YISHUN SECONDARY SCHOOL
MATHEMATICS
SECONDARY 4 EXPRESS 2024

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 (1ˢᵗ Jan Mon-New Year day)	Back to School Programme	
Week 2	1.1 Introduction to Set Notations 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 and Sec 3 (Chp 8 & 11 Arc Length, Sector Area and Properties of Circles)	
Week 4	2.1 Probability of Single Events 2.2 Simple Combined Events, Possibility Diagrams and Tree Diagrams	WA1 Sec 3 Chp 8 and 11, Sec 4 Chp 1
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 (12ᵗʰ-13ᵗʰ Feb Mon Tue – CNY)	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	Revision for WA2	
Week 2 (29ᵗʰ Mar Fri – Good Fri)	5.1 Vectors in Two Dimensions 5.2 -5.3 Addition and Subtraction of Vectors	WA2 : 1 hour 30 mins paper with PRWC
Week 3	5.4 - 5.6 Scalar Multiples of a Vector, Expressing a Vector in terms of Two Vectors and Position Vectors	
Week 4 (10ᵗʰ Apr Wed – Hari Raya Puasa)	5.7 Applications of Vectors - Other schools papers	

Week 5	**Student Learning Festival**	
Week 6	7.4 Mensuration 7.5 Coordinate Geometry	
Week 7 (1st May Wed - Labour Day)	7.7 Properties of Circles 7.3 Pythagoras' Theorem and Trigonometry	
Week 8	6.1 Numbers and Percentages 6.2 Proportion, Ratio, Rate and Speed 7.1 Angles, Triangles and Polygons	
Week 9	6.3 Algebraic Manipulation and Formulae 6.4 Equations and inequalities	
Week 10 (22nd May Wed – Vesak Day)	**Intensive Mother Tongue session**	2019 O level Papers
<td colspan="3" align="center">**June Holiday Assignment (2018 P1 & P2)**</td>		
Term 3	**Chapter**	**Assessment**
Week 1	6.6 Graphs in Practical Situation Problems in Real world context	
Week 2 (1st Jul Mon – Youth Day)	6.5 Functions and Graphs 6.7 Sets Problems in Real world context	
Week 3	6.8 Matrices 7.6 Vectors Problems in Real world context	
Week 4	8.1 Probability 8.2 Statistics Problems in Real world context	**Timed Practice YSS 2023 P2**
Week 5 (National Oral Exam: Tue – Thu) HBL 23-25 Jul	YSS 2022 papers	
Week 6	YSS 2023 paper 1	
Week 7 (9th Aug Fri – National Day)	2021 O level papers	
Week 8	**Preliminary Examination (17 to 30 Aug)**	**Prelim All Sec 1 to 4 topics**
Week 9 and 10 (29th Aug Thu - Teachers' Day celeb) (30th Aug Fri -Teachers' Day Celebration)	**Preliminary Examination**	
<td colspan="3" align="center">**September Holiday Assignment (2022 O level papers)**</td>		
Term 4	**Chapter**	
Week 1	**Sec 4E5N Script Check and Review of Exam scripts**	
Week 2	**Intensive Revision (2023 O level papers)**	
Week 3	**Intensive Revision (Specimen paper P1)**	
Week 4	**Intensive Revision (Specimen paper P2)**	
Week 5	**Study leave**	
Week 6 -10	**GCE O Level Written Examination**	