YISHUN SECONDARY SCHOOL

MATHEMATICS

SECONDARY 4 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 (1st Jan Mon-New Year day)	Back-to-school programme	
Week 2	**Sec 3 Topic** 8.1 Enlargement and Reduction of a Plane Figure 8.2 Scale Drawings	
Week 3	WA1 Revision	
Week 4	8.3 Solving Simple Problems involving Congruence and Similarity **Sec 4 Topic** 1.1 Trigo ratios (recap) 1.2 Angles of elevation and depression	**WA1 (Week 4)** *Sec 3 Topics*: Chapter 6 (Trigonometry), 7 (Further Trigonometry), Algebra
Week 5	1.3 Bearings 1.4 Three-Dimensional Problems	
Week 6	2.1 Length of Arc 2.2 Area of Sector 2.3 Radian Measure	4N2-3: Time Practice *Sec 3* Chap 8 *Sec 4* Chap 1 *Lower sec topic:* Algebra
Week 7 (12th - 13th Feb Mon,Tue – CNY)	2.4 Arc Length and Sector Area using Radian Measure	
Week 8	3.1 Probability of Single Event 3.2 Simple Combined Events, Possibility Diagrams and Tree Diagrams	
Week 9	3.3 Addition Law of Probability and Mutually Exclusive Events	
Week 10	3.4 Multiplication Law of Probability and Independent Events	
March Holiday Assignment (Topical TYS: Lower Sec Topics, Chap 2, 3)		

Term 2	Chapter	Assessment
Week 1	4.1 Cumulative Frequency Table & Curve 4.2 Median, Quartiles, Percentiles, Range & Interquartile Range Revision for WA2	
Week 2 (29th Mar Fri – Good Fri)	4.2 Median, Quartiles, Percentiles, Range & Interquartile Range	**WA2 (Week 2)** *Sec 4 Topic:* Chapter 2 and 3 *Lower Sec topics:* Percentage, Fraction, Rate, Ratio and Speed
Week 3	4.3 Box & Whisker Plots	
Week 4 (10th Apr Wed – Hari Raya Puasa)	5.1 Mean (Recap)	
Week 5	**Student Learning Fest**	
Week 6	5.2 Standard Deviation	
Week 7 (1st May Wed - Labour Day)	6.1 Symmetric Properties of Circles	
Week 8	6.2 Angle Properties of Circles	
Week 9	**Revision: Numbers and Algebra** (Textbook) 7.1 Numbers and Percentages 7.3 Algebraic manipulation and formulae	
Week 10 (22nd May Wed – Vesak Day)	**Revision: Numbers and Algebra** (Textbook) 7.4 Equations and inequalities 7.5 Functions and graphs	
June Holiday Assignment (Yearly TYS 2019)		
Term 3	Chapter	Assessment
Week 1	**Revision: Geometry and Measurement** 8.1 Angles, triangles and polygons 8.3 Pythagoras' Theorem and Trigonometry	
Week 2 (1st Jul Mon – Youth Day)	**Revision: Geometry and Measurement** 8.4 Mensuration 8.5 Coordinate Geometry	
Week 3	**Revision: Probability and Statistics** 9.1 Probability 9.2 Statistics	
Week 4	**Revision** 7.2 Proportion, ratio, rate, and speed (TB) 7.6 Graphs in Practical Situations (TB)	Timed Practice *Sec 4* Chap 4, 5, 6 *Lower sec topics:* Number and Algebra
Week 5	**Revision: TYS, Past year papers**	
Week 6 – 8 National Day	**Prelim Exam (Sec 4NT, 4NA)** **24 Jul, 31 Jul to 4 Aug, 14-15 Aug**	**Prelim** **All Sec 1 to 4 topics**

(9th Aug Fri – National Day)		
Week 8-9	**Review of Prelim Exam**	
Week 9-10 (29th Aug Thu - Teachers' Day celeb) (30th Aug Fri -Teachers' Day Celebration)	**Revision for GCE N level** 8.2 Congruence and Similarity (TB) 8.6 Properties of circles (TB) Other schools' paper	
September Holiday Assignment (other school's paper)		
Term 4	**Chapter**	**Assessment**
Week 1	**GCE N Level Written Examination**	
Week 2	**Revision (Yearly TYS)**	
Week 3-4	**GCE N Level Written Examination**	