

**YISHUN SECONDARY SCHOOL**

**MATHEMATICS**

**SECONDARY 1 EXPRESS 2020**

<b>Mathematics Curriculum</b>		<b>Key Programmes</b>
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.		EMITS Math Science week
<b>Term 1</b>	<b>Chapter</b>	<b>Assessment</b>
Week 0	Sec 1 Orientation	
Week 1	1.1 Prime Numbers, 1.2 Square Roots and Cube Roots	
Week 2	1.3 HCF and LCM	
Week 3	2.1 Negative Numbers, 2.2 Addition and Subtraction of negative numbers	
Week 4 (CNY-Mon, Tue)	2.3 Multiplication and Division involving negative numbers, 2.4 Fractions, 2.5 Decimals, 2.6 Rational and Real Numbers	
Week 5	3.1 Rounding and Significant Figures 3.2 Approximation, 3.3 Estimation.	
Week 6	4.1 Basic algebraic concepts and notations, 4.2 Addition and subtraction of linear terms, 4.3 Expansion and factorisation of linear expressions	
Week 7	4.4 Linear expressions with fractional coefficients	WA1 (Chapter 1 to 3)
Week 8	5.1 Linear Equations, 5.2 Linear equations with fractional coefficients and fractional equations	
Week 9	5.3 Applications of Linear equations in real-world contexts. 5.4 Mathematical formulae	
Week 10		
<b>March Holiday Assignment (Math Modelling Task)</b>		
<b>Term 2</b>	<b>Chapter</b>	<b>Assessment</b>
Week 1	7.1 Number sequences, 7.2 Number sequences and patterns	
Week 2	8.1 Percentage, 8.2 Percentage change, percentage point and reverse percentage	
Week 3 (Good Fri-Fri)	8.3 Percentage in real-world contexts	
Week 4	9.1 Ratio, 9.2 Rate	
Week 5	9.3 Speed	
Week 6 (Labour Day-Fri)	10.1 Basic geometrical concepts and notations, 10.2 Properties of angles formed by intersecting lines	
Week 7 (Vesak Day-Thurs)	10.3 Properties of angles formed by two parallel lines and a transversal	WA2 (Chapter 4,5,7,8)
Week 8	11.1 Triangles, 11.2 Quadrilaterals	

Week 9	11.3 Geometrical constructions of triangles and quadrilaterals	
Week 10 (Hari Raya Puasa-Mon)		

**June Assignment (Statistics Project)**

<b>Term 3</b>	<b>Chapter</b>	<b>Assessment</b>
Week 1	11.4 Polygons	
Week 2 (Youth Day, Mon)	14.1 Frequency table, 14.2 Pictograms, 14.3 Bar graphs,	
Week 3	14.4 Pie charts, 14.5 Line graphs	
Week 4	14.6 Evaluation of Statistical representations, 14.7 Statistical investigation	
Week 5 (Hari Raya Haji-Fri)	6.1 Cartesian Coordinates, 6.2 Functions	
Week 6	6.3 Linear Functions, 6.4 Applications of linear graphs in real-world contexts	
Week 7 (National Day -Mon)	12.1 Conversion of units, 12.2 Perimeter and area of basic plane figures	WA3 (Chapter 9,10, 11, 14)
Week 8	12.3 Perimeter and area of parallelograms, 12.4 Perimeter and area of trapeziums	
Week 9	13.1 Conversion of units, 13.2 Three-dimensional solids, 13.3 Volume and Surface area of cubes and cuboids	
Week 10 (Teachers' Day Celebration-Thurs, Teachers' Day-Fri)	13.4 Volume and Surface area of prisms, 13.5 Volume and Surface area of cylinders, 13.6 Volume and Surface area of composite solids	

**September Holiday Assignment (Ace learning)**

<b>Term 4</b>	<b>Chapter</b>	<b>Assessment</b>
Week 1		<b>Revision</b>
Week 2		<b>Revision</b> <b>Advance Paper (Thurs)</b>
Week 3 -5		<b>End of Year Examination and Script Checking</b>
Week 6		<b>Values Week</b>