

**YISHUN SECONDARY SCHOOL
MATHEMATICS
SECONDARY 5 NORMAL ACADEMIC 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 (BTS: 3/1 – 5/1, Tue - Thu)	1.1 Graphs of Quadratic Functions	
Week 2	1.1 Graphs of Quadratic Functions 1.2 Linear inequalities	
Week 3 (CNY celebrations: 19/1, Thu)	1.2 Linear inequalities 1.3 Problem Solving Involving Inequalities 1.4 Solving Simultaneous Inequalities	
Week 4 (CNY – 23-24/1, Mon, Tue)	Revision (TYS Unit 1.1 – 1.5) Revision for WA1 7.1 Revision (Numbers and Percentages) 7.2 Revision (Proportion, Ratio, Rate and Speed)	
Week 5	2.1 Introduction to Set notation 2.2 Venn Diagrams, Universal Set and Complement of a Set	T1W5 WA1: Chapter 1: Quadratic Functions and Inequalities TYS Unit 1.1-1.5 (Revision)
Week 6	2.3 Intersection of Two Sets 2.4 Union of two Sets	
Week 7	2.5 Combining Universal Set, complement of a set, subset, Intersection and Union of Sets 3.1. Introduction to Matrices	
Week 8	3.2 Addition and subtraction of Matrices 3.3 Matrix multiplication	
Week 9	3.4 Application of Matrices 4.1 Congruence Tests	
Week 10 (Speech day- Fri)	4.2 Similarity Tests 4.3 Applications of Congruent and Similar Triangles	T1W10: Time practice
March Holiday Assignment		

Term 2	Chapter	Assessment
Week 1	5.1 Area of Similar Figures 5.2 Volume of Similar Figures Revision for WA2 7.3 Algebraic Manipulation and Formulae 7.4 Equations and inequalities	
Week 2	6.1 Vectors in Two Dimensions 6.2 Addition and Subtraction of Vectors	T2W2 WA2: Chapter 2: Set language and notation Chapter 3(Matrices) Chapter 4 (Congruence and Similarity Tests) 7.3 Algebraic Manipulation and Formulae 7.4 Equations and inequalities
Week 3 (Good Friday – 7/4)	6.3 Scalar Multiples of a Vector, Expressing a Vector in terms of Two Vectors and Position Vectors 6.4 Applications of Vectors	
Week 4	6.4 Applications of Vectors 8.5 Revision (Coordinate Geometry)	
Week 5 (Hari Raya Puasa – 22/4, Sat)	8.7 Revision (Properties of Circles)	
Week 6 (Sch Hol 24/4, Mon)	Learning Festival (25-27/4, Tue – Thu) 8.4 Revision (Mensuration)	
Week 7 (Labour Day – 1/5, Mon)	8.4 Revision (Mensuration) Practice Paper	
Week 8	8.3 Revision (Pythagoras' Theorem, Trigonometry)	
Week 9	8.1 Revision (Angles, Triangles, and Polygons) Time practice/Practice Paper (Other school paper)	
Week 10	Intensive Mother Tongue session	
June Holiday Assignment		
Term 3	Chapter	Assessment
Week 1 (Hari Raya Haji – 29/6, Thu)	7.3 Algebraic Manipulation and Formulae Problems in Real world context	
Week 2 (Youth Day – 3/7, Mon)	7.4 Equations and inequalities 2020 O level Paper	

Week 3	7.5 Functions and Graphs 7.6 Graphs in Practical Situation Problems in Real world context	
Week 4	9.1 Revision (Probability) 9.2 Revision (Statistics)	
Week 5 (HBL- Tue to Thu)	2016 O level Paper	
Week 6	2017 O level Paper	
Week 7 (National Day –Wed, Sch Holiday – Thu)	2018, 2019 O level Paper Other school paper	
Week 8	2020 O level Paper Other school paper Preliminary Examination (17 to 30 Aug)	
Week 9 and 10 (Teachers' Day Celebration-Thurs, Teachers' Day-Fri)	Preliminary Examination	
September Holiday Assignment (4E5N)		
Term 4	Chapter	Assessment
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	