

| Week | Date                              | Branches and topic   |
|------|-----------------------------------|--|
| 1    | 25-Aug to 29-Aug<br>(3-5 lessons) | Orientation:<br>Understand the MYP Maths curriculum<br>Knowing yourself (4 operational skills: +/÷/×/÷ and order of operations)<br>Develop your Math Binder<br>**(H&H: Ch2 & Ch5)<br><b>29/8-Pre Assessment: Speed test and simple problems</b>  |
| 2    | 1-Sep to 5-Sep<br>(4-5 lessons)   | Number:<br><b>The number system</b><br>Classifying number systematically<br>(Classifying key, Venn diagram, set notation)<br>Important Properties of the Four operations<br>(Commutative, Associative & Distributive property)<br>Factors, common factors, HCF                                       |
| 3    | 8-Sep to 12-Sep<br>(3-4 lessons)  | Multiples, common multiples, LCM<br>Divisibility test<br>Prime Numbers<br>(Mathletics)<br><b>Assessment #1 - 12/9</b><br><b>Criteria B: Divisibility test</b>  |
| 4    | 15-Sep to 19-Sep<br>(3-4 lessons) | Number:<br><b>Decimal in Real life</b><br>Constructing decimal number<br>Representing decimal number<br>Decimal currency<br>Using a number line<br>Ordering decimals   |
| 5    | 22-Sep to 26-Sep<br>(1-2 lessons) | Rounding decimal numbers (signification figure)<br>Converting decimals to fractions and vice versa<br>(Mathletics)<br>**(H&H: Ch9)<br><b>Arithmetic on decimal</b><br>Adding and subtracting decimals<br>Multiplying and dividing decimals<br>Mixed operation of decimals                            |
| 6    | 29-Sep to 3-Oct<br>(3-4 lessons)  | Solving decimal problems<br>Terminating and recurring decimals<br>Using calculators<br><b>Project on Budgeting</b><br>(Mathletics)<br>**(H&H: Ch11)  |
| 7    | 6-Oct to 10-Oct<br>(5 lessons)    | Number:<br><b>Fractions</b><br>Representing fractions<br>Fractions of regular shapes<br>Equal fractions (Equivalent fractions)<br>Simplifying fractions (Reduce fractions)<br>Fractions of quantities<br>Comparing fractions<br>Improper fractions and mixed numbers<br>(Mathletics)<br>**(H&H: Ch6) |
| 8    | 13-Oct to 17-Oct<br>(2-3 lessons) | <b>Fraction Operations</b><br>Adding and subtracting fractions<br>Multiplying fractions<br>Reciprocals and dividing fractions<br>Mixed operation of fractions<br>Solving fractions problems<br>(6A: Ch4)<br>**(H&H: Ch8)   |
| 9    | 20-Oct to 24-Oct                  | <b>Mid Term Break</b>  |

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| 10   | 27-Oct to 31-Oct<br>(5 lessons)   | Number:<br><b>Percentage</b><br><b>Concept of percentage</b><br>Real life example of percentage<br>Converting fractions to percentages<br>Converting percentages to fractions<br>Converting decimals to percentages<br>Converting percentages to decimals<br>Plotting numbers on a number line<br>(Mathletics)<br>**(H&H: Ch14) |
| 11   | 3-Nov to 7-Nov<br>(5 lessons)     | <b>Comparing quantities</b><br>Finding percentage of quantities<br>Percentage and money<br>Discounts<br><b>Percentage error</b><br>*Profit and loss<br>*Good tax<br>(6A: Ch6)<br>**(H&H: Ch16)<br><b>Assessment #2 - 7/11</b><br><b>Criteria A/C: Unit test on decimals, fractions, percentages</b>                             |
| 12   | 10-Nov to 14-Nov<br>(5 lessons)   | <b>Problem Solving Strategies</b><br>Investigate into different problem solving strategies<br>Trial and Error<br>Making a list<br>Modeling or drawing a picture<br>Making a table and looking for a pattern<br>Working backwards<br>**(H&H: Ch10)   |
| 13   | 17-Nov to 21-Nov<br>(5 lessons)   | <b>Algebra and pattern and simple equation</b><br>Patterns and variables<br>Algebraic expression and substituting<br>Linear graphs<br>Simple equation and problems<br>(6A: Ch1)<br>**(H&H: Ch18 & Ch20)   |
| 14   | 24-Nov to 28-Nov                  | <b>CAS Trips Week</b>   |
| 15   | 1-Dec to 5-Dec<br>(5 lessons)     | <b>Problem Solving Strategies (continue)</b><br><b>Assessment #3 – 1-5/12</b><br><b>Criteria C/D: individual project, the last 2 lessons for presentation</b>   |
| 16   | 8-Dec to 12-Dec<br>(5 lessons)    | <b>Measurement</b><br>Units of measurement, reading scales, length conversions, perimeter, scale diagrams and mass<br>(Mathletics)<br>**(H&H: Ch12)   |
| 17   | 15-Dec to 19-Dec<br>(3-4 lessons) | <b>2D shapes</b><br>Areas (including deduced formula)<br>6B:Ch10<br>**(H&H: 19A-19D)  |
| 18   | 22-Dec to 26-Dec                  | <b>Christmas and New Year Holiday</b>   |
| 19   | 29-Dec to 2-Jan                   |   |
| 20   | 5-Jan to 9-Jan<br>(5 lessons)     | Review and catch up week  |
| 21   | 12-Jan to 16-Jan                  | <b>Summative Assessment Week</b><br><b>Assessment #4 – 12-16/1</b><br><b>Criteria A/C: Board based test for numbers, algebra and measurement</b>  |

