




## TWINZ SCHOOL NURSERY AND PRIMARY

### SCHEME OF WORK FOR NUMBERS FOR MIDDLE CLASS- TERM ONE

#### Learning Area 4:

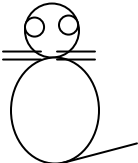
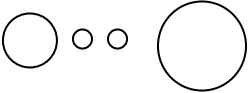
#### Developing And Using Mathematical Concepts In My Day To Day Experiences:

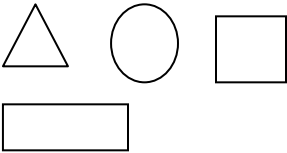
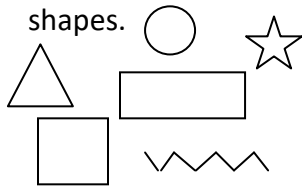
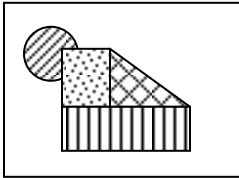
Wk	Day	Learning outcome	Competences	Suggested developmental activities	Methods	Activities	Instructional materials	REF	RE M
1	1 to 5	Surveying, knowing and distinguishing the attributes of objects.	I can identify relationship and differences between different objects and shapes.	<ul style="list-style-type: none"> <li>- Reciting a number rhyme.</li> <li>- Matching similar objects.</li> <li>- Sorting by type e.g <u>beads</u> from beans and bottle tops etc.</li> <li>- Teaching numbers through a rhyme, "one for sorrow, two for joy"</li> <li>- Finding objects according to a specific colour.</li> </ul> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <u>My red things</u>    </div> <ul style="list-style-type: none"> <li>- Copying numbers 0 – 5.</li> </ul>	<ul style="list-style-type: none"> <li>- Rote</li> <li>- Play way</li> <li>- Discovery</li> <li>- Discussion</li> <li>- Explanation</li> <li>- Illustration</li> <li>- Demonstration</li> </ul>	<ul style="list-style-type: none"> <li>- Reciting rhyme</li> <li>- matching objects</li> <li>- Sorting</li> <li>- Counting numbers.</li> <li>- Identifying objects that have the same colours.</li> <li>- Copying numbers 0 – 5.</li> <li>- Matching the same numbers 0 – 5.</li> </ul>	<ul style="list-style-type: none"> <li>- Chart</li> <li>- real objects</li> <li>- pictures</li> <li>- containers</li> <li>- Disposable plates.</li> <li>- paper work</li> </ul>	LFW 41	

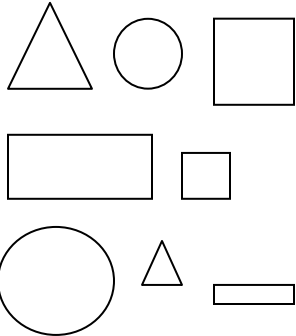
2	1 To 5	Recognizing, describing and representing numbers and their relationships and solving mathematical problems with competence and confidence.	I can tell similarities and differences among things and numbers.	<ul style="list-style-type: none"><li>- reciting a number rhyme.</li><li>- Counting numbers up to 10.</li><li>- Talking about differences, similarities and quantities.</li><li>- Showing the quantity of zero.</li><li>- Zero means nothing</li><li>- ideas leading to zero.</li><li>- How many teachers have 3 heads?</li><li>- Copying number zero</li></ul> <table><tr><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></table> <ul style="list-style-type: none"><li>- coping number 1</li></ul> e.g <table><tr><td></td><td>1</td><td>1</td><td>1</td><td>1</td></tr><tr><td>1</td><td></td><td></td><td></td><td></td></tr><tr><td>1</td><td></td><td></td><td></td><td></td></tr></table> <ul style="list-style-type: none"><li>- copying number 2</li><li>- copying number 3 - 5</li></ul>	0	0	0	0	0							1	1	1	1	1					1					<ul style="list-style-type: none"><li>- Rote</li><li>- play way</li><li>- Discussion</li><li>- Demonstration</li><li>- Explanation</li></ul>	<ul style="list-style-type: none"><li>- Reciting the rhyme</li><li>- Counting the numbers.</li><li>- Copying the numbers.</li></ul>	<ul style="list-style-type: none"><li>- Chart</li><li>- Flash cards</li><li>- paper work</li><li>- books and pencils</li><li>- real objects</li><li>- counter.</li></ul>	LFW pg 45.	
0	0	0	0	0																														
	1	1	1	1																														
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1																																		
3	1 To 5	Recognizing, describing and representing numbers and their relationships and solving	I can tell similarities and differences among things and numbers.	<ul style="list-style-type: none"><li>- reciting number rhymes.</li><li>- identifying numbers</li><li>- Sorting numbers from others.</li><li>- Talking about differences,</li></ul>	<ul style="list-style-type: none"><li>- recitation</li><li>- Play way</li><li>- Discussion</li><li>- Explanation</li><li>- Demonstration</li><li>- Illustration</li></ul>	<ul style="list-style-type: none"><li>- Miming the rhyme.</li><li>- Sorting numbers from others.</li><li>- Copying, drawing and</li></ul>	<ul style="list-style-type: none"><li>- Flash cards</li><li>- single number cards.</li><li>- paper work</li></ul>	FLW pg 45  Teachers collecti																										

