

**Peicai Secondary School**  
**Subject Overview for Semester 1 / 2023**  
**Mathematics [Secondary One (Express)]**

Semester 1			
Term 1 [3 Jan – 10 Mar]			
Week	Chapter/Topic/Skill/Area	Assignment/Homework	Weighted Assessment
<b>Week 1</b> [2 Jan – 6 Jan]	<b>Start Smart Program</b>		
<b>Week 2</b> [9 Jan – 13 Jan]	<b>Start Smart Program</b>		
<b>Week 3</b> [16 Jan – 20 Jan]  <i>CNY celebrations 20 Jan</i>	<b>Chapter 1</b> <b>Factors and Multiples</b>  1.1 Primes, Prime Factorisation and Index Notation 1.2 Highest Common Factor	Ex 1.1 and 1.2 selected questions	
<b>Week 4</b> [23 Jan – 27 Jan]  <i>CNY 23 &amp; 24 Jan</i>	<b>Chapter 1</b> <b>Factors and Multiples</b>  1.3 Least Common Multiple 1.4 Square Roots and Cube Roots	Ex 1.3 and 1.4 selected questions	
<b>Week 5</b> [30 Jan – 3 Feb] 1 Feb – HBL #1	<b>Chapter 1</b> <b>Factors and Multiples</b>  1.3 Least Common Multiple 1.4 Square Roots and Cube Roots	Ex 1.3, 1.4 and Review Ex 1 selected questions	
<b>Week 6</b> [6 Feb – 10 Feb]	<b>Chapter 2</b> <b>Real Numbers</b>  2.1 Concept of Negative Numbers and the Number Line 2.2 Addition and Subtraction of Integers 2.3 Multiplication, Division and Combined Operations of Integers	Ex 2.1, 2.2 and 2.3 selected questions	
<b>Week 7</b> [13 Feb – 17 Feb] 15 Feb – HBL #2	<b>WA1 Revision</b>	WA1 Revision WS Chapter 1: Factors and Multiples Chapter 2: Real Numbers (2.1 – 2.3)	<b>WA1</b>
<b>Week 8</b> [20 Feb – 24 Feb]	<b>Chapter 2</b> <b>Real Numbers</b>  2.4 Rational Numbers, Irrational numbers and Real Numbers	Ex 2.4 and 2.5 selected questions	

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	2.5 Operations on Real Numbers		
<b>Week 9</b> [27 Feb – 3 Mar] 1 Mar – HBL #3	<b>Chapter 3</b> <b>Approximation and Estimation</b>  3.1 Rounding off Numbers to Specified Decimal Places 3.2 Rounding off Numbers to Specified Significant Figures 3.3 Estimation	Ex 3.1, 3.2 and 3.3 selected questions	
<b>Week 10</b> [6 Mar – 10 Mar]	<b>Chapter 4</b> <b>Basic Algebra and Algebraic Manipulations</b>  4.1 Introduction to Algebra 4.2 Simplification of Linear Expressions	Ex 4.1 and 4.2 selected question	
Term 2 [20 Mar – 26 May]			
<b>Week 1</b> [20 Mar – 24 Mar] 22 Mar – HBL #4	<b>Chapter 4</b> <b>Basic Algebra and Algebraic Manipulations</b>  4.3 Expansion of Linear Expressions	Ex 4.3 selected questions	
<b>Week 2</b> [27 Mar – 31 Mar]	<b>Chapter 4</b> <b>Basic Algebra and Algebraic Manipulations</b>  4.4 Factorisation of Algebraic Expressions	Ex 4.4 and Review Ex 4 selected questions	
<b>Week 3</b> [3 Apr – 7 Apr]  <i>Good Friday 7 Apr</i> 5 Apr – HBL #5	<b>Chapter 5</b> <b>Simple Equations in One Variable</b>  5.1 Simple Linear Equations 5.2 Linear Equations Involving Brackets	Ex 5.1 and 5.2 selected questions	
<b>Week 4</b> [10 Apr – 14 Apr]	<b>Chapter 5</b> <b>Simple Equations in One Variable</b>  5.3 Simple Fractional Equations 5.4 Formulate Linear Equations to Solve Word Problems	Ex 5.3 and 5.4 selected questions	

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<b>Week 5</b> [17 Apr – 21 Apr]  19 Apr – HBL #6	<b>Chapter 5</b> <b>Simple Equations in One Variable</b>  5.3 Simple Fractional Equations 5.4 Formulate Linear Equations to Solve Word Problems	Ex 5.3, 5.3 and Review Ex 5 selected questions	
<b>Week 6</b> [24 Apr – 28 Apr]  <i>Hari Raya Puasa 24 Apr</i>	<b>Chapter 6</b> <b>Angles and Parallel Lines</b>  6.1 Points, Lines and Planes 6.2 Angles	Ex 6.1 and 6.2 selected questions	
<b>Week 7</b> [1 May – 5 May]  <i>Labour Day 1 May</i> 3 May – HBL #7	<b>Chapter 6</b> <b>Angles and Parallel Lines</b>  6.3 Parallel Lines and Transversals	Ex 6.3 and Review Ex 6 selected questions	
<b>Week 8</b> [8 May – 12 May]	<b>WA2 Revision</b>	WA2 Revision WS Chapter 4: Basic Algebra and Algebraic Manipulations Chapter 5: Simple Equations in One Variable Chapter 6: Angles and Parallel Lines	<b>WA2</b>
<b>Week 9</b> [15 May – 19 May] 17 May – HBL #8	<b>Chapter 7</b> <b>Triangles, Quadrilaterals and Other Polygons</b>  7.1 Triangles 7.2 Quadrilaterals	Ex 7.1 and 7.2 selected questions	
<b>Week 10</b> [22 May – 26 May]	<b>Chapter 7</b> <b>Triangles, Quadrilaterals and Other Polygons</b>  7.3 Polygons 7.4 Construction of Triangles and Quadrilaterals	Ex 7.3, 7.4 and Review Ex 7 selected questions	

*\*The subject overview is tentative and is subject to changes.*