Peicai Secondary School
Subject Overview for Semester 2 / 2022
Mathematics [Secondary One (Express)]

Semester 2			
Term 3 [27 June – 2 September]			
Week	**Chapter/Topic/Skill/Area**	**Assignment/Homework**	**Weighted Assessment**
Week 1 [27 Jun - 1 Jul]	**Chapter 7 Triangles, Quadrilaterals and Other Polygons** • 7.1 Triangles • 7.2 Quadrilaterals • 7.3 Polygons	Ex 7.1, 7.2, 7.3 selected questions	
Week 2 [4 Jul - 8 Jul] *4 Jul- Youth Day Holiday 7 Jul - HBL*	• 7.4 Construction of Triangles and Quadrilaterals **Chapter 8 Ratio, Rate and Speed** • 8.1 Ratio • 8.2 Rate • 8.3 Speed	Ex 7.4, Review Ex 7 selected questions Ex 8.1, 8.2, 8.3 and Review Ex 8 selected questions	
Week 3 [11 Jul - 15 Jul] *11 Jul- Hari Raya Haji (In Lieu)*	**Chapter 9 Percentage** • 9.1 Introduction to Percentages • 9.2 Percentage Change • 9.3 Reverse Percentages • 9.4 Problems involving Percentages in Practical Situations	Ex 9.1, 9.2, 9.3, 9.4 and Review Ex 9 selected questions	
Week 4 [18/7 – 22/7] *20 Jul - HBL*	**Chapter 10 Sequences and Number Patterns** • 10.1 Sequences • 10.2 Number Patterns involving Geometric Figures	Ex 10.1, 10.2 and Review Ex 10 selected questions	
Week 5 [25/7 – 29/7]	**Chapter 11 Coordinates and Linear Graphs** • 11.1 Cartesian and Coordinate System • 11.2 Concept of a Function • 11.3 Linear Functions and their Graphs	Ex 11.1, 11.2, 11.3 selected questions	

Week 6 **[1/8 – 5/8]** *1 Aug - HBL*	**Chapter 11 Coordinates and Linear Graphs** • 11.4 Gradients of Linear Graphs	Ex 11.4 and Review Ex 11 selected questions	
Week 7 **[8/8 – 12/8]** 8 to 10 Aug - National Day Commemoration & Holiday	**Revision for WA3**	Past Year Sec 1 WA3 Papers and/or Topical Revision Worksheets	
Week 8 **[15/8 – 19/8]**	**Chapter 12: Perimeters and Areas of Plane Areas** • 12.1 Perimeters and Areas of Paralellogram • 12.2 Perimeters and Area of Trapezium Go through WA3	Ex 12.1, 12.2 selected questions	**Weighted Assessment 3** Duration: 1 hour Marks: 40 Topics: - Chapter 4: Basic Algebra & Algebraic Manipulation - Chapter 5:Simple Equation in One Variable - Chapter 7: Triangles, Quadrilaterals and Other Polygons - Chapter 8: Ratio, Rate and Speed - Chapter 9: Percentage - Chapter 10: Sequences and Number Patterns
Week 9 **[22/8 – 26/8]** *23 Aug - HBL*	**Chapter 12: Perimeters and Areas of Plane Areas** • 12.3 Perimeter and Area of Composite Plane Figures **Chapter 13: Volume and Surface Area of Prisms and Cylinders** • 13.1 Views and Nets of 3D Objects • 13.2 Volume and Total Surface Area of Prisms.	Ex 12.3 and Review Ex 12 selected questions Ex 13.1, 13.2 selected questions	

Week 10 [29/8 – 2/9] 1 & 2 Sep - Teachers' Day Celebration & holiday	**Chapter 13: Volume and Surface Area of Prisms and Cylinders** • 13.3 Volume and Total Surface Area of Cylinders • 13.4 Volume and Surface Areas of Composite Solids	Ex 13.3, 13.4 and Review Ex 13 selected questions Holiday Assignment: Past Year EOY paper or topical revision worksheet	
Term 4 [12 September – 28 October]			
Week 1 [12/9 – 16/9]	**Chapter 14: Data Handling** • 14.1 Collecting Data • 14.2 Organising Data • 14.3 Representing and Analysing Data • 14.4 Statistics in Real Life	Ex 14.1, 14.2, 14.3, 14.4 Review Ex 14 Selected Questions	
Week 2 [19/9 – 23/9]	**Revision for EOY**	Past Year Sec 1 EOY papers	
Week 3 [26/9 – 30/9]	**EOY**		Paper 1 *Duration: 1 hour, Marks: 40*
Week 4 [3/10 – 7/10]	**EOY**		Paper 2 *Duration: 1 hour 15 mins, Marks: 50*
Week 5 [10/10 – 14/10]	**Error Analysis for EOY**		
Week 6 [17/10 – 21/10]	**Error Analysis for EOY**		
Week 7 [24/10 – 28/10] 24 Oct - Deepavali 28 Oct - Celebration & Recognition Day	**Post Exam Activities**		

The subject overview is tentative and is subject to changes.