

Peicai Secondary School
Subject Overview for Semester 2 / 2022
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 5: Functions & Graphs 5.5 Graphs in Practical Situation Chapter 6: Conditions of Congruence & Similarity 6.5 Perpendicular bisectors, angle bisectors & scale drawings (SDL)	Ex 5.5 Formative Assessment on Ex 6.5	
Week 2 [4 Jul - 8 Jul] <i>4 Jul - Youth Day Holiday</i> HBL (7 Jul)	Chapter 6: Conditions of Congruence & Similarity 6.1 Congruence Test 6.2 Similarity Test 6.3 Ratio of Areas of similar Plane figures	Ex 6.1 Ex 6.2 Ex 6.3	
Week 3 [11 Jul - 15 Jul] <i>11 Jul - Hari Raya Haji</i>	Chapter 6: Conditions of Congruence & Similarity 6.4 Ratio of Volumes of similar solids Chapter 7: Trigonometry 7.1 Sine and Cosine Ratios of Obtuse Angles	Ex 6.4 Ex 7.1	
Week 4 [18 Jul - 22 Jul] HBL (20 Jul)	Chapter 7: Trigonometry 7.2 Formula for area of a triangle 7.3 The Sine Rule 7.4 The Cosine Rule	Ex 7.2 Ex 7.3 Ex 7.4	
Week 5 [25 Jul - 29 Jul]	Chapter 8: Applications of Trigonometry 8.1 Bearing Problems 8.2 Angles of elevation & Depression 8.3 Simple 3D Problems	Ex 8.1 Ex 8.2 Ex 8.3	
Week 6 [1 Aug - 5 Aug] HBL (1 Aug)	Revision for Weighted Assessment 3 (WA3)	<u>Revision</u> Chapter 3: Indices Chapter 4: Coordinate Geometry Chapter 5: Functions & Graphs Chapter 6: Conditions of Congruence & Similarity	
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)	<u>Revision</u> Chapter 7: Trigonometry Chapter 8: Applications of Trigonometry	WA 3 [12 August, 0800 – 0900] Weighted Assessment 3 (WA3) <ul style="list-style-type: none"> • 12 to 15 short questions • Paper duration: 1 h • Total marks: 40 Curriculum Time: Revision
Week 8 [15 Aug - 19 Aug]	WA3 Error Analysis Chapter 9: Arc Lengths, sector areas & Radian Measure	WA3 Corrections	

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	9.1 Arc lengths 9.2 Sector Areas and Segment Areas	Ex 9.1 Ex 9.2	
Week 9 [22 Aug - 26 Aug]	Chapter 9: Arc Lengths, sector areas & Radian Measure 9.3 Radian Measure 9.4 Arc Length & Sector Area in Radian Measure	Ex 9.3 Ex 9.4 HBL (23 Aug)	
Week 10 [29 Aug - 2 Sep] <i>1 Sep – Teachers’ Day Celebration</i> <i>2 Sep – Teachers’ Day</i>	Chapter 10: Properties of Circles 10.1 Chords 10.2 Angles at the Circumference 10.3 Angles in the same segment and opposite segments (SDL)	Ex 10.1 Ex 10.2 Ex 10.3	

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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]	Chapter 10: Properties of Circles 10.4 Tangents to a circle	Ex 10.4	
Week 2 [19 Sep – 23 Sep]	Revision for End-of-Year Exam	Chapter 1 to Chapter 9	
Week 3 [26 Sep - 30 Sep]	End-of-Year Exam	Topics assessed: Chapter 1 to Chapter 9	End of year exam Paper 1 Paper duration: 2h 15 min Total marks: 90 Paper 2 Paper duration: 2h 15 min Total marks: 90
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 homework: Ten Years Series	

The subject overview is tentative and is subject to changes.