

**YISHUN SECONDARY SCHOOL
ADDITIONAL MATHEMATICS
SECONDARY 4 G2 2025**

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 0 (1 Jan Wed-New Year day)	Back to School Programme	
Week 1	11.1 Derivatives and gradient functions (pp.2–6)	
Week 2	11.2 Five rules of differentiation (pp.6–16)	
Week 3	11.3 Higher derivatives (pp.16–18) 11.4 Increasing and decreasing functions (pp.19–22)	
Week 4 (28 Jan – CNY celebration, 29-30 Jan Wed-Thu – CNY)	Review of Chapter 11	
Week 5	12.1 Equations of tangent and normal (pp.26–30)	
Week 6	12.2 Rates of change (pp.31–37)	
Week 7	12.3 Stationary points (pp.38–48)	
Week 8	12.4 Maximisation and minimisation problems (pp.49–56)	
Week 9	Revision for WA1	
Week 10	12.4 Maximisation and minimisation problems (pp.49–56) Review of Chapter 12	WA1
March Holiday		
Term 2	Chapter	Assessment
Week 1	14.1 Integration as reverse of differentiation (pp.91–94)	
Week 2 (31 Mar Mon– Hari Raya Puasa)	14.2 Two rules of integration (p.94)	
Week 3	14.3 Integration of power functions (pp.95–102) Review of Chapter 14 15.1 Definite integrals (pp.119–127)	

Week 4 (18 Apr Fri – Good Fri)	15.2 Further examples of definite integrals (pp.127–131)	
Week 5	15.3 Area under a curve (pp.132–143) Review on Chapter 15	
Week 6 (1 May Thu - Labour Day) (HBL - Fri)	Sec 3 Topics Revision Chapter 1 & 2	
Week 7 (HBL - Fri)	Sec 3 Topics Revision Chapter 3 & 4	
Week 8 (12 May Mon – Vesak Day)	Student Learning Festival	
Week 9	Sec 3 Topics Revision Chapter 7	WA2
Week 10	Mother Tongue Intensive Sec 3 Topics Revision Chapter 9	

Term 3	Chapter	Assessment
Week 1	Sec 3 Topics Revision Chapter 10 & 11	
Week 2 (7 Jul Mon – Youth Day)	Sec 4 Topics Revision Chapter 12 TYS 2022	
Week 3 (National Oral Exam: Tue – Thu) HBL 15 - 17 Jul	HBL due to National Oral Exam Prelim 2023	
Week 4	TYS 2021 Prelim 2022	
Week 5	Prelim Exam (Sec 4NA)	
Week 6 (8 Aug Fri – National Day celebration)	Prelim Exam (Sec 4NA)	
Week 5-7 (11 Aug Mon – School Holiday)	Prelim Exam (Sec 4NA)	Prelim
Week 8 - 9	Review of Prelim Exam	
Week 9 and 10 (4 Sep Thu - Teachers' Day celeb) (5 Sep Fri -Teachers' Day Celebration)	Revision: TYS 2024, 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	

