

**Peicai Secondary School**  
**Subject Overview for Semester 1 / 2023**  
**Additional Mathematics [Secondary Three (NA)]**

Semester 1			
Term 1 [3 Jan – 10 Mar]			
Week	Chapter/Topic/Skill/Area	Assignment/ Homework	Weighted Assessment
Week 1 [2 Jan – 6 Jan]	Start Smart Level Programme		
Week 2 [9 Jan – 13 Jan]	Start Smart Level Programme		
Week 3 [16 Jan – 20 Jan]	<ul style="list-style-type: none"> <li>• 3.1 Manipulating Surds</li> </ul>	Ex 3.1	
Week 4 [23 Jan – 27 Jan] <i>22 &amp; 23 Jan – Chinese New Year 24 Jan Public Holiday</i>	<ul style="list-style-type: none"> <li>• 3.1 Manipulating Surds</li> </ul>	Ex 3.1 TYS	
Week 5 [30 Jan – 3 Feb] <a href="#">HBL #1 [1 Feb]</a>	<ul style="list-style-type: none"> <li>• 3.2 Solving Equations Involving Surds</li> <li>• Chapter 3 Consolidation</li> </ul>	Ex 3.2 Review Ex TYS	
Week 6 [6 Feb – 10 Feb]	<ul style="list-style-type: none"> <li>• 4.1 Polynomials and Identities</li> </ul>	Ex 4.1	
Week 7 [13 Feb – 17 Feb] <a href="#">HBL #2 [15 Feb]</a>	<ul style="list-style-type: none"> <li>• 4.1 Polynomials and Identities</li> </ul>	Ex 4.1 TYS	
Week 8 [20 Feb – 24 Feb]	<ul style="list-style-type: none"> <li>• 4.2 The Remainder and Factor Theorems</li> <li>• WA1 Revision</li> </ul>	Ex 4.2 TYS	
Week 9 [27 Feb – 3 Mar] <a href="#">HBL #3 [1 Mar]</a>	<ul style="list-style-type: none"> <li>• 4.3 Cubic Polynomials and Equations</li> <li>• WA1</li> </ul>	Ex 4.3 TYS	<b>Weighted Assessment 1 (WA1)</b> Paper duration: 1 h Total marks: 40
Week 10 [6 Mar – 10 Mar]	<ul style="list-style-type: none"> <li>• 4.4 Partial Fractions</li> <li>• Chapter 4 Consolidation</li> </ul>	Ex 4.4 TYS	

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Term 2 [20 Mar – 26 May]			
Week	Chapter/Topic/Skill/Area	Assignment/ Homework	Weighted Assessment
Week 1 [20 Mar – 24 Mar] HBL #4 [22 Mar]	<ul style="list-style-type: none"> <li>1.1 Maximum and Minimum Values</li> <li>1.2 Graphical Representation of Quadratic Functions</li> </ul>	Ex 1.1 Ex 1.2 TYS	
Week 2 [27 Mar – 31 Mar]	<ul style="list-style-type: none"> <li>1.3 Applications of Quadratic Functions</li> </ul>	Ex 1.3 TYS	
Week 3 [3 Apr – 7 Apr] HBL #5 [5 Apr] <i>7 Apr – Good Friday</i>	<ul style="list-style-type: none"> <li>2.1 Simultaneous Equations</li> <li>2.2 Nature of Roots of a Quadratic Equation</li> </ul>	Ex 2.1 Ex 2.2 TYS	
Week 4 [10 Apr – 14 Apr]	<ul style="list-style-type: none"> <li>2.3 Quadratic Inequalities</li> </ul>	Ex 2.3	
Week 5 [17 Apr – 21 Apr] HBL #6 [19 Apr]	<ul style="list-style-type: none"> <li>Revisit Chapter 3 and 4 (questions involving solving quadratic equations)</li> <li>Chapter 2 Consolidation</li> </ul>	Review Ex TYS	
Week 6 [24 Apr – 28 Apr] <i>22 Apr – Hari Raya Puasa</i> <i>24 Apr School Holiday</i>	<ul style="list-style-type: none"> <li>7.1 Parallel Lines</li> </ul>	Ex 7.1 TYS	<b>Weighted Assessment 2 (WA2)</b> <b>Alternative Assessment</b>
Week 7 [1 May – 5 May] HBL #7 [3 May] <i>1 May – Labour Day</i> <i>3 Jul School Holiday</i>	<ul style="list-style-type: none"> <li>7.2 Perpendicular Lines</li> </ul>	Ex 7.2 TYS	
Week 8 [8 May – 12 May]	<ul style="list-style-type: none"> <li>WA2 / Alternative Assessment</li> <li>7.3 Midpoint of a Line Segment</li> <li>7.4 Areas of Triangle and Quadrilaterals</li> </ul>	Ex 7.3 Ex 7.4 TYS	
Week 9 [15 May – 19 May] HBL #8 [17 May]	<ul style="list-style-type: none"> <li>Chapter 7 Consolidation</li> <li>8.1 Equation of Circle</li> </ul>	Ex 8.1 TYS	
Week 10 [22 May – 26 May]	<ul style="list-style-type: none"> <li>8.1 (Continue) Equation of Circle</li> <li>Chapter 8 Consolidation</li> </ul>	Ex 8.1 Review Ex TYS	

The subject overview is tentative and is subject to changes.