MIDDLE CLASS- TERM TWO

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	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	I can tell similarities and differences	- More introduction of number symbols. - Sorting objects	- Rote - Play way - Discussion	- oral counting	- Cards - Objects - Pictures		

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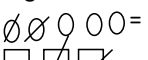|									
		numbers and their relationships & solving mathematical problems with competence and confidence	among things and numbers	- identifying numbers 1 to 10 - Counting objects and writing numbers 1 – 10. e.g ✏️ ✏️ = 2 📖 📖📖= 3 -	- Explanation - Illustration - demonstration	- Counting objects - Writing numbers - Drawing 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 &	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	- Counting objects and writing numbers	- Flash cards - Real objects - Counters e.g sticks		

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		solving mathematical problems with competence and confidence			- demonstration		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 + 2 ___	- 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.		

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| 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
   ③   ⑦
- Introducing subtraction using objects and pictures

e.g.
∅∅ 0 00 = | - Rote
- Play way
- Discussion
- Explanation
- Illustration
- demonstration | - Practical work using bottle tops
- Individual work on cards | - real objects
- Backboard
- Printed work
- cards. | | |

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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	Introducing the signs of (-) Take away or subtraction e.g = 3 ○○○∅ 4 - 1 = 3 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	- Naming the given shapes. □ _____ △ _____ ▭ _____ ○ _____	- Rote - Play way - Discussion - Explanation - Illustration - demonstration	- Name the shapes - read and draw the shapes	- Card - Charts - real objects - Pictures.		

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