

Peicai Secondary School
 Subject Overview for Semester 1 2023
 Mathematics | Secondary 5 | 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: Graphs of Quadratic Functions <ul style="list-style-type: none"> • 1.1 Graphs of $y = \pm(x-h)^2 + k$ 	<ul style="list-style-type: none"> • Ex 1.1 	
Week 4 23/1 – 24/1 CNY	Chapter 1: Graphs of Quadratic Functions <ul style="list-style-type: none"> • 1.2 Graphs of $y = \pm(x-p)(x-q)$ 	<ul style="list-style-type: none"> • Ex 1.2 • TYS 	
Week 5 1/2 - HBL	Chapter 2: Linear Inequalities <ul style="list-style-type: none"> • 2.1 Addition Property of Inequalities • 2.2 Linear Inequalities in One Variable 	<ul style="list-style-type: none"> • Ex 2.1 • Ex 2.2 	
Week 6	Chapter 2: Linear Inequalities <ul style="list-style-type: none"> • 2.3 Simultaneous Linear Inequalities • 2.4 Applications of Linear Inequalities 	<ul style="list-style-type: none"> • Ex 2.3 • Ex 2.4 • TYS 	
Week 7	Chapter 3: Conditions of Congruence and Similarity <ul style="list-style-type: none"> • 3.1 Congruent Triangles • 3.2 Similar Triangles 	<ul style="list-style-type: none"> • Ex 3.1 • Ex 3.2 	
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	Chapter 3: Conditions of Congruence and Similarity <ul style="list-style-type: none"> • 3.3 Ratio of Areas of Similar Plane Figures 	<ul style="list-style-type: none"> • Ex 3.3 • TYS 	WA1 Duration: 2 hours 80 marks
Week 10	<ul style="list-style-type: none"> • Error Analysis for WA1 Chapter 3: Conditions of Congruence and Similarity	<ul style="list-style-type: none"> • Ex 3.4 • Ex 4.1 	

	<ul style="list-style-type: none"> 3.4 Ratio of Volumes of Similar Solid <p>Chapter 4: Set Language and Notation</p> <ul style="list-style-type: none"> 4.1 Introduction to Set Language and Notation 		
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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: Set Language and Notation <ul style="list-style-type: none"> 4.2 Venn Diagrams and Complement of a Set 4.3 Union and Intersection of Sets 	<ul style="list-style-type: none"> Ex 4.2 Ex 4.3 	
Week 2	Chapter 5: Matrices <ul style="list-style-type: none"> 5.1 Definition of a Matrix 5.2 Addition and Subtraction of Matrices 	<ul style="list-style-type: none"> Ex 5.1 Ex 5.2 	
Week 3 5/4 – HBL 7/4 – Good Friday	Chapter 5: Matrices <ul style="list-style-type: none"> 5.3 Multiplication of a Matrix by a Scale 5.4 Multiplication of Matrices 	<ul style="list-style-type: none"> Ex 5.3 Ex 5.4 TYS 	
Week 4	Chapter 6: Vectors in Two Dimensions <ul style="list-style-type: none"> 6.1 Introduction to Vectors 6.2 Operations on Vectors 	<ul style="list-style-type: none"> Ex 6.1 Ex 6.2 	
Week 5	Chapter 6: Vectors in Two Dimensions <ul style="list-style-type: none"> 6.3 Position Vectors 6.4 Applications of Vectors in Geometry 	<ul style="list-style-type: none"> Ex 6.3 Ex 6.4 TYS 	
Week 6 24/4 – Hari Raya Puasa in Lieu	<ul style="list-style-type: none"> Revision for WA2 	<ul style="list-style-type: none"> 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"> Revision for WA2 	<ul style="list-style-type: none"> TYS Other School Exam Papers 	WA2 Duration: 2 hours 80 marks
Week 9 17/5 - HBL	<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 	

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.