YISHUN SECONDARY SCHOOL
ELEMENTARY MATHEMATICS
SECONDARY 4 NORMAL ACADEMIC 2020

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 0	0.1: Administration Matters	
Week 1	0.2: Consolidation of Congruence & Similarity	
Week 2	1.1: Angles of Elevation & Depression 1.2: Bearings	
Week 3	1.2: Bearings 1.2: Bearings	Quiz 1: Sec 3: Congruency and similarity Trigo Sec 4 topic 1.1.and 1.2 (Elevation and depression , bearings) TYS topics unit 1
Week 4 (CNY-Mon, Tue)	1.3: Three-Dimensional Problems	
Week 5	1.3: Three-Dimensional Problems	
Week 6	1.3: Three-Dimensional Problems 2.1: Length of Arc 2.2: Area of Sector & Segment	
Week 7	2.3: Radian Measure 2.4: Arc Length & Area of Sector using Radian Measure	WA 1 Sec 4 : Bearing, Trigo 3d problems Sec 3 topics unit 1 Algebraic expressions and formula TYS Unit 2
Week 8	2.4: Arc Length & Area of Sector using Radian Measure 3.1: Sample Space & Events	
Week 9	3.2: Simple Combined Events, Possibility Diagrams & Tree Diagrams 3.3: Addition Law of Probability & Mutually Exclusive Events	
Week 10	3.4: Multiplication Law of Probability & Independent Events	Quiz 2 Sec 4: Arc length and area of the sector (Degree mode), Area of sector and Length of the arc(Radian) Simple Probability Sec 3: Coordinate Geometry, Quadratic equation
March Holiday Assignment		
Term 2	**Chapter**	**Assessment**
Week 1	4.1: Cumulative Frequency Table & Curve 4.2: Median, Quartiles, Percentiles, Range & Interquartile Range	
Week 2	4.2: Median, Quartiles, Percentiles, Range & Interquartile Range 4.3: Box & Whisker Plots	

Week 3 (Good Fri-Fri)	5.1: Mean 5.2: Standard Deviation	WA 4 Sec 4: Cumulative Frequency Pg 103- 138, Probability Sec 3 : Indices and standard form TYS: Unit 3 Mensuration
Week 4	5.2: Standard Deviation 5.2A: Problems in Real-World Context	
Week 5	5.2A: Problems in Real-World Context	Mock Exam
Week 6 (Labour Day-Fri)	**Revision** **Advance Paper (Thurs, Fri)**	
Week 7 – 9 (Vesak Day-Thurs)	**Mid Year Examination and Script Checking**	
Week 10 (Hari Raya Puasa-Mon)	**Values Week**	
June Assignment		
Term 3	**Chapter**	**Assessment**
Week 1	6.1: Symmetric Properties of Circles	
Week 2 (Youth Day, Mon)	6.1: Symmetric Properties of Circles 6.2: Angle Properties of Circles	
Week 3	6.2: Angle Properties of Circles	WA 5 Sec 4: Mean and Standard Deviation, Circle properties Sec 3: Graph of the function and graphical solution Simple arithmetic
Week 4	Revision	
Week 5 (Hari Raya Haji-Fri)	Revision	Mock Exam
Week 6	Revision	
Week 7 (National Day -Mon)	**Preliminary Examination**	
Week 8	**Preliminary Examination**	
Week 9	**Script Checking**	
Week 10 (Teachers' Day Celebration-Thurs, Teachers' Day-Fri)	**Focused Revision**	
September Holiday Assignment		
Term 4	**Chapter**	**Assessment**
Week 1	**GCE N Level Written Examination**	
Week 2-3	**Focused Revision**	
Week 4 -5	**GCE N Level Written Examination**	
Week 6 -10	**GCE O Level Written Examination**	