

Peicai Secondary School
Subject Overview for Semester 1 2023
Mathematics | Secondary 4 | Express

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: Set Language and Notation <ul style="list-style-type: none"> • 1.1 Set Language • 1.2 Venn Diagrams and Complement of a Set 	<ul style="list-style-type: none"> • Ex 1.1 • Ex 1.2 	
Week 4 23/1 – 24/1 CNY	Chapter 1: Set Language and Notation <ul style="list-style-type: none"> • 1.3 Intersection and Union of Sets 	<ul style="list-style-type: none"> • Ex 1.3 • TYS 	
Week 5 1/2 - HBL	Chapter 2: Data Analysis – Measures of Spread <ul style="list-style-type: none"> • 2.1 Cumulative Frequency Diagrams • 2.2 Range, Quartiles, Interquartile Range and Percentiles 	<ul style="list-style-type: none"> • Ex 2.1 • Ex 2.2 	
Week 6	Chapter 2: Data Analysis – Measures of Spread <ul style="list-style-type: none"> • 2.3 Box-and-Whisker Plots • 2.4 Standard Deviation For Ungrouped Data • 2.5 Standard Deviation For Grouped Data 	<ul style="list-style-type: none"> • Ex 2.3 • Ex 2.4 • Ex 2.5 • TYS 	
Week 7	Chapter 3: Probability <ul style="list-style-type: none"> • 3.1 Probability of Simple Combined Events 	<ul style="list-style-type: none"> • Ex 3.1 	
Week 8	<ul style="list-style-type: none"> • Revision for WA1 	<ul style="list-style-type: none"> • TYS • Past Year PCSS WA Papers • Other school Exam Papers 	
Week 9	<ul style="list-style-type: none"> • Error Analysis for WA1 	<ul style="list-style-type: none"> • TYS • Past Year PCSS WA Papers 	WA1 2 hours 80 marks
Week 10	Chapter 3: Probability	<ul style="list-style-type: none"> • Ex 3.2 • Ex 3.3 • TYS 	

	<ul style="list-style-type: none"> • 3.2 Mutually Exclusive Events and Addition Law of Probabilities • 3.3 Independent Events and Multiplication Law of Probabilities 		
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Term 2 (20 March – 26 May)			
Week	Chapter/Topic/Skill/Area	Assignment/ Homework	Weighted Assessment
Week 1 22/3 – HBL	Chapter 4: Matrices <ul style="list-style-type: none"> • 4.1 Definition of a Matrix • 4.2 Addition and Subtraction of Matrices 	<ul style="list-style-type: none"> • Ex 4.1 • Ex 4.2 	
Week 2	Chapter 4: Matrices <ul style="list-style-type: none"> • 4.3 Matrix Multiplication • 4.4 Applications of Matrices 	<ul style="list-style-type: none"> • Ex 4.3 • Ex 4.4 • TYS 	
Week 3 5/4 – HBL 7/4 – Good Friday	Chapter 5: Vectors in Two Dimensions <ul style="list-style-type: none"> • 5.1 Introduction to Vectors 	<ul style="list-style-type: none"> • Ex 5.1 	
Week 4	Chapter 5: Vectors in Two Dimensions <ul style="list-style-type: none"> • 5.2 Addition and Subtraction of Vectors • 5.3 Scalar Multiplication of Vectors 	<ul style="list-style-type: none"> • Ex 5.2 • Ex 5.3 	
Week 5	Chapter 5: Vectors in Two Dimensions <ul style="list-style-type: none"> • 5.4 Position Vectors 	<ul style="list-style-type: none"> • Ex 5.4 • TYS 	
Week 6 24/4 – Hari Raya Puasa in Lieu	Chapter 5: Vectors in Two Dimensions <ul style="list-style-type: none"> • 5.5 Applications of Vectors 	<ul style="list-style-type: none"> • Ex 5.5 • TYS • Other School Exam Papers 	
Week 7	<ul style="list-style-type: none"> • Revision for WA2 	<ul style="list-style-type: none"> • TYS • Other School Exam Papers 	
Week 8	<ul style="list-style-type: none"> • Error Analysis for WA2 • Revision for O Levels 	<ul style="list-style-type: none"> • TYS • Other School Exam Papers 	WA2 2 hours 80 marks
Week 9 17/5 - HBL	<ul style="list-style-type: none"> • Revision for O Levels 	<ul style="list-style-type: none"> • TYS • Other School Exam Papers 	

Week 10	<ul style="list-style-type: none">• Revision for O Levels	<ul style="list-style-type: none">• TYS• Other School Exam Papers	
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The subject overview is tentative and is subject to changes.