Peicai Secondary School
Subject Overview for Semester 1 2023
Mathematics | Secondary 4 | Normal (Academic)

Term 1 (3 January – 10 March)			
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 20/1 – CNY Celebration	Chapter 1: Applications of Trigonometry • 1.1 Bearing Problems • 1.2 Angles of Elevation and Depression	• Ex 1.1 • Ex 1.2	
Week 4 23/1 – 24/1 CNY	Chapter 1: Applications of Trigonometry • 1.3 Simple 3D Problems	• Ex 1.3 • TYS	
Week 5 1/2 - HBL	Chapter 2: Arc Lengths, Sector Areas and Radian Measure • 2.1 Arc Lengths • 2.2 Sector Areas and Segment Areas	• Ex 2.1 • Ex 2.2	
Week 6	Chapter 2: Arc Lengths, Sector Areas and Radian Measure • 2.3 Radian Measure • 2.4 Arc Lengths and Sector Areas in Radian Measure	• Ex 2.3 • Ex 2.4 • TYS	
Week 7	Chapter 3: Data Analysis – Measures of Spread • 3.1 Cumulative Frequency Diagrams • 3.2 Range, Quartiles, Interquartile Range and Percentiles	• Ex 3.1 • Ex 3.2	
Week 8	• Revision for WA1	• TYS • Past Year PCSS WA Papers • Other school Exam Papers	
Week 9	• Error Analysis for WA1 Chapter 3: Data Analysis – Measures of Spread • 3.3 Box-and-Whisker Plots	• Ex 3.3	WA1 2 hours 70 marks

| Week 10 | Chapter 3: Data Analysis – Measures of Spread
• 3.4 Standard Deviation For Ungrouped Data
• 3.5 Standard Deviation for Grouped Data | • Ex 3.4
• Ex 3.5
• TYS | |

Term 2 (20 March – 26 May)			
Week	**Chapter/Topic/Skill/Area**	**Assignment/ Homework**	**Weighted Assessment**
Week 1 22/3 – HBL	Chapter 4: Probability • 4.1 Probability of Combined Events	• Ex 4.1	
Week 2	Chapter 4: Probability • 4.2 Mutually Exclusive Events and Addition Law of Probabilities • 4.3 Independent Events and Multiplication Law of Probabilities	• Ex 4.2 • Ex 4.3 • TYS	
Week 3 5/4 – HBL 7/4 – Good Friday	Chapter 5: Properties of Circles • 5.1 Chords of a Circle	• Ex 5.1	
Week 4	Chapter 5: Properties of Circles • 5.2 Angles At The Circumference • 5.3 Angles in Opposite Segment	• Ex 5.2 • Ex 5.3	
Week 5	Chapter 5: Properties of Circles • 5.4 Tangents to a Circle	• Ex 5.4 • TYS	
Week 6 24/4 – Hari Raya Puasa in Lieu	• Revision for WA2	• TYS • Other School Exam Papers	
Week 7	• Revision for WA2	• TYS • Other School Exam Papers	
Week 8	• Error Analysis for WA2 • Revision for N Levels	• Other School Exam papers • TYS	WA2 2 hours 70 marks
Week 9 17/5 - HBL	• Revision for N Levels	• Other School Exam papers • TYS	
Week 10	• Revision for N Levels	• Other School Exam papers • TYS	

The subject overview is tentative and is subject to changes.