

Peicai Secondary School
Subject Overview for Semester 1 2023
Mathematics | Secondary 3 | Normal (Technical)

Semester 1			
Term 1 [3 Jan – 10 Mar]			
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 [16 Jan – 20 Jan]	<u>Chapter 1 – Indices and Standard Form</u> 1.1 Index notation 1.2 Zero index and negative index	Ex 1.1 Ex 1.2	
Week 4 [23 Jan – 27 Jan] <i>22 & 23 Jan – Chinese New Year 24 Jan Public Holiday</i>	<u>Chapter 1 – Indices and Standard Form</u> 1.3 Standard form 1.4 Compound interest	Ex 1.3 Ex 1.4	
Week 5 [30 Jan – 3 Feb] HBL #1 [1 Feb]	<u>Chapter 3 - Algebraic Expansion, Fractions and Expression for the nth term of a Number Sequence</u> 3.1 Expansion of the product of two linear expressions	Ex 3.1	
Week 6 [6 Feb – 10 Feb]	<u>Chapter 3 - Algebraic Expansion, Fractions and Expression for the nth term of a Number Sequence</u> 3.2 Multiplication of simple algebraic fractions	Ex 3.2	
Week 7 [13 Feb – 17 Feb] HBL #2 [15 Feb]	<u>Chapter 3 - Algebraic Expansion, Fractions and Expression for the nth term of a Number Sequence</u> 3.3 Division of simple algebraic Fractions	Ex 3.3	
Week 8 [20 Feb – 24 Feb]	<u>Chapter 3 - Algebraic Expansion, Fractions and Expression for the nth term of a Number Sequence</u> 3.4 Finding the nth term of a number sequence Revision on WA 1	Ex 3.4 Revision on WA 1	
Week 9 [27 Feb – 3 Mar] HBL #3 [1 Mar]	<u>Chapter 4: Factorisation and Formulas</u> 4.1 Factorisation of linear algebraic expressions	Ex 4.1	Weighted Assessment 1 (WA1) <ul style="list-style-type: none"> • Paper duration: 1 h • Total marks: 30

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Week 10 [6 Mar – 10 Mar]	<u>Chapter 4: Factorisation and Formulas</u> 4.2 Factorisation of quadratic expressions	Ex 4.2	
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Term 2 [20 Mar – 26 May]			
Week	Chapter/Topic/Skill/Area	Assignment/ Homework	Weighted Assessment
Week 1 [20 Mar – 24 Mar] HBL #4 [22 Mar]	<u>Chapter 2 – Map Scales</u> 2.1 Use map scales to find the actual distance and the distance on the map.	Ex 2.1	
Week 2 [27 Mar – 31 Mar]	<u>Chapter 2 – Map Scales</u> 2.2 Use map scales to find the actual area and the area on the map.	Ex 2.2	
Week 3 [3 Apr – 7 Apr] HBL #5 [5 Apr] <i>7 Apr – Good Friday</i>	<u>Chapter 4: Factorisation and Formulas</u> 4.3 Changing the subject of a simple formula	Ex 4.3	
Week 4 [10 Apr – 14 Apr]	<u>Chapter 5: Arc Lengths and Sector Areas</u> 5.1 Sectors and arcs 5.2 Arc lengths	Ex 5.1 Ex 5.2	
Week 5 [17 Apr – 21 Apr] HBL #6 [19 Apr]	<u>Chapter 5: Arc Lengths and Sector Areas</u> 5.3 Sector areas	Ex 5.3	
Week 6 [24 Apr – 28 Apr] <i>22 Apr – Hari Raya Puasa 24 Apr School Holiday</i>	<u>Chapter 6: Pyramids, Cones and Spheres</u> 6.1 Surface area of pyramids	Ex 6.1	Weighted Assessment 2 (WA2) Alternative Assessment
Week 7 [1 May – 5 May] HBL #7 [3 May] <i>1 May – Labour Day 3 Jul School Holiday</i>	<u>Chapter 6: Pyramids, Cones and Spheres</u> 6.1 Volume of pyramids	Ex 6.1	
Week 8 [8 May – 12 May]	<u>Chapter 6: Pyramids, Cones and Spheres</u> 6.2 Curved surface area and volume of cones	Ex 6.2	
Week 9 [15 May – 19 May] HBL #8 [17 May]	<u>Chapter 6: Pyramids, Cones and Spheres</u> 6.3 Curved surface area and volume of spheres	Ex 6.3	
Week 10 [22 May – 26 May]	<u>Chapter 6: Pyramids, Cones and Spheres</u> 6.4 Surface area and volume of composite solids	Ex 6.4	

The subject overview is tentative and is subject to changes