

Peicai Secondary School
Subject Overview for Semester 2 / 2022
Mathematics [Secondary Three (NA)]

Semester 2			
Term 3 [27 June – 2 September]			
Week	Chapter/Topic/Skill/Area	Assignment/Homework	Weighted/Unweighted Assessment
Week 1 [27 Jun - 1 Jul]	<u>Chapter 4 Indices:</u> 4.5 Standard Form 4.6 Application of Indices to Compound Interest	Textbook 3A Pg 143: Selected questions from Practice Exercise 4.5 Textbook Pg 151: Selected questions from Practice Exercise 4.6	
Week 2 [4 Jul - 8 Jul] <i>4 Jul - Youth Day Holiday</i> <i>7 Jul – HBL</i>	<u>Chapter 5 Congruence and Similarity:</u> 5.1 Enlargement and Reduction of a Plane Figure 5.2 Problems Involving Congruence and Similarity 5.3 Perpendicular Bisectors, Angle Bisectors and Scale Drawings	Textbook 3A Pg 162: Selected questions from Practice Exercise 5.1 Textbook 3A Pg 169: Selected questions from Practice Exercise 5.2 Textbook 3A Pg 187: Selected questions from Practice Exercise 5.3	
Week 3 [11 Jul - 15 Jul] <i>11 Jul - Hari Raya Haji</i>	<u>Chapter 6 Coordinate Geometry:</u> 6.1 Gradient of a Straight Line 6.2 Equation of a Straight Line <u>Chapter 6 Coordinate Geometry:</u> 6.3 Length of a Line Segment	Textbook 3B Pg 8: Selected questions from Practice Exercise 6.1 Textbook 3B Pg 14: Selected questions from Practice Exercise 6.2 Textbook 3B Pg 21: Selected questions from Practice Exercise 6.3	

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<p style="text-align: center;">Week 4 [18 Jul - 22 Jul] <i>20 Jul – HBL</i></p>	<p><u>Chapter 6 Coordinate Geometry:</u></p> <p>6.4 Geometric Problems Involving the Use of Coordinates</p>	<p>Textbook 3B Pg 27: Selected questions from Practice Exercise 6.4</p>	
<p style="text-align: center;">Week 5 [25 Jul - 29 Jul]</p>	<p><u>Chapter 7 Functions and Graphs:</u></p> <p>7.1 Graphs of Power Functions 7.2 Graphs of Exponential Functions 7.3 Gradients of Curve</p>	<p>Textbook 3B Pg 43: Selected questions from Practice Exercise 7.1</p> <p>Textbook 3B Pg 53: Selected questions from Practice Exercise 7.2</p> <p>Textbook 3B Pg 57: Selected questions from Practice Exercise 7.3</p>	
<p style="text-align: center;">Week 6 [1 Aug - 5 Aug] <i>1 Aug – HBL</i></p>	<p>Revision 1 for Weighted Assessment 3 (WA3)</p> <p>Revision 2 for Weighted Assessment 3 (WA3)</p>		
<p style="text-align: center;">Week 7 [8 Aug - 12 Aug] <i>8 Aug – National Day Celebration</i> <i>9 Aug – National Day</i> <i>10 Aug – School Holiday</i></p>	<p>Revision 3 for Weighted Assessment 3 (WA3)</p> <p>Weighted Assessment 3 (WA3)</p>		<p><u>12 August (Friday) WA3:</u> Chapter 2: Quadratic Equations Chapter 4: Indices Chapter 5: Congruence and Similarity Chapter 6: Coordinate Geometry Chapter 7: Functions and Graphs</p>
<p style="text-align: center;">Week 8 [15 Aug - 19 Aug]</p>	<p>Error Analysis</p>		

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	<u>Chapter 7 Functions and Graphs:</u> 7.4 Graphs of Simple Sums of Power Functions	Textbook 3B Pg 64: Selected questions from Practice Exercise 7.4	
Week 9 [22 Aug - 26 Aug] <i>23 Aug – HBL</i>	<u>Chapter 7 Functions and Graphs:</u> 7.4 Graphs of Simple Sums of Power Functions 7.5 Graphs in Practical Situations <u>Chapter 8 Trigonometric Ratios:</u> 8.1 Trigonometric Ratios of Acute Angles	Textbook 3B Pg 64: Selected questions from Practice Exercise 7.4 Textbook 3B Pg 87: Selected questions from Practice Exercise 7.5 Textbook 3B Pg 127: Selected questions from Practice Exercise 8.1	
Week 10 [29 Aug - 2 Sep] <i>1 Sep – Teachers' Day Celebration</i> <i>2 Sep – Teachers' Day</i>	<u>Chapter 8 Trigonometric Ratios:</u> 8.2 Applications of Trigonometric Ratios in Real-world Contexts <u>Chapter 9 Further Trigonometry:</u> 9.1 Sine and Cosine of Obtuse Angles	Textbook 3B Pg 137: Selected questions from Practice Exercise 8.2 Textbook 3B Pg 152: Selected questions from Practice Exercise 9.1	

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Term 4 [12 September – 28 October]			
Week	Chapter/Topic/Skill/Area	Assignment/Homework	Weighted/Unweighted Assessment
Week 1 [12 Sep - 16 Sep]	<u>Chapter 9 Further Trigonometry:</u> 9.2 Formula for the Area of a Triangle 9.3 The Sine Rule	Textbook 3B Pg 161: Selected questions from Practice Exercise 9.2 Textbook 3B Pg 169: Selected questions from Practice Exercise 9.3	
Week 2 [19 Sep - 23 Sep]	<u>Chapter 9 Further Trigonometry:</u> 9.4 The Cosine Rule Revision for End-of-Year Exam	Textbook 3B Pg 178: Selected questions from Practice Exercise 9.4	
Week 3 [26 Sep - 30 Sep]	End-of-Year Exam		End of Year Paper 1: 1h 30 mins, 60 marks Paper 2: 2h. 60 marks
Week 4 [3 Oct - 7 Oct] <i>7 Oct – Marking Day</i>	End-of-Year Exam		
Week 5 [10 Oct - 14 Oct]	Error Analysis		
Week 6 [17 Oct - 21 Oct]	Error Analysis		
Week 7 [24 Oct - 28 Oct] <i>24 Oct – Deepavali</i> <i>28 Oct – Recognition Day</i>	Post-Exam Activities	Holiday Assignments (Revision Papers)	

The subject overview is tentative and is subject to changes.