YISHUN SECONDARY SCHOOL
ELEMENTARY MATHEMATICS
SECONDARY 3 G3 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 Solving quadratic equations by completing the square 1.2 Solving quadratic equations by using formula 1.3 Solving fractional equations reducible to quadratic equations	
Week 3	1.4 Solving quadratic equations by graphical method 1.5 Sketching of graphs of quadratic functions 1.6 Applications of quadratic equations and functions in real-world	
Week 4	2.1 Solving simultaneous linear inequalities	
Week 5	2.2 Solving problems involving simultaneous linear inequalities	
Week 6	3.1 Indices 3.2 Laws of indices 3.3 Zero and negative indices	
Week 7 (12th-13th Feb Mon Tue – CNY)	3.4 Rational indices Revise for WA1	
Week 8	3.5 Compound Interest 3.6 Standard Form	**WA1** Sec 3: Chap 1 – 3.3 Number Pattern, Sec 2: Algebra
Week 9	4.1 Gradient of a Straight Line	
Week 10	4.2 Length of a Line Segment 4.3 Equation of a Straight Line	
March Holiday Assignment (PRWC)		

Term 2	Chapter	Assessment
Week 1	5.1 Graphs of cubic functions	
Week 2 (29th Mar Fri – Good Fri)	5.2 Graphs of reciprocal functions 5.3 Graphs of exponential functions	

Week 3	5.4 Gradient of curve 5.5 Applications of graph in real-world context	
Week 4 (10th Apr Wed – Hari Raya Puasa)	Revision for WA2	
Week 5	**Student Learning Festival**	**WA2 (Monday)** Chapter 3.4 – 5.3
Week 6	6.1 Sine and cosine of obtuse angles 6.2 Area of triangle	
Week 7 (1st May Wed - Labour Day)	6.3 Sine rule 6.4 Cosine rule	
Week 8	7.1 Angles of elevation and depression **GBTB PRWC**	
Week 9	7.2 Bearings	
Week 10 (22nd May Wed – Vesak Day)	7.3 Three-dimensional problems	
June Holiday Assignment (SLS for Chp 8.1, 8.2, 8.3)		

Term 3	Chapter	Assessment
Week 1	8.4 Arc length and sector area using radian measure	
Week 2 (1st Jul Mon – Youth Day)	11.1 Symmetric properties of circles	
Week 3	11.2 Angle properties of circles	
Week 4	9.1 Bisector and scale drawings	
Week 5	**HBL due to National Oral Examination** 9.2 Congruence tests	
Week 6	9.2 Congruence tests Revise for WA3	
Week 7 (9th Aug Fri – National Day)	9.3 Similarity tests	**WA3** Chapter 54, 5.5, 6, 7, 8, 11
Week 8	9.4 Applications of congruent and similar triangles	
Week 9	10.1 Area of similar figures 10.2 Volume of Similar solids	
Week 10 (29th Aug Thu - Teachers' Day	10.3 Solving problems involving similar solids	

celeb) (30th Aug Fri -Teachers' Day Celebration)		
September Holiday Assignment (EOY Practice Paper)		
Term 4	**Chapter**	**Assessment**
Week 1	**Revision**	
Week 2	**Revision**	
Week 3 – 5	**Revision and End-of-Year Examination**	
Week 6	**Script Checking and Review of Exam Papers**	
Weeks 7	**Post-Exam Programmes**	