**MIDDLE CLASS- TERM TWO 2024**

**SCHEME OF WORK FOR NUMBERS**

**Learning Area 4:**

**Developing and Using Mathematical Concepts In My Day To Day Experiences:**

|  |  |  |  |  |  |  |  |  |  |
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| **Wk** | **Day** | **Learning outcome** | **Competences** | **Suggested developmental activities** | **Methods** | **Activities** | **Instructional materials** | **REF** | **REM** |
| 1 |  | Recognizing, describing and representing numbers and their relationships & solving mathematical problems with competence and confidence | I can tell similarities and differences among things and numbers | * Oral counting of objects, pictures up to 10. * Singing number songs * reciting rhymes * number games e.g one crocodile------- * One yellow duck ----- * 1, 2, 3, its time for tea etc. * Introducing number symbols 1, 2, ---- | * Rote * Play way * Discussion * Explanation * Illustration * demonstration | * counting objects * writing numbers * matching numbers to pictures * Drawing objects of the given numbers. | * Flash cards * real objects * paper work * exercise books * blackboard * slates |  |  |
| 2 |  | Recognizing, describing and representing numbers and their relationships & solving mathematical problems with competence and confidence | I can tell similarities and differences among things and numbers | * More introduction of number symbols. * Sorting objects * identifying numbers 1 to 10 * Counting objects and writing numbers 1 – 10.   e.g   = 2   = 3 | * Rote * Play way * Discussion * Explanation * Illustration * demonstration | * oral counting * Counting objects * Writing numbers * Drawing pictures. | * Cards * Objects * Pictures * printed work * charts * Exercise books |  |  |
| 3 |  | Recognizing, describing and representing numbers and their relationships & solving mathematical problems with competence and confidence | I can tell similarities and differences among things and numbers | * Application of quantitative   e.g  4 =   2 =    * Introducing figures 6 – 10 in the sequence one by one. * Matching figures to pictures. | * Rote * Play way * Discussion * Explanation * Illustration * demonstration | * Counting objects * Writing numbers * Matching numbers pictures. * Drawing objects of the given numbers. | * Flash and charts * Real objects * paperwork * Exercise books * blackboard. |  |  |
| 4 |  | Recognizing, describing and representing numbers and their relationships & solving mathematical problems with competence and confidence | I can tell similarities and differences among things and numbers | * Arranging numbers in order (no sequence) * Introducing the concept of zero. * Filling in the missing numbers. * revision of numbers 1 – 10 | * Rote * Play way * Discussion * Explanation * Illustration * demonstration | * Counting numbers * Writing numbers * Filling in the missing numbers * Arranging numbers in order | * cards * real objects * Exercise books * Charts. * Blackboard. |  |  |
| 5 |  | Recognizing, describing and representing numbers and their relationships & solving mathematical problems with competence and confidence | I can tell similarities and differences among things and numbers | * Introduction of plus sign and equals sign +, = addition of objects 1 – 5 e.g   00 + 00 = 4 | * Rote * Play way * Discussion * Explanation * Illustration * demonstration | * Counting objects and writing numbers | * Flash cards * Real objects * Counters e.g sticks and bottle tops |  |  |
|  |  | Recognizing, describing and representing numbers and their relationships & solving mathematical problems with competence and confidence | I can tell similarities and differences among things and numbers | * Addition of 6 – 10   E,g  0 0 0 + 0 0 0 = | * Listening * Reading * Writing * Speaking | * Oral work * counting following proper sequence. * Adding of pictures * Drawing pictures | * real objects * pencils * Backboard * paper work * Exercise books |  |  |
| 6 |  | Recognizing, describing and representing numbers and their relationships & solving mathematical problems with competence and confidence  Recognizing, describing and representing numbers and their relationships & solving mathematical problems with competence and confidence | I can tell similarities and differences among things and numbers  I can tell similarities and differences among things and numbers | * Introducing addition of numbers using balls.         2 + 2 = 4   * Addition of numbers without pictures e.g   4 + 1 = 5  5  C:\Users\BUSYBU~1\AppData\Local\Temp\ksohtml\wps8BFF.tmp.png+ 2  C:\Users\BUSYBU~1\AppData\Local\Temp\ksohtml\wps8C10.tmp.png | * Rote * Play way * Discussion * Explanation * Illustration * demonstration | * oral work * Counting following proper sequence * Adding of pictures * Drawing pictures. * oral work * counting following proper sequence * Adding of pictures | * Real objects * pencils * Blackboard * paper work * Exercise books. * Real objects * pencils * blackboard * paper work * Exercise books. |  |  |