		mathematical problems with competence and confidence.		<p>similarities and quantities of numbers.</p> <ul style="list-style-type: none"> <li>- Telling situations have bring out the concept of zero.</li> <li>- Copying number 4. e.g 0000 = 4 4    _    _    _ 4    _    _    _</li> <li>- Copying number 5</li> <li>- copying number 6</li> <li>- copying number 7</li> </ul>		<p>writing numbers, circling, crossing, underline correctly.</p> <ul style="list-style-type: none"> <li>- Drawing balls for numbers 0 – 5.</li> <li>- Circle the same number or given number.</li> </ul>	- books and pencils.	on.	
4	3 – 5			<ul style="list-style-type: none"> <li>- copying numbers ΥΥΥΥΥΥΥΥΥΥ 8 8 8 8    _    _    _    _ 8    _    _    _    _ 8    _    _    _    _</li> <li>- Copying number 9</li> <li>- Copying number 10</li> </ul>	- Question and answer correctly.	<ul style="list-style-type: none"> <li>- copying the numbers correctly.</li> <li>- Match and write.</li> <li>- Count and match.</li> </ul>	<ul style="list-style-type: none"> <li>- charts</li> <li>- Exercise books and pencils.</li> </ul>		
5	1 to 3	Recognizing, describing and representing numbers and their relationships and solving mathematical problems with	I can tell similarities and differences among things and numbers.	<ul style="list-style-type: none"> <li>- Reciting the Indian numbers rhyme.</li> <li>- Identifying and sorting of numbers 1 – 10</li> <li>- matching numbers to the pictures. e.g 000    2</li> </ul>	<ul style="list-style-type: none"> <li>- Play way</li> <li>- Question and answer.</li> <li>- Explanation</li> <li>- Demonstratio n.</li> </ul>	<ul style="list-style-type: none"> <li>- Role playing</li> <li>- Sorting numbers.</li> <li>- Matching numbers to pictures.</li> <li>- Match to the same numbers.</li> </ul>	<ul style="list-style-type: none"> <li>- Single number cards.</li> <li>- Flash cards.</li> <li>- paper works</li> <li>- Domino es</li> </ul>		

		competence and confidence.		<table><tr><td>00</td><td></td></tr><tr><td>0000</td><td>5</td></tr><tr><td>0000</td><td></td></tr><tr><td>0 0</td><td>8</td></tr></table> <p>- Match to the same numbers.</p> <p>e.g</p> <table><tr><td>3</td><td>7</td></tr><tr><td>5</td><td>1</td></tr><tr><td>2</td><td>3</td></tr><tr><td>6</td><td>5</td></tr><tr><td>7</td><td>2</td></tr><tr><td>1</td><td>6</td></tr></table> <p>Cross the different number.</p> <p>7 7 7 <del>1</del></p> <p>6 1 1 1</p>	00		0000	5	0000		0 0	8	3	7	5	1	2	3	6	5	7	2	1	6		<ul style="list-style-type: none"><li>- Shade for the number or colour for the numbers.</li><li>- Cross the different number.</li></ul>	<ul style="list-style-type: none"><li>- Exercise books and pencils.</li></ul>		
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0000	5																												
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6	1 To 3	Recognizing, describing and representing numbers and their relationships and solving mathematical problems with competence and confidence.	I can tell similarities and differences among things and numbers.	<ul style="list-style-type: none"><li>- Reciting the rhyme of finger names, Baby small x 2 Where are you? Here am x 2 How do you do Robby Ring ----- Tall man ----- Peter point ----- Tommy thumb ----- Fingers all x 2 Where are you. Here we are x 2</li></ul>	<ul style="list-style-type: none"><li>- Play way</li><li>- Explanation</li><li>- Question and answer</li><li>- Demonstratio n</li></ul>	<ul style="list-style-type: none"><li>- Role playing</li><li>- Reciting numbers</li><li>- Colouring balls for the numbers.</li><li>- Drawing balls to the numbers.</li></ul>	<ul style="list-style-type: none"><li>- Flash cards.</li><li>- paper work</li><li>- Number cards</li><li>- Exercise books and pencils.</li></ul>																						

