Peicai Secondary School
Subject Overview for Semester 2 / 2022
Mathematics [Secondary Three (Normal Technical)]

Semester 2			
Term 3 [27 June – 2 September]			
Week	**Chapter/Topic/Skill/Area**	**Assignment/Homework**	**Weighted Assessment**
Week 1 [27 Jun - 1 Jul]	**Chapter 6: Pyramids, Cone and Spheres.** 6.1 Surface Area and Volume of Pyramids. 6.2 Surface Area of Cones.	Workbook Ex 6A, Questions 1 , 2, 4 and 6	
Week 2 [4 Jul - 8 Jul] *4 Jul- Youth Day Holiday* 7 Jul (Thu) HBL	**Chapter 6: Pyramids, Cone and Spheres.** 6.2 Volume of Cones. 6.3 Surface Area and Volume of Spheres.	Workbook Ex 6B, Questions 1, 2, 3, 4 and 5. Ex 6C, Questions 1, 2, 3, 4 and 5.	
Week 3 [11 Jul - 15 Jul] *11 Jul- Hari Raya Haji*	**Chapter 6: Pyramids, Cone and Spheres.** 6.4 Surface Area and Volume of Composite Solids.	Workbook Ex 6D, Questions 1, 2, 3 and 4.	
Week 4 (18/7 – 22/7) 20 Jul (Wed) HBL	**Chapter 7: Cumulative Frequency** 7.1 Range 7.2 Cumulative Frequency Tables and Diagrams.	Workbook Ex 7A, Questions 1,2 and 3. Ex 7B, Questions 1,2 ,3 and 4.	
Week 5 (25/7 – 29/7)	**Chapter 7: Cumulative Frequency** 7.3 Percentiles, Quartiles and Interquartile Range. **Chapter 8: Graphs of Linear Equations** 8.1 Graphs of Linear Equation in form $Ax + By = C$.	Workbook Ex 7C, Questions 1,2, 3, 4 and 5. Ex 8A, Questions 1, 2 and 3.	
Week 6 (1/8 – 5/8) 1 Aug (Mon) HBL	**Chapter 8: Graphs of Linear Equations** 8.1 Graphs of Linear Equation in form $Ax + By = C$. **Revision for WA 3.**	Ex 8A, Questions 4, 5, 6 and 7. Worksheets Revision 1 for WA 3 Revision 2 for WA 3	
Week 7 - 8 (8/8 – 12/8 & 15/8 – 19/8)	**Chapter 9: Simultaneous Linear Equations.** 9.1 Formulating a Pair of Simultaneous Linear Equations in Two Variables to Solve Problems.	Workbook Ex 9A, Questions 1 and 3.	**Weighted Assessment 3** *Duration:1 hour, Marks : 30* Topics to be tested: Chapter 4: Factorisation and Formulas Chapter 5: Arc Lengths and Sector Areas

8 – 10 Aug National Day Commemoration & Holiday			Chapter 6: Pyramids, Cones And Spheres Chapter 7: Cumulative Frequency
Week 9 -10 (22/8 – 26/8 & 29 /8 – 1/9) 23 Aug (Tue) HBL	**Chapter 9: Simultaneous Linear Equations.** 9.2 Solve Simultaneous Linear Equations by Elimination Method.	Ex 9B, Questions 1, 3 and 4.	

Semester 2

Term 4 [12 September – 28 October]			
Week	**Chapter/Topic/Skill/Area**	**Assignment/Homework**	**Weighted Assessment**
Week 1 [12 Sep - 16 Sep]	**Chapter 9: Simultaneous Linear Equations.** 9.3 Solve Simultaneous Linear Equations by Substitution Method. 9.4 Solve Simultaneous Linear Equations by Graphical Method.	Workbook Ex 9B, Questions 6. Ex 9C, Questions 1, 2, 3 and 4.	
Week 2 [19 Sep – 23 Sep]	Revision for End-of-Year Exam	2021 Peicai 3NT End of Year Papers 1 and 2. 2020 Peicai 3NT End of Year Papers 1 and 2.	
Week 3 [26 Sep - 30 Sep]	End-of-Year Exam		End of Year Paper 1: 1h 15 mins, 40 marks. Paper 2: 1h 15mins, 40 marks.
Week 4 [3 Oct - 7 Oct]	End-of-Year Exam		
Week 5 [10 Oct - 14 Oct] *14 Oct – Marking Day*	Error Analysis		

Week 6 [17 Oct - 21 Oct]	Error Analysis		
Week 7 [24 Oct - 28 Oct] *24 Oct – Deepavali* *28 Oct – Recognition Day*	Post-Exam Activities	Holiday Assignments (Revision Papers)	

The subject overview is tentative and is subject to changes.