

**YISHUN SECONDARY SCHOOL
MATHEMATICS
SECONDARY 4 EXPRESS 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 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 2.1 Probability of Single Events	
Week 4 (CNY – Mon, Tue)	Revision for WA1 and Sec 3 (Chp 9 & 10 Construction, similar & congruent test and applications)	
Week 5	2.2 Simple Combined Events, Possibility Diagrams and Tree Diagrams	WA1 Sec 3 Chp 9,10, PRWC, Sec 4 Chp 1
Week 6	2.3 Addition Law of Probability and Mutually Exclusive Events 2.4 Multiplication Law of Probability and Independent Events	
Week 7	3.1 Cumulative Frequency and Curve 3.2 Median, Quartiles, Percentiles, Range and Interquartile Range	
Week 8	3.3 Box-and-Whisker Plots 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 by topic/ school papers)		
Term 2	Chapter	Assessment
Week 1	5.1 Vectors in Two Dimensions 5.2 -5.3 Addition and Subtraction of Vectors	
Week 2	5.4 - 5.6 Scalar Multiples of a Vector, Expressing a Vector in terms of Two Vectors and Position Vectors	WA2 : Chp 2,3,4, Algebra
Week 3 (Good Fri)	5.7 Applications of Vectors - Other schools papers	
Week 4	7.4 Mensuration 7.5 Coordinate Geometry	
Week 5	7.7 Properties of Circles 7.3 Pythagoras' Theorem and Trigonometry	
Week 6 (Hari Raya Puasa – Mon)	Student Learning Fest	

Week 7 (Labour Day-Mon)	6.1 Numbers and Percentages 6.2 Proportion, Ratio, Rate and Speed 7.1 Angles, Triangles and Polygons	
Week 8	6.3 Algebraic Manipulation and Formulae 6.4 Equations and inequalities	
Week 9	2018 P1 O level papers Other schools papers	Practice 1
Week 10	Intensive Mother Tongue session	2016 O level Papers
June Holiday Assignment (2018 P2)		
Term 3	Chapter	Assessment
Week 1 (Hari Raya Haji –Thu)	Go through 2016 6.6 Graphs in Practical Situation Problems in Real world context	
Week 2 (Youth Day School Holiday – Mon)	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	Practice 2
Week 5 (National Oral Exam: Tue – Thu) HBL 25-27 Jul	2019 P1 &P2	
Week 6	2020 O level papers	
Week 7 (National Day celebration – Tue; Holidays – Wed, Thu)	2021 O level papers	
Week 8	Preliminary Examination (17 to 30 Aug)	Prelim All Sec 1 to 4 topics
Week 9 and 10 (Teachers' Day Celebration – Thu, Teachers' Day – Fri)	Preliminary Examination	
September Holiday Assignment		
Term 4	Chapter	
Week 1	Sec 4E5N Script Check and Review of Exam scripts	
Week 2	Intensive Revision	
Week 3	Intensive Revision	
Week 4	Intensive Revision	
Week 5	Study leave	
Week 6 -10	GCE O Level Written Examination	