				<p>How do you do.</p> <ul style="list-style-type: none"> <li>- Replace with numbers from 1 – 10.</li> <li>- Colouring balls for the numbers.</li> </ul> <p>e.g</p> <p>3 = ● ● ● 0 0 0 0 0 0</p> <p>5 = ● ● ● ● ● 0 0 0 0 0</p> <ul style="list-style-type: none"> <li>- Drawing balls for the number.</li> </ul> <p>e.g</p> <p>2 = 0 0</p> <p>7 = 0 0 0 0 0 0 0</p>					
7	1 To 2	Surveying, knowing and distinguishing the attributes of objects.	I can identify relationship and differences between different objects and shapes.	<ul style="list-style-type: none"> <li>- Identifying objects that are in a form of a circle.</li> <li>- Sorting objects which are circular from the others.</li> <li>- Sorting circle shapes from other shapes.</li> <li>- Pasting circles using torn papers.</li> <li>- Joining circles to form a cat.</li> </ul>  <p>Using cut outs</p> 	<ul style="list-style-type: none"> <li>- Discovery</li> <li>- Discussion</li> <li>- Demonstration</li> <li>- Illustrations</li> <li>- Question and answer.</li> </ul>	<ul style="list-style-type: none"> <li>- Mentioning things in a form of a circle.</li> <li>- Sorting circular objects from others.</li> <li>- Pasting circles.</li> <li>- Joining shapes.</li> </ul>	<ul style="list-style-type: none"> <li>- Real objects</li> <li>- Different shapes.</li> <li>- Glue, torn paper.</li> <li>- Cut out of circles.</li> </ul>		

8	1 to 5	Surveying, knowing and distinguishing the attributes of objects.	<p>I can identify relationship and differences between different objects and shapes.</p> <ul style="list-style-type: none"> <li>- Tearing a circle with free hands.</li> <li>- Naming the shapes given orally.</li> </ul>  <ul style="list-style-type: none"> <li>- Copying the given shapes.</li> </ul>  <ul style="list-style-type: none"> <li>- Drawing and copying the word for the given shape.</li> </ul>  <ul style="list-style-type: none"> <li>- Joining shapes to form a <u>boat</u> etc.</li> </ul>	<ul style="list-style-type: none"> <li>- Demonstration</li> <li>- Illustration</li> <li>- Discovery</li> <li>- Explanation</li> <li>- Experimentation</li> </ul>	<ul style="list-style-type: none"> <li>- Tearing out a circle.</li> <li>- Writing the names of the shapes.</li> <li>- Drawing and colouring shapes with different colours.</li> <li>- Joining the shapes to form an object.</li> <li>- Writing</li> <li>- Drawing</li> <li>- naming</li> </ul>	<ul style="list-style-type: none"> <li>- Papers.</li> <li>- Books and pencils.</li> <li>- paper work</li> <li>- colours</li> <li>- shapes</li> <li>- glue.</li> </ul>		
9	1 to 5	Surveying, knowing and distinguishing the attributes of objects.	<p>I can identify relationship and differences between different objects and shapes.</p> <ul style="list-style-type: none"> <li>- Reciting a rhyme of five little monkeys.</li> <li>- Matching the same shapes.</li> <li>- Reading the new words small and big.</li> </ul>	<ul style="list-style-type: none"> <li>- Rote</li> <li>- Demonstration</li> <li>- Explanation</li> <li>- Discovery</li> </ul>	<ul style="list-style-type: none"> <li>- Reciting a rhyme.</li> <li>- Matching same shapes.</li> <li>- Reading new words.</li> </ul>	<ul style="list-style-type: none"> <li>- chart</li> <li>- cut out shapes</li> <li>- flash cards</li> <li>- real</li> </ul>		

				<ul style="list-style-type: none"> <li>- Identifying objects which are big and small.</li> <li>- Recognising the shapes according to size and colour them as instructed.</li> </ul> 		<ul style="list-style-type: none"> <li>- naming shapes</li> <li>- colouring shapes.</li> <li>-</li> </ul>	objects		
10	4 To 5			<ul style="list-style-type: none"> <li>- Comparing objects to find which one is longer and shorter.</li> <li>- Learning the new words from different situations. Long longer Short shorter</li> <li>- naming objects</li> <li>- Drawing objects</li> <li>- Colouring objects using one situation at a time. e.g colour only the</li> </ul>	<ul style="list-style-type: none"> <li>- Play way</li> <li>- Rote</li> <li>- Explanation</li> <li>- Demonstration</li> <li>- Questions and answer</li> </ul>	<ul style="list-style-type: none"> <li>- Acting the rhyme</li> <li>- Comparison of different objects.</li> <li>- Reading new words.</li> <li>- Comparing objects.</li> <li>- Naming objects.</li> <li>- Drawing pictures.</li> <li>- Colouring</li> </ul>	<ul style="list-style-type: none"> <li>- Real objects</li> <li>- Flash cards.</li> <li>- paper work</li> <li>- Exercise books and pencils.</li> <li>- coloured pencils.</li> </ul>		