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| 22   | 19-Jan to 23-Jan<br>(5 lessons)                            | <b>Measurement (continue)</b><br><b>3D Shapes</b><br>Vertices and edges<br>Nets of prisms and cylinders<br>Sections   |
| 23   | 26-Jan to 30-Jan<br>(5 lessons)                            | Free drawings of solids<br>Isometric projections<br>(6A: Ch3)<br>**(H&H: Ch24)  |
| 24   | 2-Feb to 6-Feb<br>(5 lessons)                              | <b>Capacity and volume</b><br>Volume of irregular solids  |
| 25   | 9-Feb to 13-Feb<br>(3-4 lessons)                           | Volume problems<br>(6B: Ch11)<br>**(H&H: 19E-19G)   |
| 26   | 16-Feb to 20-Feb<br>(1-2 lessons)                          | # Assessment 5 – 2-12/2 (8 lessons)<br>Criteria A/C: Dream House  |
| 27   | 23-Feb to 27-Feb   | <b>Chinese Lunar New Year Holiday</b>   |
| 28   | 2-Mar to 6-Mar<br>(4 lessons)<br>+1 for book week activity | Statistics and probability:<br><b>Data Handling and averages</b><br>Sample and populations<br>Categorical data<br>Graphs of categorical data                              |
| 29   | 9-Mar to 13-Mar<br>(5 lessons)                             | Numerical data<br>Mean, mode, median and range  |
| 30   | 16-Mar to 20-Mar<br>(5 lessons)                            | <b>Different types of charts and graphs</b><br>Tally chart and Frequency table<br>Stem and leaf plot<br>Bar charts (including compound bar charts)<br>Broken line graphs  |
| 31   | 23-Mar to 27-Mar<br>(5 lessons)                            | Pie charts (interpretation and drawing with detail calculations of percentage and degree of the sector)<br>(6B: Ch9)<br>**(H&H: Ch17) &                                   |
| 32   | 30-Mar to 3-Apr<br>(2-3 lessons)                           | Assessment #6 – 30/3-31/3 any 2 lessons<br>Criteria C/D: Survey and report  |
| 33   | 6-Apr to 10-Apr  | <b>Easter Holiday</b>   |
| 34   | 13-Apr to 17-Apr<br>(5 lessons)                            | Number / measurement / graphs:<br><b>Time</b><br>Time lines,<br>Units of time,<br>Difference in time,   |
| 35   | 20-Apr to 24-Apr<br>(5 lessons)                            | Reading clocks and watches,<br>Timetables,<br>Timezones   |
| 36   | 27-Apr to 1-May<br>(1-2 lessons)                           | <b>Time and speed</b><br>Speed<br>Travel Graph<br>(6B: Ch7)<br>**(H&H: Ch15)<br>Assessment #7 – 8/5<br>Criteria B: Investigative task (for time unit or probability unit) |
| 37   | 4-May to 8-May<br>(5 lessons)                              | Statistics and probability:<br><b>Chance and probability</b><br>Probability scale<br>Using samples to predict probability   |
| 38   | 11-May to 15-May<br>(4-5 lessons)                          | Event & outcomes<br>Favorable outcomes<br>Tree diagrams<br>Chance experiments<br>Using tables<br><br>(Mathletics): Chance and probability                                 |

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| 39   | 18-May to 22-May<br>(5 lessons)   | Review and catch up week   |
| 40   | 25-May -29-May                    | <b>Summative Assessment Week</b><br><i>Assessment #8 – 26/5-1/6</i><br><i>Criteria A/C: Board based test for numbers and algebra</i>     |
| 41   | 1-Jun to 5-Jun<br>(3-4 lessons)   | <b>Check e-portfolio and practice for SLC</b><br><b>(3 lessons)</b>  |
| 42   | 8-Jun to 12-Jun<br>(3-4 lessons)  | Geometry & trigonometry:<br><b>Transformations</b><br>Reflections and line symmetry<br>Rotations and rotational symmetry                 |
| 43   | 15-Jun to 19-Jun<br>(3-4 lessons) | Translations<br>Enlargements and reductions<br>Tessellations<br>(Mathletics)<br>**(H&H: Ch22)  |
| 44   | 22-Jun to 26-Jun<br>(1-2 lessons) |  |
| 45   | 29-Jun to 3-Jul                   | 30/6: Whole school Assembly<br>30/6: Last day of school (finish at midday)<br>1/7: HKSAR Establishment Day<br>1/7: Summer Holiday begins |

**\* Topics with the star sign are extended topics**

**At the end of each term, need to spend 1 or 2 lesson(s) to check folder or e-portfolio (i-book)**

Textbooks:

(6A): My Pals are Here! Maths 6A (2<sup>nd</sup> edition) by Fong *et al.* Marshall Cavendish Education

(6B): My Pals are Here! Maths 6A (2<sup>nd</sup> edition) by Fong *et al.* Marshall Cavendish Education

(Mathletics): Mathletics workbook - Provided by teacher, downloaded from 3P learning Mathletics.

\*\* (H&H): Mathematics for the international students 6 MYP 1 by Haese *et al.* Haese & Harris Publications (reference only)