**VICTORIOUS PRIMARY SCHOOLS**

**P.4 MTC SCHEME OF WORK TERM1, 2018**

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| **WK** | **PD** | **THEME** | **SUB THEME** | **CONTENT** | **SUBJECT COMPETECIES** | **LANGUAGE COMPETENCIES** | **METHODS** | **LIFE SKILL** | **T/L AI** | **T/L ACTS** | **REF** |
| 1 | 1 | **S**  **E**  **T**  **C**  **O**  **N**  **C**  **E**  **P**  **T** | Revision of sets | - Revision of sets; Definition of: -  (a) Set  (b) Elements  - Naming sets  - Counting numbers  members in a set  -identifying sets | * Group objects of a set. * Draws objects. * Identifies sets. | * Defines a set. * Names of types of sets. * Counts members in sets. | Guided discussion  Demonstration  Illustration | * Critical thinking * Effective communication. * Creative thinking. | Real objects coins, tins, pens, books, charts etc. | -Grouping  -Drawing  -Counting  -Oral discussion | A new MK primary MTC book 4 pg 1. |
|  | Types of sets | **Types of sets**   * Equal sets and   equivalent sets.   * Empty sets. * Equivalent and   non equivalent   * Even and odd   Sets | * States examples of different types of sets. * Identifies types of sets. | * Defines the types of sets. * Names the different types of sets. |  | * Creative thinking. * Effective communication * Critical thinking | * Real objects | -Matching  - Drawing  -Naming sets  -Listing members. | New MK primary MTC book 4 pg 1-5 |
| 2 | Intersection of sets | * Symbol for intersection. * Drawing venn diagrams and shading. * Listing members in the intersection. * Number of elements in the intersection set. | * Writes the symbol for intersection. * Draws venn diagrams. * Shades the intersection. * Lists members. | * Defines intersection sets. * Describes the shaded part. | Illustration  Demonstration  Guided discussion. | Creative thinking  Logical thinking | Real objects.  A chart showing intersection part. | -Drawing and shading.  - Listing members in the intersection. | MK primary MTC book 4 pg 9 - 11 |
| 2 | 1 | Union of a set and intersection | * Symbol for union. * Drawing, shading and listing of members in the union set. * Number of elements in the union set. | * Writes the symbols for union. * Draws venn diagrams. * Shades the union set. * Lists members in union set. | * Defines a union set. * Describes the shaded regions. | -Think pair share.  -Guided discussion.  -Demonstration | * Decision making. * Effective communication * creativity | * Real objects | * Drawing and shading. * Listing members in the union | MK Prmary MTC bk. 4 pg. 13 - 15 |
| 2 | 1 | **S**  **E**  **T**  **S**  **C**  **O**  **N**  **C**  **E**  **P**  **T** | Difference of sets | Inpterprete symbols and find   1. A - B   (ii) B - A  (iii) n(A-B)  (iv) n(B-A) | * Interprets the concept of the difference of sets. * Shades the regions. * Draws the regions. | * Counts the numbers of members in; A – B   B - A   * Describes the shaded parts. | * Guided discussion * Demonstration * Discovery * Illustration | * Effective communication. * Critical thinking. * Creativity | * Real objects. | * Drawing * Shading * Listing * Counting | New MK primary MTC book 4 page 13-15 |
|  |  | Sub sets | * Symbols of subsets. * Listing subsets in a set. * Number of subsets | * Lists members in a set. * Writes the symbol of subject. * Lists the subsets in a set. | * Defines a subset. * Counts the number of subsets. | * Guided discussion. * Demonstration. * Discovery. | * Creativity. * Effective communication. * Critical thinking. | * Real objects | * Listing * Drawing * Counting | New MK Primary MTC  bk 4 pg. 21 |
|  |  | WHOLE NUMBERS | Place values | Place values.   1. In words. 2. In figures.   Example  4 5 6 3  Thousands  Hundreds  Tens  Ones | * Identifies the place values. * Writes the place values. | * Read the place values in words and in figures. | * Guided discussion. * Group illustration. | * Creative thinking. * Effective communication. * Decision making. | * Abacus * Place value chart. | * Identifying place values. * Writing place values. | New MK Primary MTC book 4 pg 19 – 20. |
