

YISHUN SECONDARY SCHOOL
ADDITIONAL MATHEMATICS
SECONDARY 4 NORMAL ACADEMIC 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	Back to School Activities	
Week 2	11.1 Derivatives and gradient functions (pp.2–6)	
Week 3 (HBL – Fri)	11.2 Five rules of differentiation (pp.6–16)	
Week 4 (CNY – 23 rd Mon and 24 th Tue)	11.3 Higher derivatives (pp.16–18) 11.4 Increasing and decreasing functions (pp.19–22)	
Week 5	12.1 Equations of tangent and normal (pp.26–30)	
Week 6	Review of Chapter 11	
Week 7	12.2 Rates of change (pp.31–37)	Weighted Assessment 1 (Tuesday) Chapters 10, 11, 12.1
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 Assignment: S3 TYS Topics: C9		
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	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	15.3 Area under a curve (pp.132–143)	
Week 5	Review on Chapter 15 WA 2 Revision	
Week 6 Hari Raya Puasa (Monday)	Student Learning Festival	
Week 7 Labour Day (Monday)	Sec 3 Topics Revision Chapter 1 & 2	Weighted Assessment 2 (during curriculum) Chapters 12.2-12.4, 14, 15
Week 8	Sec 3 Topics Revision Chapter 3 & 4	
Week 9	Sec 3 Topics Revision Chapter 7	
Week 10	Timed Practice P1 and P2	
June Holiday Assignment: 2021 N Level Papers		

Term 3	Chapter	Assessment
Week 1 – 4 Hari Raya Haji (29 June, Thurs) Youth Day (3 July, Mon)	Sec 4 Topics Revision Chapter 11, 12	
Week 5 HBL (25 – 27 July, Tue – Thu)	Prelim Exam 24 Jul, 31 Jul to 4 Aug, 14-15 Aug	
Week 6 – 8 National Day (8 th Aug Tue – 10 th Aug Thurs)	Prelim Exam 24 Jul, 31 Jul to 4 Aug, 14-15 Aug	
Week 9 – 10 (Teachers' Day Celebration – Thu, Teachers' Day – Fri)	Review of Prelim Exam	
September Holiday Assignment (2022 N level papers)		
Term 4	Chapter	Assessment
Week 1 - 2	GCE N Level Written Examination	
Week 3	Revision	
Week 4 -5	GCE N Level Written Examination	