

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

Semester 2			
Term 3 [27 June – 2 September]			
Week	Chapter/Topic/Skill/Area	Assignment/ Homework	Weighted Assessment
Week 1 [27 Jun – 1 Jul]	Chapter 8: Circles 8.1 Equations of circles (SDL) Chapter 5: Exponential & Logarithm 5.1 Exponential Equations 5.2 Graphs and Applications of Exponential Functions.	Ex 8.1 & TYS worksheet (SDL) Ex 5.1 Ex 5.2	
Week 2 [4 Jul – 8 Jul] <i>4 Jul – Youth Day Holiday</i> HBL (7 Jul)	Chapter 5: Exponential & Logarithm 5.3 Logarithm 5.4 Logarithmic Equations 5.5 Graphs and applications of logarithmic functions	Ex 5.3 Ex 5.4 Ex 5.5	
Week 3 [11 Jul – 15 Jul] <i>11 Jul – Hari Raya Haji</i>	Chapter 9: Applications of Straight Line Graphs 9.1 Transforming Equations to linear form 9.2 Non-linear Equations and the Graphs of their corresponding linear forms	Ex 9.1 Ex 9.2	
Week 4 [18 Jul – 22 Jul] HBL (20 Jul)	Chapter 10: Trigonometric functions 10.1 Trigonometric Functions of Angles 10.2 Graphs of Trigonometric Functions	Ex 10.1 Ex10.2	
Week 5 [25 Jul – 29 Jul]	Chapter 11: Trigonometric Identities & Equations 11.1 Simple Trigonometric Identities 11.2 Solving Trigonometric Equations	Ex 11.1 Ex 11.2	
Week 6 [1 Aug – 5 Aug] HBL (1 Aug)	Chapter 11: Trigonometric Identities & Equations 11.3 Addition Formulae 11.4 Double Angle Formulae	Ex 11.3 Ex 11.4	
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>	Revision for Weighted Assessment 3 (WA3) Chapter 5: Exp & Log Functions Chapter 7: Coordinate Geometry Chapter 8: Circles	<u>Revision</u> Chapter 5: Exp & Log Functions Chapter 7: Coordinate Geometry Chapter 8: Circles	

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Week 8 [15 Aug - 19 Aug]	<u>Revision</u> Chapter 9: Applications of Straight Line Graphs	<u>Revision</u> Chapter 9: Applications of Straight Line Graphs	Topics: Chp 5, 7, 8 and 9 Weighted Assessment 3 (WA3) <ul style="list-style-type: none"> • 7 to 9 short questions • Paper duration: 1 h • Total marks: 40 Curriculum Time: Revision
Week 9 [22 Aug - 26 Aug] HBL (23 Aug)	WA3 Error Analysis Chapter 11: Trigonometric Identities & Equations 11.5 R-Formulae	WA3 Corrections Ex 11.4 Ex 11.5	
Week 10 [29 Aug - 2 Sep] <i>1 Sep – Teachers' Day Celebration</i> <i>2 Sep – Teachers' Day</i>	Chapter 11: Trigonometric Identities & Equations 11.6 Applications of Trigonometric Functions	 Ex 11.6	

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Term 4 [12 September – 28 October]			
Week	Chapter/Topic/Skill/Area	Assignment/Homework	Weighted Assessment
Week 1 [12 Sep - 16 Sep]	Revision Peicai Sec 3E EOY Exam 2021 Other schools EOY Exam 2021 papers	Peicai Sec 3E EOY Exam 2021 Other schools EOY Exam 2021 papers	
Week 2 [19 Sep – 23 Sep]	Revision Other schools EOY Exam 2021 papers	Revision Other schools EOY Exam 2021 papers	
Week 3 [26 Sep - 30 Sep]	End-of-Year Exam	Book 3A: Chapter 1 to Chapter 11	End of year exam <ul style="list-style-type: none"> • Paper duration: 2h • Total marks: 80
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	Chapter 12: Differentiation 12.1 The Derivative & Its Basic Rules 12.2: The Chain Rule 12.3 The Product Rule 12.4 The Quotient Rule [Self-directed asynchronous Learning] Google Classroom	

The subject overview is tentative and is subject to changes.