|  |  | Place values of digits in numbers. | Values of digits in numbers.  Example 1  What is the value of each in the number  7 4 6 3 2  Tth Th H T O  (2x1)=2  (3x10)=30  (6x100)=600  (7x10,000)=70,000  (4x1000)=4000 | * Identifies the place values of digits. * Writes the place values on each digit. * Multiplies digits by their place values. * Writes the values. | * Reading values in words. | * Guided discovery * Demonstration. * Illustration. | * Creative thinking. * Effective communication. * Discussion making. | * Place value chart. * Abacus. | * Identifying place values. * Multiplying of digits by P.V. * Writing values. | New MK Primary MTC Bk 4 pag 21. |
|  |  | WHOLE NUMBERS | Expanding of numbers | Expanding of numbers   * Using place values * Using values. | * Identifies place value. * Writes the values. * Writes in expanded form. | * Reads the place values. * Reads the values. | * Illustration. * Discovery * Group work | * Effective communication. * Logical thinking * Decision making | * A place value chart. | -Identifying values.  -Writing values.  -Expanding numbers. | New MK primary MTC bk 4 pg 21. |
| 3 | 1 | Expanded numbers | What number has been expanded (7 x 1000) +(4 x 100 + (3x10) + (8 x 1) | * Multiplies the numbers correctly. * Adds the numbers. * Identifies the expanded number. | * Reads the figures. * Reads the expanded number. | * Guided discovery. * Group work. * Illustration. | * Effective communication. * Logical reasoning. | * Place value chart. | -Multiplying  -Adding  -Identifying | New MK primary MTC book 4 pg 24 |
|  | 2 | Writing words in figures and vice versa | * Writing figures in words. * Writing words in figures. | * Writes figures in words. * Writes words in figures. | * Reads figures correctly. * Reads words correctly. | * Explanation * Guided discovery * Discussion. | * Effective communication. * Creative thinking. * Logical reasoning. | * Place value chart. | -Writing  -Reading  -Arranging digits. | New MK primary MTC bk 4 pgs. 22-23 |
|  |  | Rounding off of whole numbers | * Rounding off to the nearest tens. * Rounding off to the nearest hundreds. | * Mentions the meaning of approximate. * Rounds off numbers to the nearest tens / hundreds. | * Mentions the meaning of approximate. * Reads the number given. | * Discovery * Discussion * Illustration | * Logical thinking. * Critical thinking. * Effective communication. | * Place value chart. | -Rounding off to the nearest tens / hundreds. | New MK primary MTC bk 5 pages 54 - 55 |
|  | 3 | Roman numerals | * Basic roman numerals. * Roman numerals got by repeating x, c * Roman numerals got by adding subtracting. | * Identifies roman numerals (1-500).   Adds the Roman numerals.   * Subtracts the Roman numerals. | * Recites the roman numerals. * Mentions the roman numerals obtained. | * Explanation * Discussion * Discovery. | * Creative thinking. * Problem solving. * Logical thinking. | * Chart showing roman numerals. | -Reciting the roman numerals. | New MK Primary MTC bk 4 pg 33 |
|  | 4 |  | Roman numerals | * Changing from Hindu Arabic numerals to Roman numerals. * Changing from Roman numerals to Hindu Arabic numerals. * Word problems about Roman and Hindu Arabic numerals. | * Writes the Hindu Arabic numerals in Roman numerals. * Writes the Hindu Arabic numerals correctly. * Writes the Roman numerals in Hindu Arabic. | * Recites the roman numerals. * Reads the statements given correctly. | * Explanation * Discussion * Discovery. | * Creative thinking. * Problem solving. * Logical thinking. | * Chart showing roman numerals. | -Writing the roman numerals.  -Reading the statement given. | New MK Primary MTC bk 4 pg. 34-35. |
|  |  | * Addition and subtraction of roman numerals. | * Adds Roman numerals. * Subtracts roman numerals. | * Reads the given word problem. * Recites the Roman numerals. | * Guided discussion * Illustration * Discovery. | * Problem solving. * Creative thinking. * Logical thinking. | -Adding roman numerals.  Subtracting roman numerals. | New MK Primary MTC bk 4 page 35 Oxford primary bk 4 page 67. |
| 4 | 2 | OPERATION ON NUMBERS | Adding up to ten thousand | Addition   * Without word problems. * With word problems. | * Adds numbers without word problem correctly. * Adds numbers with word problems correctly. | * Reads numbers in words. * Interprets the word problem given. | * Explanation. * Guided discussion. * Guided discovery. | * Problem solving. * Logical thinking. * Creative thinking. | * Flash cards showing numbers for addition. | Adding numbers.  Reading the word problem. | New MK MTC Bk. 4 pages 38 - 41 |
