Peicai Secondary School
Subject Overview for Semester 1 2023
Additional 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	5.1 Exponential Equations 5.2 Graphs and Applications of Exponential Functions	TB Ex 5.1 TB Ex 5.2	
Week 4 23/1 – 24/1 CNY	5.3 Logarithms 5.4 Logarithmic Equations	TB Ex 5.3 TB Ex 5.4	
Week 5 1/2 - HBL	5.5 Graphs and Applications of Logarithmic Functions	TB Ex 5.5	
Week 6	5.5 Graphs and Applications of Logarithmic Functions	TYS Unit 5	
Week 7	6.1 Binomial Expansion of $(1 + b)^n$	TB Ex 6.1	
Week 8	6.2 Binomial Expansion of $(a + b)^n$	TB Ex 6.2 TYS Unit 4	
Week 9	9.1 Transforming Equations to Linear Form	TB Ex 9.1	A Math WA1 Duration: 2 hours 80 marks
Week 10	9.2 Non-linear Equations and the Graphs of Their Corresponding Linear Forms	TB Ex 9.2 TYS Unit 7	

Term 2 (20 March – 26 May)			
Week	**Chapter/Topic/Skill/Area**	**Assignment/ Homework**	**Weighted Assessment**
Week 1 22/3 – HBL	15.1 Derivatives of Trigonometric Functions HBL: Exploring the derivatives of Trigonometric Functions	TB Ex 15.1	
Week 2	15.2 Derivatives of Exponential Functions	TB Ex 15.2	
Week 3 5/4 – HBL 7/4 – Good Friday	15.3 Derivatives of Logarithmic Functions	TB Ex 15.3 TYS Unit 12	
Week 4	16.2 Integration of Trigonometric Functions	TB Ex 16.2	
Week 5	16.3 Integration of Exponential Functions, $\frac{1}{x}$ and $\frac{1}{ax+b}$	TB Ex 16.3 TYS Unit 14	
Week 6 24/4 – Hari Raya Puasa in Lieu	18.1 Applications of Differentiation in Kinematics	TB Ex 18.1	
Week 7	18.2 Applications of Integration in Kinematics	TB Ex 18.2 TYS Unit 15	
Week 8	19.1 Triangle Theorems	TB Ex 19.1	A Math WA2 Duration: 2hours 80 marks
Week 9 17/5 - HBL	19.2 Quadrilateral Theorems	TB Ex 19.2	
Week 10	19.3 Circle Theorems	TB Ex 19.3 TYS Unit 16	

The subject overview is tentative and is subject to changes.