

**YISHUN SECONDARY SCHOOL
ADDITIONAL MATHEMATICS
SECONDARY 4 NORMAL ACADEMIC 2024**

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 (1 st Jan Mon - New Year day)	Back to School Programme	
Week 2	11.1 Derivatives and gradient functions (pp.2–6)	
Week 3	11.2 Five rules of differentiation (pp.6–16)	
Week 4	11.3 Higher derivatives (pp.16–18) 11.4 Increasing and decreasing functions (pp.19–22)	
Week 5	Review of Chapter 11	
Week 6	12.1 Equations of tangent and normal (pp.26–30)	Weighted Assessment 1 Chapters 9, 10, 11
Week 7 (12 th -13 th Feb Mon Tue – CNY)	12.2 Rates of change (pp.31–37)	
Week 8	12.3 Stationary points (pp.38–48)	
Week 9	12.4 Maximisation and minimisation problems (pp.49–56)	
Week 10	12.4 Maximisation and minimisation problems (pp.49–56) Review of Chapter 12	
March Holiday		
Term 2	Chapter	Assessment
Week 1	14.1 Integration as reverse of differentiation (pp.91–94) 14.2 Two rules of integration (p.94)	
Week 2 (29 th Mar Fri – Good Fri)	14.3 Integration of power functions (pp.95–102) Review of Chapter 14	
Week 3 (Good Friday)	15.1 Definite integrals (pp.119–127)	

	15.2 Further examples of definite integrals (pp.127–131)	
Week 4 (10 th Apr Wed – Hari Raya Puasa)	15.3 Area under a curve (pp.132–143)	
Week 5	Review on Chapter 15 Student Learning Fest	
Week 6	Review on Chapter 15 WA 2 Revision	
Week 7 Labour Day (1 st May Wed - Labour Day)	Sec 3 Topics Revision Chapter 1 & 2	
Week 8	Sec 3 Topics Revision Chapter 3 & 4	Weighted Assessment 2 (during curriculum) Chapters 12, 14, 15
Week 9	Sec 3 Topics Revision Chapter 7	
Week 10 (22 nd May Wed – Vesak Day)	Timed Practice P1 and P2	

Term 3	Chapter	Assessment
Week 1 – 3 (1 st Jul Mon – Youth Day)	Sec 3 Topics Revision Chapter 9 & 10	
Week 4	Sec 4 Topics Revision Chapter 11	
Week 5	HBL due to National Oral Exam Sec 4 Topics Revision Chapter 12	
Week 6	Sec 4 Topics Revision Chapter 12	Timed-Practice (W6)
Week 6 – 8 National Day (9 th Aug Fri – National Day)	Prelim Exam (Sec 4NA)	
Week 8 - 9	Review of Prelim Exam	
Week 9-10 (29 th Aug Thu - Teachers' Day celeb) (30 th Aug Fri -Teachers' Day Celebration)	Revision: TYS, Past year papers	
September Holiday		
Term 4	Chapter	Assessment
Week 1 - 2	GCE N Level Written Examination	
Week 3	Revision	
Week 4 -5	GCE N Level Written Examination	