				short things.		objects.			
11	1 to 5	Surveying, knowing and distinguishing the attributes of objects	I can identify relationship and differences between different objects and shapes.	<ul style="list-style-type: none"> <li>- naming objects of different shapes.</li> <li>- matching objects according to shapes, sizes and types.</li> <li>- Cutting and pasting to form shapes.</li> <li>- Play with water, sand and soil.</li> <li>- Tracing and colouring shapes and numbers.</li> <li>- Completing the missing parts of a picture.</li> <li>- Finding the path to match similar picture/shape.</li> <li>- Revision of numbers 1 to 10.</li> </ul>	<ul style="list-style-type: none"> <li>- Play way</li> <li>- Explanation</li> <li>- Demonstration</li> <li>- Question and answer.</li> </ul>	<ul style="list-style-type: none"> <li>- Naming objects</li> <li>- matching objects</li> <li>- cutting</li> <li>- pasting</li> <li>- playing with water, sand</li> <li>- Tracing and colouring.</li> <li>- Completing the patterns of missing parts.</li> <li>- Find the path.</li> </ul>	<ul style="list-style-type: none"> <li>- papers</li> <li>- slates</li> <li>- paper work</li> <li>- scissors</li> <li>- cereals</li> <li>- glue</li> <li>- containers</li> <li>- exercise books and pencils.</li> </ul>		








## MIDDLE CLASS- TERM TWO - 2023

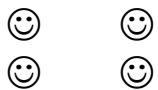
### SCHEME OF WORK FOR NUMBERS

#### Learning Area 4:

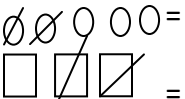
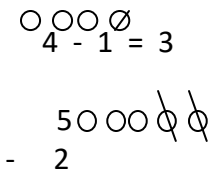
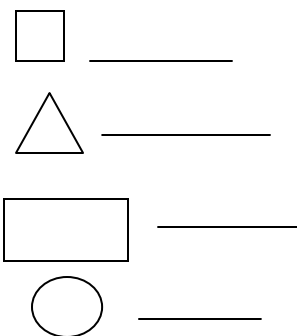
#### Developing and Using Mathematical Concepts In My Day To Day Experiences:

Wk	Day	Learning outcome	Competences	Suggested developmental activities	Methods	Activities	Instructional materials	REF	RE M
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	<ul style="list-style-type: none"> <li>- Oral counting of objects, pictures up to 10.</li> <li>- Singing number songs</li> <li>- reciting rhymes</li> <li>- number games e.g one crocodile-----</li> <li>- One yellow duck -----</li> <li>- 1, 2, 3, its time for tea etc.</li> <li>- Introducing number symbols 1, 2, ----</li> </ul>	<ul style="list-style-type: none"> <li>- Rote</li> <li>- Play way</li> <li>- Discussion</li> <li>- Explanation</li> <li>- Illustration</li> <li>- demonstration</li> </ul>	<ul style="list-style-type: none"> <li>- counting objects</li> <li>- writing numbers</li> <li>- matching numbers to pictures</li> <li>- Drawing objects of the given numbers.</li> </ul>	<ul style="list-style-type: none"> <li>- Flash cards</li> <li>- real objects</li> <li>- paper work</li> <li>- exercise books</li> <li>- blackboard</li> <li>- slates</li> </ul>		
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	<ul style="list-style-type: none"> <li>- More introduction of number symbols.</li> <li>- Sorting objects</li> <li>- identifying numbers 1 to 10</li> <li>- Counting objects and writing numbers 1 – 10.</li> </ul> <p>e.g</p> <p>  = 2</p> <p>   = 3</p> <p>-</p>	<ul style="list-style-type: none"> <li>- Rote</li> <li>- Play way</li> <li>- Discussion</li> <li>- Explanation</li> <li>- Illustration</li> <li>- demonstration</li> </ul>	<ul style="list-style-type: none"> <li>- oral counting</li> <li>- Counting objects</li> <li>- Writing numbers</li> <li>- Drawing pictures.</li> </ul>	<ul style="list-style-type: none"> <li>- Cards</li> <li>- Objects</li> <li>- Pictures</li> <li>- printed work</li> <li>- charts</li> <li>- Exercise books</li> </ul>		

