

**YISHUN SECONDARY SCHOOL**  
**MATHEMATICS**  
**SECONDARY 2 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.		
<b>Term 1</b>	<b>Chapter</b>	<b>Assessment</b>
Week 0	Introduction and Target setting	
Week 1	Chapter 1: Direct and inverse proportion	
Week 2	Algebraic and graphical representation of direct and inverse proportion.	
Week 3	Chapter 2: Linear Graph and simultaneous equation. Solving linear equation by substitution method	
Week 4 (CNY-Mon, Tue)	Solving equation by elimination method, word problem related to the simultaneous equation.	
Week 5	Chapter 3: Quadratic expression addition, subtraction and simplification	
Week 6	Expansion of the quadratic expression and Factorisation of the quadratic expression	
Week 7	Chapter 4: Expansion and Factorisation of algebraic expression	WA1(Chaper 1 to 3)
Week 8	Expansion of special algebraic identity, factorisation using special identity	
Week 9	Chapter 5: Solving quadratic equation by factorisation method	
Week 10	Application question on Quadratic equation	
<b>March Holiday Assignment (Combined worksheet on chapter 1 to 5)</b>		
<b>Term 2</b>	<b>Chapter</b>	<b>Assessment</b>
Week 1	Graph of the quadratic equation	
Week 2	Chapter 6: Algebraic fraction and formulae multiplication and division of the algebraic fractions.	
Week 3 (Good Fri-Fri)	Multiplication and division of the algebraic fraction. Manipulation of Algebraic Formulae	
Week 4	Chapter 7: Congruence and Similarity. Congruent figures, similar figures, enlargement and scale drawing.	
Week 5	Chapter 8 : Pythagoras' Theorem	
Week 6 (Labour Day-Fri)	Cont. Pythagoras application question	
Week 7 (Vesak Day-Thurs)	WA2 Revision and test	WA2(Ch 4-7)
Week 8	Go through the WA1 papers	
Week 9	Sec 2 Jollie presentation	
Week 10 (Hari Raya Puasa-Mon)	Leadership workshop Module 2	
<b>June Assignment (Statistic Poster)</b>		
<b>Term 3</b>	<b>Chapter</b>	<b>Assessment</b>

Week 1	Chapter 8: Applications of Pythagoras' Theorem in Real-World Contexts and converse of the Pythagoras' Theorem.	
Week 2 (Youth Day, Mon)	Chapter 9: Trigonometric Ratios,Applications of Trigonometric Ratios to Find Unknown Sides of Right-Angled Triangles	
Week 3	Applications of Trigonometric Ratios to Find Unknown Angles in Right-Angled Triangles.Applications of Trigonometric Ratios in Real-World Contexts	ArithmetEQ competition
Week 4	Chapter 10: Volume and Surface Area of Pyramids	
Week 5 (Hari Raya Haji-Fri)	Volume and surface area of the cone and sphere	
Week 6	Volume and surface area of the composite figures.	
Week 7 (National Day -Mon)	Chapter 11: Probability. Probability of single event, Sample space,Further examples of the probability.	WA3(Ch 8-11)
Week 8	Chapter 12: Statistical diagram.Dot diagram, Stem-Leaf diagram and histogram of grouped and ungrouped data	
Week 9	Chapter 13: Averages of the statistical data Mean , Median and mode	
Week 10 (Teachers' Day Celebration-Thurs, Teachers' Day-Fri)		
September Holiday Assignment( Other School Question paper)		
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	