

Peicai Secondary School  
 Subject Overview for Semester 1 2023  
 Mathematics | Secondary 2 | Normal (Technical)

| <b>TERM 1 [3 Jan – 10 Mar]</b>  |   |  |   |
|---------------------------------|---|--|---|
| <b>Week</b>                     | <b>Chapter/Topic/Skill/Area</b>                                     | <b>Assignment/<br/>Homework</b>                                | <b>Weighted<br/>Assessment</b>  |
| Week 1<br>[2 Jan – 6 Jan]       | <b>Start Smart Program</b>  | -  | -   |
| Week 2<br>[9 Jan – 13 Jan]      | <b>Start Smart Program</b>  | -  | -   |
| Week 3<br>[16 Jan – 20 Jan]     | <b>Chapter 10 Data Analysis</b>                                     |  |   |
| CNY Celebration<br>20 Jan (Fri) | 10.1 Dot Diagrams   | WB Exercise 10A<br>Qn 1 , 2                                    |   |
|                                 | 10.2 Histograms   | WB Exercise 10A<br>Qn 3 , 4                                    |   |
| Week 4<br>[23 Jan – 27 Jan]     | 10.3 Mode, Mean and Median  | WB Exercise 10B<br>Qn 1 to 6                                   |   |
| Week 5<br>[30 Jan – 03 Feb]     | <b>Chapter 1 Triangles and Quadrilaterals</b>                       |  |   |
| HBL #1<br>1 Feb (Wed)           | 1.1 Triangles and Quadrilaterals                                    | WB Exercise 1A<br>Qn 1 to 4                                    | WA1: Alternative<br>Assessment<br>Topic: Chapter 10 Data<br>Analysis<br><br><b>Week 5: Start of<br/>Preparation</b> |
|                                 | 1.3 Properties of Quadrilaterals                                    | WB Exercise 1C<br>Qn 1 to 2                                    |   |
| Week 6<br>[6 Feb – 10 Feb]      | 1.4 Constructing Perpendicular<br>and Angle Bisectors               | WB Exercise 1D<br>Qn 1 to 5                                    |   |
|                                 | 1.2 & 1.5 Geometric Construction<br>of Triangles and Quadrilaterals | WB Exercise 1B<br>Qn 1 to 6<br><br>WB Exercise 1E<br>Qn 1 to 5 |   |
| Week 7<br>[13 Feb – 17 Feb]     | <b>Chapter 2 Linear Algebraic Expressions</b>                       |  |   |
| HBL #2<br>15 Feb (Wed)          | 2.1 Adding and Subtracting<br>Linear Algebraic Expressions          | WB Exercise 2A<br>Qn 1 to 3                                    | WA1: Alternative<br>Assessment<br>Topic: Chapter 10 Data  |

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|                              | 2.2 Simplifying Algebraic Expressions involving Brackets                        | WB Exercise 2A<br>Qn 1 to 5 | Analysis  |
| Week 8<br>[20 Feb – 24 Feb]  | 2.3 Simplifying Linear Algebraic Fractions                                      | WB Exercise 2B<br>Qn 1 to 3 | <b>Week 8: Submission of Alternative Assessment</b> |
| Week 9<br>[27 Feb – 03 Mar]  | <b>Chapter 3 Linear Equations in One Variable</b>                               |                             |   |
| HBL #3<br>1 Mar (Wed)        | 3.1 Solving Linear Equations in One Variable                                    | WB Exercise 3A<br>Qn 1 to 3 |   |
|                              | 3.2 Solving Equations involving Brackets  | WB Exercise 3A<br>Qn 4 to 5 |   |
| Week 10<br>[06 Mar – 10 Mar] | 3.3 Solving Problems involving Formulation of a Linear Equation in One Variable | WB Exercise 3B<br>Qn 1 to 6 |   |

| <b>TERM 2 [20 Mar – 26 May]</b>   |   |  |                            |
|---|---|--|----------------------------|
| <b>Week</b>   | <b>Chapter/Topic/Skill/Area</b>               | <b>Assignment/<br/>Homework</b>                      | <b>Weighted Assessment</b> |
| Week 1<br>[20 Mar – 24 Mar]   | <b>Chapter 4 Functions and Graphs</b>         |  |                            |
| HBL #4<br>22 Mar (Wed)  | 4.1 Introduction to Cartesian Coordinates     | WB Exercise 4A<br>Qn 1 to 3                          |                            |
|   | 4.2 Graphs of Linear Functions                | WB Exercise 4B<br>Qn 1 to 2                          |                            |
| Week 2<br>[27 Mar – 31 Mar]   | 4.3 Horizontal and Vertical Graphs            | WB Exercise 4B<br>Qn 3<br><br>WB Exercise 4C<br>Qn 4 |                            |
|   | 4.4 Gradient of Linear Graphs using rise/run  | WB Exercise 4C<br>Qn 1                               |                            |
| Week 3<br>[03 Apr – 07 Apr]<br><br>HBL #5<br>5 Apr (Wed)<br><br>Good Friday 7 Apr (Fri) | 4.5 Gradient and y-intercept of Linear Graphs | WB Exercise 4C<br>Qn 2, 3 & 5                        |                            |

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|---|--|---|-----|
|   | 4.6 Graphs in Practical Situations     | WB Exercise 4D<br>Qn 1 to 2                                 |     |
| Week 4<br>[10 Apr – 14 Apr]   | <b>Chapter 5 Proportion</b>            |   |     |
|   | 5.1 Direct Proportion                  | WB Exercise 5A<br>Qn 1 to 5                                 |     |
| Week 5<br>[17 Apr – 21 Apr]<br><br>HBL #6<br>19 Apr (Wed)                               | 5.2 Inverse Proportion                 | WB Exercise 5B<br>Qn 1 to 4                                 |     |
| Week 6<br>[24 Apr – 28 Apr]<br><br>Hari Raya Puasa<br>24 Apr (Mon)                      | <b>Revision for WA2</b>                |   |     |
|   | Revision for Weighted Assessment 2     | Revision Worksheets & Past Year papers on the tested topics |     |
| Week 7<br>[1 May – 5 May]<br><br>Labour Day 1 May<br>(Mon)<br><br>HBL #7<br>3 May (Wed) | Revision for Weighted Assessment 2     | Revision Worksheets & Past Year papers on the tested topics |     |
| Week 8<br>[8 May – 12 May]  | Weighted Assessment 2 + Error Analysis |   | WA2 |
| Week 9<br>[15 May – 19 May]<br><br>HBL #8<br>17 May (Wed)                               | <b>Chapter 6 Rate and Speed</b>        |   |     |
|   | 6.1 Rate and Average Rate              | WB Exercise 6A<br>Qn 1 to 6                                 |     |
|   | 6.2 Speed                              | WB Exercise 6B<br>Qn 1 to 6                                 |     |
| Week 10<br>[22 May – 26 May]  | 6.3 Conversion of Rate                 | WB Exercise 6C<br>Qn 1 to 4                                 |     |

The subject overview is tentative and is subject to changes.