|  |  | Subtracting up to ten thousand | * Subtraction. * Without re-grouping. * With re-grouping. | * Subtracts numbers without regrouping. * Subtracts numbers with regrouping. | * Reads the numbers in words correctly. | * Explanation. * Guided discovery. * Guided discussion. | * Flash cards showing numbers for subtraction | Subtracting numbers with or without regrouping. | New MK primary MTC bk pages 42 – 43. |
| 5 | 2 | O  P  E  R  A  T  I  O  N  O  N  N  U  M  B  E  R  S | Subtracting up to ten thousand | * Subtraction with regrouping. | * Subtracts numbers with regrouping. * Arranges numbers according to their correct place values. | * Reads the numbers given in words. * Arranges numbers according to their correct. | * Explanation. * Guided discovery. * Guided discussion | * Problem solving. * Logical thinking. * Creative thinking. | * Flash cards showing numbers for subtraction | Subtracting with regrouping. | New MK primary MTC bk 4 pg 43 - 44 |
| 3 | Multiplication | **Multiplication**   * By multiples of ten 90, 80. 70 … * Three digit figures by one digit. * Two digit figures by 2 digits. * Multiplication as repeated addition. | * Multiplies given problem. * Identifies the multiples of ten. | * Reads the word problem. * Recites the multiples of ten. | * Explanation. Discussion * Discovery. | * Creative thinking. * Logical thinking. * Problem solving. | * Counters. * Multiplication table. | Multiplying numbers | New MK primary MTC bk 4 pages 46 - 51 |
| 6 |  | Division | * Division as repeated subtraction. * Without remainders. | * Divides numbers using repeated subtraction. * Divides numbers using long division methods | * Counts the number of times a number has been subtracted. | * Counters | Counting numbers that have been divided. | New MK primary mathsBk 4 pages 52 - 55 |
|  | * Division with remainders. * Division by 10s * Word problems. | * Divides numbers using long division methods. | * Recites the multiplication table. * Reads the word problems. | * Discussion. * Guided discovery. * Demonstration. | -Dividing numbers using long division.  -Multiplying.  Subtracting | New MK Primary MTC Bk 4 pages 53 – 55. |
|  |  |  | Mixed operations | * Carries out combined operations. | * Solves the number given. * Adds numbers. * Subtracts the number correctly. | * Reads the number or digits given. * Reads the statement given. | * Explanation. * Guided discussion. * Discovery. | * Problem solving. * Critical thinking. * Discussion making. | * Counters in bundles. | Solving mixed operations. | New MK Pr. MTC- 77 |
|  |  | N  U  M  B  E  R  F  A  C  T  S  A  N  D  S  E  Q  U  E  N  C  E  S | Types of numbers | Types of numbers   * Counting numbers. * Whole numbers. * Even numbers * Odd numbers. * Multiples * Factors | * Identifies the types of numbers. * Finds the missing numbers. * Finds multiples and factors | * Recites the numbers. * Counts numbers correctly. | * Explanation. * Guided discussion. * Discovery. | * Problem solving. * Critical thinking. * Discussion making. | * Chart showing examples of the types of numbers. | Giving types of numbers. | New MK primary MTC bk 4 pg. 61. |
|  |  | Number sequences | Number sequences   * By adding numbers like 2, 4, 6, … * By subtracting numbers like 6, 4, 2…… | * Identifies the next numbers by adding. * Identifies the next number by subtracting. | * Counts numbers. * Mentions the next number in the sequence. | * Chart showing number sequences. | Finding the next number in the sequences. | New MK Pr. MTC bk 4 pages 61 – 62 |
| 7 | 1 | Number sequences   * By subtracting numbers like 6, 4, 2. * Find missing numbers in a sequence | * Identifies the next number in the sequence by subtracting. | * Counts numbers. * Mentions the next number in the sequences | * Explanation * Discussion * -Guided discovery | * Problem solving. * Logical thinking. * Creative thinking | * Chart showing number sequences | Finding the next number in the sequences | New MK. Pr. MTC bk 4 pg. 62-63 |
| 4 |  |  |  |  |  |  |
| 7 | 2 | NUMBER PATTERNS AND SEQUENCES |  | Multiply by 10, 100, 1000 | Multiplies by 10, 100, 1000 | Writes multiples of 10 | * Explanation. * Discussion. * Discovery. | * Logical thinking. * Problem solving. * Decision making. | tables | Multiplying |  |
| 8 |  |  |  |  |  |  |  |  |  |

**END**