

Peicai Secondary School
Subject Overview for Semester 1 / 2023
Mathematics [Secondary One (Normal Academic)]

| Semester 1 | | | |
|--|---|--|--|
| Term 1 [2 Jan to 10 Mar] | | | |
| Week | Chapter/Topic/Skill/Area | Assignment/Homework | Weighted Assessment |
| Week 1 [2 Jan – 6 Jan] | Start Smart Programme | | |
| Week 2 [9 Jan – 13 Jan] | | | |
| Week 3 [16 Jan – 20 Jan] | Chapter 1 Factors and Multiples <ul style="list-style-type: none"> • 1.1 Primes, Prime Factorisation and Index Notation | Assignment 1.1 | |
| Week 4 [23 Jan – 27 Jan] <i>22 & 23 Jan – Chinese New Year 24 Jan Public Holiday</i> | Chapter 1 Factors and Multiples <ul style="list-style-type: none"> • 1.2 Highest Common Factor • 1.3 Least Common Multiple • 1.4 Square Roots and Cube Roots | Assignment 1.2 Assignment 1.3 Assignment 1.4 | |
| Week 5 [30 Jan – 3 Feb] <i>1 Feb - HBL #1</i> | Chapter 2 Real Numbers <ul style="list-style-type: none"> • 2.1 Concept of Negative Numbers and the Number Line • 2.2 Addition and Subtraction of Integers • 2.3 Multiplication, Division and Combined Operations of Integers | Assignment 2.1 Assignment 2.2 Assignment 2.3 | |
| Week 6 [6 Feb – 10 Feb] | Chapter 2 Real Numbers <ul style="list-style-type: none"> • 2.4 Rational Numbers, Irrational numbers and Real Numbers • 2.5 Operations on Real Numbers | Assignment 2.4 Assignment 2.5 | |
| Week 7 [13 Feb – 17 Feb] <i>15 Feb – HBL #2</i> | WA1 Revision | WA1 Revision WS Chapter 1: Factors and Multiples Chapter 2: Real Numbers (2.1 – 2.3) | Written Weighted Assessment 1 (WA1) |

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| Week 8 [20 Feb – 24 Feb] | Chapter 3 Approximation and Estimation <ul style="list-style-type: none"> • 3.1 Rounding off Numbers to Specified Decimal Places • 3.2 Rounding off Numbers to Specified Significant Figures • 3.3 Estimation | Assignment 3.1 Assignment 3.2 Assignment 3.3 | |
| Week 9 [27 Feb – 3 Mar] <i>1 Mar – HBL #3</i> | Chapter 4 Basic Algebra and Algebraic Manipulations <ul style="list-style-type: none"> • 4.1 Introduction to Algebra | Assignment 4.1 | |
| Week 10 [6 Mar – 10 Mar] | Chapter 4 Basic Algebra and Algebraic Manipulations <ul style="list-style-type: none"> • 4.2 Simplification of Linear Expressions • 4.3 Expansion of Linear Expressions | Assignment 4.2 Assignment 4.3 | |

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| Semester 1 | | | |
|--|---|----------------------------------|--|
| Term 2 [20 Mar to 26 May] | | | |
| Week | Chapter/Topic/Skill/Area | Assignment/Homework | Weighted Assessment |
| Week 1 [20 Mar – 24 Mar] <i>22 Mar – HBL #4</i> | Chapter 5 Simple Equations in One Variable <ul style="list-style-type: none"> • 5.1 Simple Linear Equations | Assignment 5.1 | |
| Week 2 [27 Mar – 31 Mar] | Chapter 5 Simple Equations in One Variable <ul style="list-style-type: none"> • 5.2 Linear Equations Involving Brackets | Assignment 5.2 | Weighted Assessment 2 (WA2) – Alternative Assessment (Week 2-5) Students will be briefed |
| Week 3 [3 Apr – 7 Apr] <i>5 Apr – HBL #5</i> <i>7 Apr – Good Friday</i> | Chapter 5 Simple Equations in One Variable <ul style="list-style-type: none"> • 5.3 Formulate Linear Equations to Solve Word Problems | Assignment 5.3 | Weighted Assessment 2 (WA2) – Alternative Assessment (Week 2-5) Students will be briefed |
| Week 4 [10 Apr – 14 Apr] | Chapter 6 Angles, Parallel Lines and Triangles <ul style="list-style-type: none"> • 6.1 Points, Lines and Planes • 6.2 Angles | Assignment 6.1 Assignment 6.2 | Weighted Assessment 2 (WA2) – Alternative Assessment (Week 2-5) Students will be briefed |
| Week 5 [17 Apr – 21 Apr] <i>19 Apr – HBL #6</i> | Chapter 6 Angles, Parallel Lines and Triangles <ul style="list-style-type: none"> • 6.3 Parallel Lines and Transversals | Assignment 6.3 | Weighted Assessment 2 (WA2) – Alternative Assessment (Week 2-5) Students will be briefed |
| Week 6 [24 Apr – 28 Apr] <i>22 Apr – Hari Raya Puasa</i> <i>24 Apr – School Holiday</i> | Chapter 6 Angles, Parallel Lines and Triangles <ul style="list-style-type: none"> • 6.4 Triangles | Assignment 6.4 | |
| Week 7 [1 May – 5 May] <i>1 May – Labour Day</i> <i>3 May – HBL #7</i> <i>3 Jul School Holiday</i> | Chapter 7 Ratio, Rate and Speed <ul style="list-style-type: none"> • 7.1 Ratio | Assignment 7.1 | |

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| Term 2 [20 Mar to 26 May] | | | |
| Week | Chapter/Topic/Skill/Area | Assignment/Homework | Weighted Assessment |
| Week 8 [8 May – 12 May] | Chapter 7 Ratio, Rate and Speed <ul style="list-style-type: none"> • 7.2 Rate | Assignment 7.2 | |
| Week 9 [15 May – 19 May] <i>17 May – HBL #8</i> | Chapter 7 Ratio, Rate and Speed <ul style="list-style-type: none"> • 7.3 Speed | Assignment 7.3 | |
| Week 10 [22 May – 26 May] | Chapter 7 Ratio, Rate and Speed <ul style="list-style-type: none"> • 7.3 Speed | Assignment 7.3 | |

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