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	<ul style="list-style-type: none"> <li>- Application of quantitative e.g 4 = ☆☆☆☆</li> <li>2 = ☆☆</li> <li>- Introducing figures 6 – 10 in the sequence one by one.</li> <li>- Matching figures to pictures.</li> </ul>	<ul style="list-style-type: none"> <li>- Rote</li> <li>- Play way</li> <li>- Discussion</li> <li>- Explanation</li> <li>- Illustration</li> <li>- demonstration</li> </ul>	<ul style="list-style-type: none"> <li>- Counting objects</li> <li>- Writing numbers</li> <li>- Matching numbers pictures.</li> <li>- Drawing objects of the given numbers.</li> </ul>	<ul style="list-style-type: none"> <li>- Flash and charts</li> <li>- Real objects</li> <li>- paperwork</li> <li>- Exercise books</li> <li>- blackboard</li> </ul>		
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	<ul style="list-style-type: none"> <li>- Arranging numbers in order (no sequence)</li> <li>- Introducing the concept of zero.</li> <li>- Filling in the missing numbers.</li> <li>- revision of numbers 1 – 10</li> </ul>	<ul style="list-style-type: none"> <li>- Rote</li> <li>- Play way</li> <li>- Discussion</li> <li>- Explanation</li> <li>- Illustration</li> <li>- demonstration</li> </ul>	<ul style="list-style-type: none"> <li>- Counting numbers</li> <li>- Writing numbers</li> <li>- Filling in the missing numbers</li> <li>- Arranging numbers in order</li> </ul>	<ul style="list-style-type: none"> <li>- cards</li> <li>- real objects</li> <li>- Exercise books</li> <li>- Charts.</li> <li>- Blackboard</li> </ul>		
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	<ul style="list-style-type: none"> <li>- Introduction of plus sign and equals sign +, = addition of objects 1 – 5 e.g 00 + 00 = 4</li> </ul>	<ul style="list-style-type: none"> <li>- Rote</li> <li>- Play way</li> <li>- Discussion</li> <li>- Explanation</li> <li>- Illustration</li> <li>- demonstration</li> </ul>	<ul style="list-style-type: none"> <li>- Counting objects and writing numbers</li> </ul>	<ul style="list-style-type: none"> <li>- Flash cards</li> <li>- Real objects</li> <li>- Counters e.g sticks and bottle tops</li> </ul>		
		Recognizing, describing and representing	I can tell similarities and differences	<ul style="list-style-type: none"> <li>- Addition of 6 – 10 E,g 0 0 0 + 0 0 0 =</li> </ul>	<ul style="list-style-type: none"> <li>- Listening</li> <li>- Reading</li> <li>- Writing</li> </ul>	<ul style="list-style-type: none"> <li>- Oral work</li> <li>- counting following</li> </ul>	<ul style="list-style-type: none"> <li>- real objects</li> <li>- pencils</li> </ul>		

		numbers and their relationships & solving mathematical problems with competence and confidence	among things and numbers		- Speaking	proper sequence. - Adding of pictures - Drawing pictures	- 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	<ul style="list-style-type: none"> <li>- Introducing addition of numbers using balls.   <math>2 + 2 = 4</math> </li> <li>- Addition of numbers without pictures e.g  <math>4 + 1 = 5</math>  <math display="block">\begin{array}{r} 5 \\ + 2 \\ \hline \end{array}</math> </li> </ul>	<ul style="list-style-type: none"> <li>- Rote</li> <li>- Play way</li> <li>- Discussion</li> <li>- Explanation</li> <li>- Illustration</li> <li>- demonstration</li> </ul>	<ul style="list-style-type: none"> <li>- oral work</li> <li>- Counting following proper sequence</li> <li>- Adding of pictures</li> <li>- Drawing pictures.</li> <li>- oral work</li> <li>- counting following proper sequence</li> <li>- Adding of pictures</li> </ul>	<ul style="list-style-type: none"> <li>- Real objects</li> <li>- pencils</li> <li>- Blackboard</li> <li>- paper work</li> <li>- Exercise books.</li> <li>- Real objects</li> <li>- pencils</li> <li>- blackboard</li> <li>- paper work</li> <li>- Exercise books.</li> </ul>		

