YISHUN SECONDARY SCHOOL
MATHEMATICS
SECONDARY 4 G3 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	Go through Holiday Assignment (2023 O level paper 1 & 2 selected qns) 1.1 Introduction to Set Notations 1.2 Venn Diagrams, Universal Set and Complement of a Set	
Week 2	1.3 Intersection of and union of two Sets 1.4 Applications of sets in real-world contexts	
Week 3	2.1 Probability of Single Events 2.2 Simple Combined Events, Possibility Diagrams and Tree Diagrams	
Week 4 (28 Jan CNY celebration, 29 -30 Jan Wed- Thu CNY)	Revision for WA1	
Week 5	2.3 Addition Law of Probability and Mutually Exclusive Events 2.4 Multiplication Law of Probability and Independent Events	WA1
Week 6	2.4 Multiplication Law of Probability and Independent Events 3.1 Cumulative Frequency and Curve	
Week 7	3.2 Median, Quartiles, Percentiles, Range and Interquartile Range 3.3 Box-and-Whisker Plots	
Week 8	3.4 Standard Deviation	
Week 9	4.1 Matrix Multiplication 4.2 Addition and Subtraction of Matrices	
Week 10	4.3 Matrix Multiplication 4.4 Applications of Matrices	
March Holiday Assignment (Revision for WA2 topics)		
Term 2	**Chapter**	**Assessment**
Week 1	Consolidate Chapter 2, 3 and 4 Revision for WA2	
Week 2 (31 Mar Mon– Hari Raya Puasa)	5.1 Vectors in Two Dimensions 5.2 Addition of Vectors 5.3 Vectors Subtraction	WA2
Week 3	5.4 Scalar Multiples of a Vector 5.5 Expressing a Vector in terms of Two Vectors	
Week 4 (18 Apr Fri – Good Fri)	5.6 Position Vectors 5.7 Applications of Vectors	

Week 5	7.4 Mensuration 7.5 Coordinate Geometry	
Week 6 (1 May Thu - Labour Day) (HBL - Fri)	7.7 Properties of Circles 7.3 Pythagoras' Theorem and Trigonometry	
Week 7 (HBL - Fri)	6.1 Numbers and Percentages 6.2 Proportion, Ratio, Rate and Speed 7.1 Angles, Triangles and Polygons	
Week 8 (12 May Mon – Vesak Day)	**Student Learning Festival**	2018 O Level P1
Week 9	6.3 Algebraic Manipulation and Formulae 6.4 Equations and inequalities	
Week 10	**Intensive Mother Tongue session**	2020 O level Papers
June Holiday Assignment (2021 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 (7 Jul Mon – Youth Day)	6.7 Sets 6.8 Matrices Problems in Real world context	
Week 3 (National Oral Exam: Tue – Thu) HBL 15 - 17 Jul	**HBL due to National Oral Examination** O level 2023 papers (remaining questions from sec 3 holiday HW)	
Week 4	7.6 Vectors 8.1 Probability Problems in Real world context	
Week 5	8.2 Statistics Problems in Real world context	**Time Practice (Consultation Slot)**
Week 6 (8 Aug Fri – National Day celebration)	YSS 2024 papers	
Week 7 (11 Aug Mon – School Holiday)	2024 O level papers	
Week 8 to 10	**Preliminary Examination**	**Prelim** **All Sec 1 to 4 topics**
Week 9 and 10 (4 Sep Thu - Teachers' Day celeb) (5 Sep Fri -Teachers' Day Celebration)	**Preliminary Examination**	
September Holiday Assignment (2022 O level papers)		
Term 4	**Chapter**	
Week 1	**Sec 4E5N Script Check and Review of Exam scripts**	
Week 2	**Intensive Revision (Specimen paper P2)**	
Week 3	**Intensive Revision**	
Week 4	**Study leave**	