUN SECONDARY SCHOOL**  
**ADDITIONAL MATHEMATICS**  
**SECONDARY 5 NORMAL ACADEMIC 2020**

<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, investigation, making conjectures, proofs and making connections among mathematical concepts.		
<b>Term 1</b>	<b>Chapter</b>	<b>Assessment</b>
Week 0	Admin	
Week 1	3.6 Partial Fractions	
Week 2	More Examples on Partial Fractions	
Week 3	Chapter 7: Logarithms - Definitions	
Week 4 (CNY-Mon, Tue)	An introduction and investigation to Logarithms	<b>Quiz 1</b> Topic 3.6 - Partial Fractions Chap 5: Binomial theorem
Week 5	Laws of Logarithms	
Week 6	Logarithmic Equations; Practice and discuss	
Week 7	Chapter 4: Modulus Functions Revision on Trigonometry and Circles	<b>Quiz 2</b> Chap 7 - Logarithms Chap 5: Coord Geom of Circles
Week 8	Graphs of Modulus Functions	
Week 9	Chapter 8: Applications of Straight Line Graphs	<b>WA1</b> Chap 3.6: Partial Fractions Chap 7: Logarithms Chap 4: Modulus
Week 10	Reducing Equations to Linear Form	
<b>March Holiday Assignment</b>		
<b>Term 2</b>	<b>Chapter</b>	<b>Assessment</b>
Week 1	Revision of Sec 4NA topics to align with Sec 4E Mid-Year Exam topics.	Remedial/ Consultation
Week 2	Chapters: 1-4	Topical Discussion
Week 3 (Good Fri-Fri)	Chapters: 5 -9	Mock 1
Week 4	Chapters: 11 to 16	<b>Quiz 3</b> Chap 14,15,16: Differentiation
Week 5	Revision	
Week 6 (Labour Day-Fri)	<b>Revision for Mid-Year Examination</b>	<b>WA2</b> Chap 8: Linear Law Chap 11, 12, 13: Trigonometry
Week 7 – 9 (Vesak Day-Thurs)	<b>Preliminary Examination and Script Checking</b>	

Week 10	Values Week	
June Holiday Assignment (Revision Chp 17)		
Term 3	Chapter	Assessment
Week 1	18.3 Integration of Trigonometric Functions	
Week 2 (Youth Day, Mon)	18.4 Integration of Exponential Functions and 1/x	
Week 3	20.1 Displacement, Velocity and Acceleration	
Week 4	10.1 Triangle theorem	Quiz 4 Chp 17, 18 - Differentiation and Integration of Trig, Exp and Log Functions
Week 5 (Hari Raya Haji-Fri)	10. 2 Quadrilateral theorem	
Week 6	10.3 Circle Theorem	Mock P1 / P2
Week 7 (National Day -Mon)	Revision	WA3 Chap 19 - Applications of Integration: Area of a region Chap 20: Kinematics Chap 10: Plane Geometry
Week 8	Revision	
Week 9	Preliminary Examination	
Week 10 (Teachers' Day Celebration-Thurs, Teachers' Day-Fri)	Preliminary Examination	
September Holiday		
Term 4	Chapter	Assessment
Week 1	Preliminary Examination	
Week 2	Script Checking	
Week 3 -5	Focused Revision	
Week 6 -10	GCE O Level Written Examination	