YISHUN SECONDARY SCHOOL
MATHEMATICS
SECONDARY 4 Express 2026

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 (1 Jan, Thu-New Year day)	Back to School Programme (2 Jan to 6 Jan) Go through Holiday Assignment (CCHM 2024 Paper 2 selected qns) 1.1 Introduction to Set Notations	
Week 2	1.2 Venn Diagrams, Universal Set and Complement of a Set 1.3 Intersection of and union of two Sets	
Week 3	1.4 Applications of sets in real-world contexts Revision for WA1	
Week 4	2.1 Probability of Single Events 2.2 Simple Combined Events, Possibility Diagrams and Tree Diagrams	WA1
Week 5	2.3 Addition Law of Probability and Mutually Exclusive Events 2.4 Multiplication Law of Probability and Independent Events	
Week 6	3.1 Cumulative Frequency and Curve 3.2 Median, Quartiles, Percentiles, Range and Interquartile Range	
Week 7 (16 Feb, Mon – School Celebration, 17 Feb, Tue – 18 Feb, Wed CNY)	3.3 Box-and-Whisker Plots	
Week 8 (27 Feb, Fri – HBL Sec 3 Oral)	3.4 Standard Deviation 4.1 Introduction to Matrices	
Week 9 (6 Mar, Fri – HBL Sec 3 Oral)	4.2 Addition and Subtraction of Matrices 4.3 Matrix Multiplication	
Week 10	4.4 Applications of Matrices	
March Holiday Assignment (Revision for WA2 topics)		
Term 2	**Chapter**	**Assessment**
Week 1 (23 Mar, Mon – Hari Raya Puasa School Hol)	Consolidate Chapter 2, 3 and 4 Revision for WA2	
Week 2 (3 Apr, Fri – Good Friday)	5.1 Vectors in Two Dimensions 5.2 Addition of Vectors 5.3 Vectors Subtraction	
Week 3	5.4 Scalar Multiples of a Vector 5.5 Expressing a Vector in terms of Two Vectors	

Week 4 (HBL – Fri Sec 4 Oral)	5.6 Position Vectors 5.7 Applications of Vectors	
Week 5 (HBL – Fri Sec 4 Oral)	7.4 Mensuration 7.5 Coordinate Geometry	2022 O Level P2 / other school pprs
Week 6 (1 May Fri - Labour Day)	7.7 Properties of Circles 7.3 Pythagoras' Theorem and Trigonometry	
Week 7	**Student Learning Festival** 6.1 Numbers and Percentages	WA2 (6 May) (Time Practice 2025)
Week 8	6.2 Proportion, Ratio, Rate and Speed 7.1 Angles, Triangles and Polygons	2022 O level P1 / other school pprs
Week 9 (22nd May Fri– Cross Country)	6.3 Algebraic Manipulation and Formulae 6.4 Equations and inequalities	
Week 10 (27 May, Wed – Hari Raya Haji)	**Intensive Mother Tongue session**	
June Holiday Assignment (2021 Prelim P1 & P2)		
Term 3	**Chapter**	**Assessment**
Week 1	6.6 Graphs in Practical Situation 6.5 Functions and Graphs Problems in Real world context	
Week 2 (6 Jul Mon – Youth Day)	6.7 Sets 6.8 Matrices Problems in Real world context	
Week 3 (National Oral Exam: Tue – Thu) HBL 14 - 16 Jul	**HBL due to National Oral Examination (14 to 16 July)** O level 2024 papers	
Week 4	7.6 Vectors 8.1 Probability Problems in Real world context	
Week 5	8.2 Statistics Problems in Real world context	
Week 6 (7 Aug, Fri – National Day School Celebration)	YSS 2023 papers	
Week 7 (10 Aug, Mon – National Day School Holiday)	YSS 2024 papers	
Week 8	**Preliminary Examination**	**Prelim All Sec 1 to 4 topics**
Week 9 and 10 (3 Sep Thu - Teachers' Day celeb) (4 Sep Fri -	**Preliminary Examination**	

Teachers' Day Celebration)		
September Holiday Assignment		
Term 4	**Chapter**	
Week 1	**Sec 4E5N Script Check and Review of Exam scripts**	
Week 2	**Intensive Revision (Specimen paper P2)**	
Week 3	**Study leave**	