YISHUN SECONDARY SCHOOL ADDITIONAL MATHEMATICS SECONDARY 3 EXPRESS 2023

Mathematics Curric	ulum	Key Programmes
In line with the require		
	on developing thinking, reasoning and	
	s using Math Modelling, investigations and	
making connections among mathematical concepts.		
Term 1	Chapter	Assessment
Week 1	Teacher's expectations	
(New Year's Day –	Hand up Holiday Assignment	
Mon)	Back-to-school programme	
Week 2	3.1 Surds	Use of SLS
VVCCK Z	3.2 Simplifying expressions involving surds	
Week 3 (HBL – Fri)	3.3 Solving equations involving surds	
` '	1.1 Quadratic functions of the form	
Maak 1	y = a(x - p)(x - q)	
Week 4	1.2 Quadratic functions of the form	
(CNY – Mon, Tue)	$y = a(x - h)^2 + k$	
	1.3 Conditions for quadratic curve to lie	
Week 5	completely above or below x-axis	
(HBL – Fri)	1.4 Quadratic functions in real-world contexts	
	2.1 Solving quadratic equations by completing	
Week 6	the square (coefficient of x² is not 1)	
WEEK O	2.2 Solving quadratic equations using the	
	Quadratic formula	
	2.3 Solving linear and non-linear simultaneous	
Week 7	equations	
(HBL – Fri)	2.4 Solving quadratic inequalities	
Week 8	4.1 Polynomials	
Week 9	4.2 Remainder and Factor Theorem	WA1:
(HBL – Fri)		Chp 1, 2, 3
(LIDE – FII)		(Curriculum Time)
Week 10	4.3 Cubic expressions, equations and identities	
VVOCIC 10		

March Holiday Assignment (Partial Fractions SLS)

Term 2	Chapter	Assessment
Week 1	4.4 Partial Fractions	
Week 2	5.1 The Binomial Expansion of $(1 + b)^n$	
(HBL – Fri)	5.2 The Binomial Expansion of $(a + b)^n$	
Week 3 (Good Fri)	5.3 Applications of Binomial Theorem in real-world contexts	
Week 4 (HBL – Fri)	6.1 Exponential expressions and equations 6.2 Introduction to Logarithms	

Week 5	6.3 Laws of Logarithms and change of base formula	
Term 2	Chapter	Assessment
Week 6 (Hari Raya Puasa – Mon) (HBL – Fri)	Student Learning Festival week	SLS
Week 7 (Labour Day – Mon)	6.4 Logarithmic and Exponential equations	
Week 8 (HBL – Fri)	6.4 Logarithmic and Exponential equations	WA2: Chp 4, 5, 6.1 to 6.3 (9 May)
Week 9	6.5 Exponential and Logarithmic Functions and graphs	
Week 10 (HBL – Fri)	6.6 Applications of Exponential and Logarithmic Functions	

June Holiday Assignment (Coordinate Geometry SLS)

Term 3	Chapter	Assessment
Week 1 (Hari Raya Haji – Thur)	7.1 Mid-point of a Line Segment 7.2 Parallel and perpendicular lines 7.3 Equation of straight line	SLS
Week 2 (Youth Day – Mon)	7.4 Areas of rectilinear figures	
Week 3	7.5 Equations of Circles	
Week 4	7.5 Equations of Circles	
Week 5 (HBL 25-27 Jul)	9.1 Trigonometric Ratios of acute angles and special angles	
Week 6	9.2 Trigonometric Ratios of general angles	
Week 7 (National Day –Wed, School Holiday – Thur)	9.3 Trigonometric functions and graphs	
Week 8	8.1 Why study Linear Law	
Week 9	8.2 Converting non-linear equation into linear form 8.3 Converting linear equation into non-linear form	
Week 10 (Teachers' Day Celebration-Thurs, Teachers' Day-Fri)	8.4 Applications of Linear Law	WA3: Chp 6.4 - 6.6, 7, 9 (29 Aug)

September Holiday Assignment (Past Year paper)			
Term 4	Chapter	Assessment	
Week 1	10.1 Trigonometric equations		
Week 2	Revision	Timed Pract	
Week 3	Revision End-of-Year Exam (25 to 26 Sep)		
Week 4-5	End-of-Year Examination (2 to 9 Oc	End-of-Year Examination (2 to 9 Oct)	
Week 6	Script Checking (12 to 17 Oct) and I	Script Checking (12 to 17 Oct) and Review of Exam Papers	
Week 7	Post-Exam Programmes		