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	<ul style="list-style-type: none"> <li>- Introducing the greater number 1 to 10 using objects and pictures e.g 3 2 which number has more objects?</li> <li>- The number which has more objects is greater.</li> <li>- Introducing addition without objects of pictures e.g put the great number in the head i.e <math>6 + 2 =</math></li> <li>- Six in my head plus two of my fingers.</li> </ul>	<ul style="list-style-type: none"> <li>- Rote</li> <li>- Play way</li> <li>- Discussion</li> <li>- Explanation</li> <li>- Illustration</li> <li>- demonstration</li> </ul>	<ul style="list-style-type: none"> <li>- practical work using objects</li> <li>- identify and show the greater number</li> <li>- Printed work on paper.</li> <li>- Do some exercise in books.</li> <li>- Oral work</li> <li>- group work using cards</li> <li>- Vertical addition e.g <math>4 + 1 =</math></li> </ul>	<ul style="list-style-type: none"> <li>- real objects</li> <li>- charts</li> <li>- printed paper work</li> <li>- Backboard</li> <li>- Blackboard</li> <li>- Exercise books</li> <li>- Work written on cards.</li> <li>- Printed work on cards</li> </ul>		
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	<ul style="list-style-type: none"> <li>- Introducing "less" numbers 1 to 10</li> <li>- Using objects/pictures to find the less numbers e.g. 000 0000000 ③ ⑦</li> <li>- Introducing subtraction using</li> </ul>	<ul style="list-style-type: none"> <li>- Rote</li> <li>- Play way</li> <li>- Discussion</li> <li>- Explanation</li> <li>- Illustration</li> <li>- demonstration</li> </ul>	<ul style="list-style-type: none"> <li>- Practical work using bottle tops</li> <li>- Individual work on cards</li> </ul>	<ul style="list-style-type: none"> <li>- real objects</li> <li>- Backboard</li> <li>- Printed work</li> <li>- cards.</li> </ul>		

				<p>objects and pictures</p> <p>e.g.</p> 					
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	<p>Introducing the signs of (-) Take away or subtraction</p> <p>e.g. = 3</p> 	<ul style="list-style-type: none"> <li>- Rote</li> <li>- Play way</li> <li>- Discussion</li> <li>- Explanation</li> <li>- Illustration</li> <li>- demonstration</li> </ul>	<ul style="list-style-type: none"> <li>- practical work using objects</li> <li>- printed work on papers</li> <li>- Work on cards</li> <li>- Exercises in books</li> </ul>	<ul style="list-style-type: none"> <li>- Real objects</li> <li>- Cards</li> <li>- Charts</li> <li>- Blackboard</li> </ul>		
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	<p>- Naming the given shapes.</p> 	<ul style="list-style-type: none"> <li>- Rote</li> <li>- Play way</li> <li>- Discussion</li> <li>- Explanation</li> <li>- Illustration</li> <li>- demonstration</li> </ul>	<ul style="list-style-type: none"> <li>- Name the shapes</li> <li>- read and draw the shapes</li> </ul>	<ul style="list-style-type: none"> <li>- Card</li> <li>- Charts</li> <li>- real objects</li> <li>- Pictures.</li> </ul>		




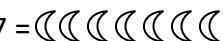
## MIDDLE CLASS- TERM THREE - 2023

### SCHEME OF WORK FOR NUMBERS

#### Learning Area 4:

#### Developing And Using Mathematical Concepts In My Day To Day Experiences:

Wk	Day	Learning outcome	Competences	Suggested developmental activities	Methods	Activities	Instructional materials	REF	RE M
1	1 To 5	Recognizing, describing and representing numbers and their relationships and solving Mathematical problems with competence and confidence.	I can count things and numbers 1 – 20	<ul style="list-style-type: none"> <li>- Counting of objects pictures up to 20.</li> <li>- Singing numbers songs</li> <li>- Reciting rhymes</li> <li>- Role play through number games e.g one crocodile one yellow duck 1, 2, 3, it time for tea Etc</li> <li>- Introducing number symbols</li> <li>- 1, 2, 3, .....20</li> </ul>	<ul style="list-style-type: none"> <li>- Listening</li> <li>- Discussion</li> <li>- Demonstration</li> <li>- Explanation</li> <li>- role play</li> </ul>	<ul style="list-style-type: none"> <li>- singing number rhymes</li> <li>- reciting number rhymes.</li> <li>- Role playing</li> <li>- Copying numbers</li> <li>- matching numbers to pictures</li> <li>- Drawing objects of the given</li> </ul>	<ul style="list-style-type: none"> <li>- real objects</li> <li>- counters</li> <li>- flash cards</li> <li>- chart</li> <li>- slates</li> <li>- pencils</li> <li>- books</li> <li>-</li> </ul>	LFW 44	Teachers resource
2	1 To 5	Recognizing, describing and representing numbers and	I can count objects, identify numbers and write them	<ul style="list-style-type: none"> <li>- Introduction of number symbols.</li> <li>- Reciting number rhymes.</li> </ul>	<ul style="list-style-type: none"> <li>- Explanation</li> <li>- Demonstration</li> <li>- Role play</li> </ul>	<ul style="list-style-type: none"> <li>- Oral counting of number 1 – 20.</li> </ul>	<ul style="list-style-type: none"> <li>- Flash cards</li> <li>- Pictures</li> <li>- chart</li> </ul>	LFW 44	Teach

