

Peicai Secondary School
 Subject Overview for Semester 1 2023
 Additional 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 11: Trigonometric Identities and Equations <ul style="list-style-type: none"> • 11.6 Applications of Trigonometric Functions 	<ul style="list-style-type: none"> • Ex 11.6 • TYS 	
Week 4 23/1 – 24/1 CNY	Chapter 12: Differentiation <ul style="list-style-type: none"> • 12.1 Derivative and its Basic Rules • 12.2 The Chain Rule 	<ul style="list-style-type: none"> • Ex 12.1 • Ex 12.2 	
Week 5 1/2 - HBL	Chapter 12: Differentiation <ul style="list-style-type: none"> • 12.3 The Product Rule • 12.4 The Quotient Rule 	<ul style="list-style-type: none"> • Ex 12.3 • Ex 12.4 	
Week 6	Chapter 13: Tangents, Normals and Rates of Change <ul style="list-style-type: none"> • 13.1 Equations of Tangents and Normals 	<ul style="list-style-type: none"> • Ex 13.1 	
Week 7	Chapter 13: Tangents, Normals and Rates of Change <ul style="list-style-type: none"> • 13.2 Increasing and Decreasing Functions 	<ul style="list-style-type: none"> • Ex 13.2 	
Week 8	<ul style="list-style-type: none"> • Revision for WA1 	<ul style="list-style-type: none"> • TYS 	
Week 9	Chapter 13: Tangents, Normals and Rates of Change <ul style="list-style-type: none"> • 13.3 Rates of Change • Error Analysis for WA1 	<ul style="list-style-type: none"> • Ex 13.3 	AM WA1 1h 45 mins 70 marks
Week 10	Chapter 13: Tangents, Normals and Rates of Change <ul style="list-style-type: none"> • 13.4 Connected Rates of Change 	<ul style="list-style-type: none"> • Ex 13.4 • TYS • Other School Exam Papers 	

Term 2 (20 March – 26 May)			
Week	Chapter/Topic/Skill/Area	Assignment/ Homework	Weighted Assessment
Week 1	Chapter 14: Maxima and Minima	<ul style="list-style-type: none"> • Ex 14.1 	

22/3 – HBL	<ul style="list-style-type: none"> 14.1 Nature of Stationary Points 		
Week 2	Chapter 14: Maxima and Minima <ul style="list-style-type: none"> 14.2 Maxima and Minima Problems 	<ul style="list-style-type: none"> Ex 14.2 TYS 	
Week 3 5/4 – HBL 7/4 – Good Friday	Chapter 16: Integration <ul style="list-style-type: none"> 16.1 Indefinite Integrals Chapter 17: Applications of Integration <ul style="list-style-type: none"> 17.1 Definite Integrals 	<ul style="list-style-type: none"> Ex 16.1 Ex 17.1 TYS 	
Week 4	Chapter 17: Applications of Integration <ul style="list-style-type: none"> 17.2 Area between a curve and an axis 	<ul style="list-style-type: none"> Ex 17.2 	
Week 5	Chapter 17: Applications of Integration <ul style="list-style-type: none"> 17.3 Area between a curve and a line 	<ul style="list-style-type: none"> Ex 17.3 	
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 	
Week 7	<ul style="list-style-type: none"> Revision for WA2 	<ul style="list-style-type: none"> TYS 	
Week 8	<ul style="list-style-type: none"> Error Analysis for WA2 Revision for N Levels 	<ul style="list-style-type: none"> Other School Exam papers TYS 	AM WA2 1h 45 mins 70 marks
Week 9 17/5 - HBL	<ul style="list-style-type: none"> Revision for N Levels 	<ul style="list-style-type: none"> Other School Exam papers TYS 	
Week 10	<ul style="list-style-type: none"> Revision for N Levels 	<ul style="list-style-type: none"> Other School Exam papers TYS 	

The subject overview is tentative and is subject to changes.