

**Peicai Secondary School**  
**Subject Overview for Semester 2 / 2023**  
**Additional Mathematics [Secondary Three Express]**

<b>Term 3 [26 June – 1 September]</b>			
<b>Week</b>	<b>Chapter/Topic/Skill/Area</b>	<b>Assignment/Homework</b>	<b>Weighted Assessment</b>
<b>Week 1</b> [26 Jun - 30 Jun] <i>29 Jun - Hari Raya Haji</i>	<b>Chapter 8 Circles</b> <ul style="list-style-type: none"> <li>8.1a Equation of Circles</li> <li>8.1b Tangents of Circles</li> </ul>	Textbook Ex 8.1 Q8, 12, -16, 19, 21, 22, 28	
<b>Week 2</b> [3 Jul - 7 Jul] <i>3 Jul - Youth Day Holiday</i>	<i>Sec 3 OBS</i> <i>Term 3 Week 2</i>		
<b>Week 3</b> [10 Jul - 14 Jul] <i>12 Jul - HBL</i>	<b>Chapter 9 Applications of Straight-Line Graphs</b> <ul style="list-style-type: none"> <li>9.1 Transforming Equations to Linear Form</li> </ul>	Textbook Ex 9.1 Q4b, c, 5a, 9, 11, 13, 17	
<b>Week 4</b> [17 Jul – 21 Jul]	<b>Chapter 9 Applications of Straight-Line Graphs</b> <ul style="list-style-type: none"> <li>9.2 Non-linear Equations and the Graphs of Their Corresponding Linear Forms</li> </ul>	Worksheet	
<b>Week 5</b> [24 Jul – 28 Jul] <i>26 Jul - HBL</i>	<b>Chapter 6 Binomial Theorem</b> <ul style="list-style-type: none"> <li>6.1 Binomial Expansion of <math>(1 + b)^n</math></li> </ul>	Worksheet	
<b>Week 6</b> [31 Jul – 4 Aug] <i>1 Aug to 4 Aug – WA3</i>	<b>Chapter 6 Binomial Theorem</b> <ul style="list-style-type: none"> <li>6.2 Binomial Expansion of <math>(a + b)^n</math></li> </ul>	Textbook Ex 6.2 Q4, 5, 9, 10, 12, 13, 16, 22	
<b>Week 7</b> [7 Aug – 11 Aug] 8 to 10 Aug - National Day Commemoration & Holiday	<b>Revision for WA3</b>	<ul style="list-style-type: none"> <li>Topical Worksheets for Chapter 5, 7 to 9.</li> <li>Past year WA3 papers.</li> </ul>	-

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<p style="text-align: center;">Week 8 [14 Aug – 18 Aug] <i>14 Aug to 18 Aug – WA3</i></p>	<p style="text-align: center;"><b>Revision + WA3</b></p>	<p style="text-align: center;">Past year WA3 papers.</p>	<p style="text-align: center;"><b>Weighted Assessment 3</b> Topics: Chapter 5 Logarithmic and Exponential Functions Chapter 7 Coordinate Geometry Chapter 8 Circles Chapter 9 Linear Law</p>
<p style="text-align: center;">Week 9 [21 Aug – 25 Aug] <i>23 Aug – HBL</i></p>	<p style="text-align: center;"><b>Error Analysis</b></p> <p style="text-align: center;"><b>Chapter 10 Trigonometric Functions</b></p> <ul style="list-style-type: none"> <li>• 10.1 Trigonometric Functions of Angles</li> </ul>	<p style="text-align: center;">Textbook Ex 10.1 Q1, 2, 4, to 13, 16-20</p>	
<p style="text-align: center;">Week 10 [28 Aug – 1 Sep] 31 Aug &amp; 1 Sep - Teachers' Day Celebration &amp; holiday</p>	<p style="text-align: center;"><b>Chapter 10 Trigonometric Functions</b> 10.2 Graphs of Trigonometric Functions</p>	<p style="text-align: center;">Worksheet</p>	

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<b>Term 4 [11 September – 27 October]</b>			
<b>Week</b>	<b>Chapter/Topic/Skill/Area</b>	<b>Assignment/Homework</b>	<b>Weighted Assessment</b>
Week 1 [11 Sep – 15 Sep]	<b>Chapter 11 Trigonometric Identities and Equations</b> <ul style="list-style-type: none"> <li>11.1 Simple Trigonometric Identities</li> </ul>	Worksheet Textbook Ex 11.1 Q 7a, c, d, e, 10	
Week 2 [18 Sep – 22 Sep]	<b>Chapter 11 Trigonometric Identities and Equations</b> <ul style="list-style-type: none"> <li>11.2 Solving Trig Eqns</li> </ul>	Textbook Ex 11.2 Q 3, 6, 7, 9, 11	
Week 3 [25 Sep – 29 Sep]	<b>Revision for EOY</b> <ul style="list-style-type: none"> <li>Past Year Sec 3 EOY AMath Papers</li> <li>Topical Revision Worksheets</li> </ul>	Practice Papers and Worksheets	
Week 4 [2 Oct – 6 Oct]	<b>EOY Examinations</b>		<b>EOY</b>  Paper: 90 marks 2 hours 15 mins
Week 5 [9 Oct – 13 Oct]	<b>EOY Examinations</b>		
Week 6 [16 Oct – 20 Oct]	<b>Error Analysis</b>		
Week 7 [23 Oct – 27 Oct]	<b>Post Exam Activities</b>		<b>Holiday Assignment:</b> Other Schools' EOY Sec 3 AMath papers

The subject overview is tentative and is subject to changes.