		their relationships and solving Mathematical problems with competence and confidence.	correctly	<ul style="list-style-type: none"> <li>- Singing number songs.</li> <li>- Identifying numbers 1 – 20</li> <li>- Counting objects and writing numbers 1 – 20</li> </ul> <p>e.g</p> <p> = 2</p> <p> = 4</p> <p>-</p>	- illustration	<ul style="list-style-type: none"> <li>- Reciting a number rhyme</li> <li>- Drawing pictures.</li> <li>- Writing numbers</li> <li>- play number game</li> </ul>	<ul style="list-style-type: none"> <li>- printed work</li> <li>- exercise book and pencils</li> </ul>	ers collection	
3	1 To 5	Recognizing, describing and representing numbers and their relationships and solving Mathematical problems with competences and confident.	I can count things and numbers 1 – 20	<ul style="list-style-type: none"> <li>- counting numbers 1 -10</li> <li>- Matching pictures to figures.</li> <li>- Identifying figures given.</li> <li>- Counting and colouring</li> <li>- Counting and circling, ticking, underlining the correct number.</li> <li>- Applying of quality.</li> </ul> <p>5 = </p> <p>7 = </p>	<ul style="list-style-type: none"> <li>- Explanation</li> <li>- Demonstration</li> <li>- Illustration</li> <li>- Discussion</li> <li>- Play way</li> <li>- Rote</li> </ul>	<ul style="list-style-type: none"> <li>- Counting objects</li> <li>- matching pictures to figures.</li> <li>- Drawing objects for the given numbers.</li> <li>- Colouring pictures for the number.</li> <li>- Writing numbers for the pictures.</li> </ul>	<ul style="list-style-type: none"> <li>- flash cards</li> <li>- charts</li> <li>- real objects</li> <li>- blackboard</li> <li>- work cards</li> <li>- paper work</li> <li>- Exercise</li> </ul>	LFW 44 Teacher collection	
4	1 To 50	Recognizing, describing and representing	I can count things and numbers 1 – 20	<ul style="list-style-type: none"> <li>- Revision of numbers 1 – 20</li> <li>- Introducing the</li> </ul>	<ul style="list-style-type: none"> <li>- Explanation</li> <li>- Demonstration</li> </ul>	<ul style="list-style-type: none"> <li>- Reciting numbers 1 – 20</li> </ul>	<ul style="list-style-type: none"> <li>- Slates</li> <li>- b/board</li> <li>- paper</li> </ul>		

		numbers and their relationships and solving Mathematical problems with competences and confident.		<p>concept of zero.</p> <ul style="list-style-type: none"> <li>- Arranging numbers in order (number 0 - 5 sequence)</li> <li>- Filling in the missing numbers 0 - 10.</li> <li>- Finding what number comes just after another. e.g 4, __, 8, __</li> <li>-</li> </ul>	<ul style="list-style-type: none"> <li>- Illustration</li> <li>- Discovery</li> <li>- Rote</li> <li>- Discussion</li> </ul>	<ul style="list-style-type: none"> <li>- Naming situations that bring out the concept of zero.</li> <li>- Arranging numbers following the sequence.</li> <li>- Filling in exercise.</li> <li>- Find what number come just after another.</li> </ul>	work books and pencils		
5	1 To 5	Recognizing, describing and representing numbers and their relationships and solving Mathematical problems with competences and confident.	I can tell more, equal and less quantities	<ul style="list-style-type: none"> <li>- Singing a number song.</li> <li>- Revision of oral counting of numbers 1 -20.</li> <li>- Introduction of plus, and equal signs.</li> </ul> <p>+ → plus, put together, collect in on basket etc. = → equals, all of them, in one group. (addition of objects 1 – 5)</p>	<ul style="list-style-type: none"> <li>- Discussion</li> <li>- Explanation</li> <li>- Discovery</li> <li>- Demonstration</li> <li>- Rote</li> <li>- illustration</li> </ul>	<ul style="list-style-type: none"> <li>- Singing number songs.</li> <li>- Reciting numbers</li> <li>- Writing numbers</li> <li>- Drawing pictures</li> </ul>	<ul style="list-style-type: none"> <li>- Flash cards for number</li> <li>- Books and pencils</li> <li>- work cards</li> </ul>	LFW page 45	