| 7 |  | Recognizing, describing and representing numbers and their relationships & solving mathematical problems with competence and confidence | I can tell similarities and differences among things and numbers | * Introducing the greater number 1 to 10 using objects and pictures e.g 3 2 which number has more objects? * The number which has more objects is greater. * Introducing addition without objects of pictures e.g put the great number in the head i.e 6 + 2 = * Six in my head plus two of my fingers. | * Rote * Play way * Discussion * Explanation * Illustration * demonstration | * practical work using objects * identify and show the greater number * Printed work on paper. * Do some exercise in books. * Oral work * group work using cards * Vertical addition e.g 4 + 1 = | * real objects * charts * printed paper work * Backboard * Blackboard * Exercise books * Work written on cards. * Printed work on cards |  |  |
| 8 |  | Recognizing, describing and representing numbers and their relationships & solving mathematical problems with competence and confidence | I can tell similarities and differences among things and numbers | * Introducing “less” numbers 1 to 10 * Using objects/pictures to find the less numbers e.g. 000 0000000   C:\Users\BUSYBU~1\AppData\Local\Temp\ksohtml\wps8C11.tmp.pngC:\Users\BUSYBU~1\AppData\Local\Temp\ksohtml\wps8C12.tmp.png 3 7   * Introducing subtraction using objects and pictures     e.g.  C:\Users\BUSYBU~1\AppData\Local\Temp\ksohtml\wps8C13.tmp.pngC:\Users\BUSYBU~1\AppData\Local\Temp\ksohtml\wps8C14.tmp.pngC:\Users\BUSYBU~1\AppData\Local\Temp\ksohtml\wps8C15.tmp.pngC:\Users\BUSYBU~1\AppData\Local\Temp\ksohtml\wps8C26.tmp.pngC:\Users\BUSYBU~1\AppData\Local\Temp\ksohtml\wps8C27.tmp.pngC:\Users\BUSYBU~1\AppData\Local\Temp\ksohtml\wps8C28.tmp.pngC:\Users\BUSYBU~1\AppData\Local\Temp\ksohtml\wps8C29.tmp.png =  C:\Users\BUSYBU~1\AppData\Local\Temp\ksohtml\wps8C2A.tmp.pngC:\Users\BUSYBU~1\AppData\Local\Temp\ksohtml\wps8C2B.tmp.pngC:\Users\BUSYBU~1\AppData\Local\Temp\ksohtml\wps8C2C.tmp.pngC:\Users\BUSYBU~1\AppData\Local\Temp\ksohtml\wps8C2D.tmp.pngC:\Users\BUSYBU~1\AppData\Local\Temp\ksohtml\wps8C2E.tmp.png  = | * Rote * Play way * Discussion * Explanation * Illustration * demonstration | * Practical work using bottle tops * Individual work on cards | * real objects * Backboard * Printed work * cards. |  |  |
| 9 |  | Recognizing, describing and representing numbers and their relationships & solving mathematical problems with competence and confidence | I can tell similarities and differences among things and numbers | C:\Users\BUSYBU~1\AppData\Local\Temp\ksohtml\wps8C2F.tmp.pngC:\Users\BUSYBU~1\AppData\Local\Temp\ksohtml\wps8C30.tmp.pngC:\Users\BUSYBU~1\AppData\Local\Temp\ksohtml\wps8C40.tmp.pngC:\Users\BUSYBU~1\AppData\Local\Temp\ksohtml\wps8C41.tmp.pngC:\Users\BUSYBU~1\AppData\Local\Temp\ksohtml\wps8C42.tmp.pngC:\Users\BUSYBU~1\AppData\Local\Temp\ksohtml\wps8C43.tmp.pngC:\Users\BUSYBU~1\AppData\Local\Temp\ksohtml\wps8C44.tmp.pngC:\Users\BUSYBU~1\AppData\Local\Temp\ksohtml\wps8C45.tmp.pngIntroducing the signs of (-) Take away or subtraction  e.g = 3  C:\Users\BUSYBU~1\AppData\Local\Temp\ksohtml\wps8C46.tmp.pngC:\Users\BUSYBU~1\AppData\Local\Temp\ksohtml\wps8C47.tmp.png  4 - 1 = 3  C:\Users\BUSYBU~1\AppData\Local\Temp\ksohtml\wps8C48.tmp.png  C:\Users\BUSYBU~1\AppData\Local\Temp\ksohtml\wps8C49.tmp.png 5   * 2 | * Rote * Play way * Discussion * Explanation * Illustration * demonstration | * practical work using objects * printed work on papers * Work on cards * Exercises in books | * Real objects * Cards * Charts * Blackboard |  |  |
| 10 |  | Recognizing, describing and representing numbers and their relationships & solving mathematical problems with competence and confidence | I can tell similarities and differences among things and numbers | * C:\Users\BUSYBU~1\AppData\Local\Temp\ksohtml\wps8C4A.tmp.pngNaming the given shapes.   C:\Users\BUSYBU~1\AppData\Local\Temp\ksohtml\wps8C5B.tmp.pngC:\Users\BUSYBU~1\AppData\Local\Temp\ksohtml\wps8C5C.tmp.pngC:\Users\BUSYBU~1\AppData\Local\Temp\ksohtml\wps8C5D.tmp.pngC:\Users\BUSYBU~1\AppData\Local\Temp\ksohtml\wps8C5E.tmp.pngC:\Users\BUSYBU~1\AppData\Local\Temp\ksohtml\wps8C5F.tmp.pngC:\Users\BUSYBU~1\AppData\Local\Temp\ksohtml\wps8C60.tmp.pngC:\Users\BUSYBU~1\AppData\Local\Temp\ksohtml\wps8C61.tmp.png | * Rote * Play way * Discussion * Explanation * Illustration * demonstration | * Name the shapes * read and draw the shapes | * Card * Charts * real objects * Pictures. |  |  |