YISHUN SECONDARY SCHOOL

MATHEMATICS

SECONDARY 1 NORMAL TECHNICAL 2020

Mathematics Curriculum		Key Programmes
In line with the requirements of the NT Mathematics Syllabus, teaching of NT Math at YSS focuses on problem solving skills using Math Modelling, investigations and making connections among mathematical concepts.		EMITS Math and Science Week
Term 1	**Chapter**	**Assessment**
Week 0	Sec 1 Orientation	
Week 1	1.1 - Place Values, number line, prime numbers	
Week 2	1.2 - Addition, Subtraction, Multiplication and Division of Integers	
Week 3	1.3 - Square and Square Root 1.4 - Cube and Cube Root	
Week 4 (CNY-Mon, Tue)	2.1 - Equivalent Fractions	SLS
Week 5	2.2 - Comparing Fractions 2.3 - Conversion of Fractions 2.4 - Addition and Subtraction of Fractions	
Week 6	2.5 - Multiplication of Fractions 2.6 - Division of Fractions 2.7 - Combined operations on Fractions	
Week 7	3.1 - Place Values in Decimals	WA 1 (Chapter 1 and 2)
Week 8	3.2 - Comparing/converting from fractions to decimals; Recurring Decimals 3.3 - Round off Numbers	
Week 9	3.4 - Estimation of results of computation 3.5 - Add, subtract, multiply and divide using calculator	MM - Grocery Estimation
Week 10	4.1 - Simple ratio and equivalent ratio 4.2 - Ratio involving fractions and decimals	
March Holiday Assignment		
Term 2	**Chapter**	**Assessment**
Week 1	4.3 - Word problems involving ratio	
Week 2	5.1 - Converting percentage to fraction/decimal 5.2 - Converting fraction/decimal to percentage	
Week 3 (Good Fri-Fri)	5.3 - Express one quantity as a percentage of another 5.4 - Finding the whole given the percentage 5.5 - Percentage increase or decrease	
Week 4	5.6 - Word problem involving percentage	

Week 5	11.1 - Understanding algebraic expressions; Writing algebraic expressions involving word problem	
Week 6 (Labour Day-Fri)	11.2 - Evaluating algebraic expressions and formula	
Week 7 (Vesak Day-Thurs)	11.3 - Use algebraic expressions to solve number pattern	WA 2 (Chapter 2,3,4,5)
Week 8	6.1 - Angle measurement 6.2 - Types of Angles	
Week 9	6.3 - Properties of Angles	
Week 10 (Hari Raya Puasa-Mon)	6.4 - Solving unknown angles in parallel lines	

June Assignment (Math Modelling/Real-world context)

Term 3	Chapter	Assessment
Week 1	7.1 - Collect and tabulate data 7.2 - Interpret data using tables, pictograms, bar graph, pie chart and line graph	Statistics Project & Presentation
Week 2 (Youth Day, Mon)	7.3 - Analysing statistical diagram	
Week 3	8.1 - Identify line and rotational symmetry ; Create symmetrical figures & patterns 8.2 - State of order of rotational symmetry of symmetrical figures	
Week 4	9.1 - Conversion between 2 units measuring area 9.2 - Area and perimeter of parallelogram 9.3 - Area and perimeter of triangle 9.4 - Area and perimeter of trapezium	
Week 5 (Hari Raya Haji-Fri)	9.5 - Area and perimeter of circles 9.6 - Area and perimeter of composite figures	
Week 6	10.1 - Convert between cm_3, m_3, ml & l 10.2 - Volume of cube and cuboid	
Week 7 (National Day -Mon)	10.3 - Surface area of cube and cuboid 10.4 - Solving problems involving volume and surface area	WA 3 (Chapter 11,6,7,8,9)
Week 8	12.1 - Profit and Loss 12.2 - Hire purchase	
Week 9	12.3 - Household finance	
Week 10 (Teachers' Day Celebration-Thurs, Teachers' Day-Fri)	12.4 - Time zone variation	

September Holiday Assignment (Ace learning)

Term 4	Chapter	Assessment
Week 1	**Revision**	
Week 2	**Revision** **Advance Paper (Thurs)**	

Week 3 -5	**End of Year Examination and Script Checking**
Week 6	**Values Week**