				$\bigcirc\bigcirc + \bigcirc\bigcirc = 4$					
6	1 To 5	Recognizing, describing and representing numbers and their relationships and solving Mathematical problems with competences and confident.	I can tell more, equal and less quantities	<ul style="list-style-type: none"> <li>- Reciting a number rhyme.</li> <li>- Revision of plus and equal sign.</li> <li>- Adding pictures from 1 – 10 using the plus and equal sign.</li> <li>- Drawing and counting numbers for the answer correctly.</li> </ul> e.g $\downarrow\downarrow\downarrow + \downarrow\downarrow = 5$ $////// + //// = 10$	<ul style="list-style-type: none"> <li>- Demonstration</li> <li>- Discovery</li> <li>- Illustration</li> <li>- Explanation</li> <li>- discussion</li> </ul>	<ul style="list-style-type: none"> <li>- reciting number rhyme</li> <li>- Drawing pictures</li> <li>- Counting and adding pictures to get the correct answer.</li> </ul>	<ul style="list-style-type: none"> <li>- B/board</li> <li>- books and pencils</li> <li>- work cards</li> <li>- paper work</li> </ul>	LFW page 45	
7	1 To 5	Recognizing, describing and representing numbers and their relationships and solving Mathematical problems with competences and confident.	I can tell more, equal and less quantities	<ul style="list-style-type: none"> <li>- Singing of a number song.</li> <li>- Oral counting of pictures.</li> <li>- Introducing addition of numbers using pictures.</li> <li>- Adding and writing of correct answers.</li> </ul> e.g $\text{☺☺} + \text{☺☺} = 4$ $2 + 2 = 4$	<ul style="list-style-type: none"> <li>- Listening</li> <li>- Demonstrating</li> <li>- Explanation</li> <li>- Illustration</li> </ul>	<ul style="list-style-type: none"> <li>- Singing</li> <li>- oral counting of numbers following proper sequence.</li> <li>- Addition of pictures.</li> </ul>	<ul style="list-style-type: none"> <li>- Chart showing the number .</li> <li>- B/board</li> <li>- paper work</li> <li>- flash cards</li> <li>- work cards</li> </ul>	Teachers collection	
8	1 To 5	Recognizing, describing and representing numbers and their relationships and	I can tell more, equal and less quantities	<ul style="list-style-type: none"> <li>- Reciting a rhyme</li> <li>- Adding of numbers up to 10 orally.</li> <li>- Introducing numbers without pictures e.g <math>4 + 1 = 5</math></li> </ul>	<ul style="list-style-type: none"> <li>- Explanation</li> <li>- Discussion</li> <li>- Question and answer</li> <li>- Illustration</li> </ul>	<ul style="list-style-type: none"> <li>- Reciting a rhyme</li> <li>- Oral addition of numbers up to 10.</li> </ul>	<ul style="list-style-type: none"> <li>- B/board</li> <li>- Exercise books and pencils.</li> <li>- Work</li> </ul>	Teachers collection	

		solving Mathematical problems with competences and confident.		<div>4 + 1 ———</div> Vertically and horizontally		- Adding numbers without drawing pictures.	cards - paper work.		
9	1 To 5	Recognizing, describing and representing numbers and their relationships and solving Mathematical problems with competences and confident.	I can tell more, equal and less quantities	<div><div>- Showing objects for the number shown.</div><div>- Circle the number that has many objects.</div><div>00000      000000</div><div>e.g 5      <div>6</div></div></div>	<div><div>- Explanation</div><div>- Discussion</div><div>- Discovery</div><div>- Illustration</div></div>	<div><div>- Drawing objects for the numbers given.</div><div>- Finding and circling the number that has many objects.</div></div>	<div><div>- Flash cards for big numbers</div><div>- slates</div><div>- books and pencils.</div></div>		
10	1 To 5	Recognizing, describing and representing numbers and their relationships and solving Mathematical problems with competences and confident.	I can show one to one correspondence	<div><div>- Introducing number names from zero to five.</div><div>- Matching symbols to number names.</div><div><div>3                  six</div><div>0                  two</div><div>1                  five</div><div>2                  four</div><div>4                  zero</div><div>5                  one</div><div>6                  three</div></div><div>(b) Writing number names for the numbers.</div><div>e.g 1 = one</div></div>	<div><div>- Explanation</div><div>- Discussion</div><div>- Illustration</div></div>	<div><div>- Reading the number names.</div><div>- Matching the number names to figures.</div></div>	<div><div>- Flash cards with number names.</div><div>- B/board</div><div>- paper work</div><div>- books and pencils.</div></div>		

				5 = five (c) Counting and writing number names e.g 000 = three 0000 = four -					
11		<ul style="list-style-type: none"> <li>- Have many revision exercises for all concepts found difficult in the whole year.</li> <li>- Put in many exercise of pre – number activities</li> <li>- Revision of shapes</li> </ul>							