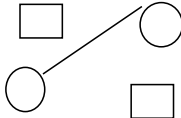




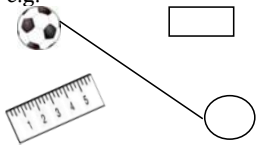
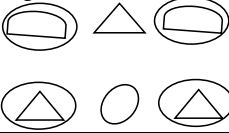



NUMBERS SCHEME OF WORK FOR MIDDLE CLASS 4-5 YEARS TERM ONE

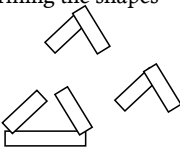
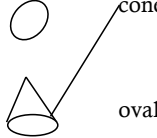
LEARNING AREA 4: DEVELOPING AND USING MATHEMATICS CONCEPTS IN MY DAY TO DAY EXPERIENCES

LEARNING OUTCOME I: SURVEYING, KNOWING AND DISTINGUISHING THE ATTRIBUTES OF OBJECTS

W K	P D	MAJOR COMPET ENCE	CONTEN T	COMPETENCES	TECH/ME THODS	IND. OF L.SKILLS & VALUES	ACTIVITIES	T/AID S	REFERE NCE	R E M
1	1	Orientation	Orientation (revision of holiday package)	The learner; - sings the song - recites the rhyme - gets the seat - tells the teacher the name	Explanation Demonstration Question & answer	problem solving logical & critical thinking self esteem	singing reciting revising holiday package	Nursery rhymes chairs papers	Nursery rhymes	
	2	Orientation		The learner; - plays with cards and blocks - learns good toilets habits	Explanation Demonstration	self-esteem talking about self logical & critical thinking	revising holiday package	cards blocks toilets	Teachers collection	
	3	Identifying relationship and differences between objects and shapes	Shapes (sorting)	The learner; - names the shapes orally - identifies the shapes in class.	Explanation Demonstration	effective communication confidence fluency	naming shapes orally reading words sorting different shapes	cut outs of shapes	Kindergarten 2 book 1 page 30-31	
	4	Identifying relationship and differences between objects and shapes	Shapes (matching the same shapes)	The learner; - names the shapes - identifies the shapes	Demonstration Explanation Question & answer	effective communication confidence fluency	naming the shapes orally reading & spelling the words matching the same shapes e.g. 	cut outs of shapes	At home with Maths 8-9 Kindergarten 2 book 1 page 32	

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2	1	Identifying relationships and differences between different objects and shapes	Shapes (matching)	The learner; - identifies the shapes - observes the objects - draws objects and shapes.	Explanation Demonstration Question & answer	critical thinking responding to questions appropriately	observing drawing objects and shapes matching objects to shapes e.g. 	cards with pictures cut outs of shapes	Kindergarten 2 book 1 page 30-31
	2		Shapes (ringing the same shapes)	The learner; - identifies the shapes - draws the shapes	Demonstration question & answer	effective communication confidence fluency	identifying drawing shapes ringing the same shapes e.g.  	cut outs of shapes	At home with Maths page 9 Kindergarten book 1 page 9
	3	Identifying relationships and differences between different objects and shapes	Shapes (underlining the different shapes)	The learner; - observes the shapes - draws the shapes	Explanation Question & answer	critical & logical thinking responding to questions	Observing the shapes Drawing the shapes underlining the different shape e.g. 	cards with shapes cut outs of shapes	Kindergarten book 1 page 9
	4		Shapes	The learner; - observes the shapes on the card - names the shapes orally	Question & answer Explanation Demonstration	critical and logical thinking problem solving	observing shapes naming completing the missing parts e.g. 	cut outs of shapes cards with shapes	Kindergarten 1 book 1 page 9







3	1	Identifying relationships and differences between different objects and shapes	Shapes	The learner; - identifies the materials to use - names the shapes on the cards. - names the materials	Demonstration Market stall Explanation	creative & logical thinking responding to questions	reading the words spelling the words forming the shapes 	cut outs of letters	Teachers collection
	2		Shapes (matching shapes to words)	The learner; - identifies the shapes - mentions the shapes - reads the names - spells them - draws the shapes	Explanation Demonstration Guided discovery	problem solving creative & critical thinking	drawing shapes reading words matching shapes to words e.g 	cut outs of shapes cards	Kindergarten 2 book 1 page 30-31
	3		Shapes (drawing)	The learner; - reads the words - spells the words - articulates the words	Explanation Question & answer Demonstration	problem solving critical thinking responding to questions	reading and spelling words drawing shapes e.g line _____ star ----- kite -----	cut outs of shapes cards	Kindergarten 2 book 1 page 31 At home with Maths page 9
	4		Shapes (forming words)	The learner; - reads the words on the cards. - spells the words for the shapes.	Demonstration Market stall Explanation	creative & logical thinking responding to questions	reading the words spelling the words forming the words with cards e.g k i t e c o n e c i r c l e o v a l	cut outs of letters	Teachers collection

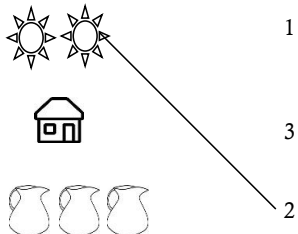
Learning outcome III: Recognising, describing and representing numbers and their relationship and solving mathematical problems.












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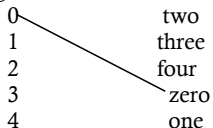
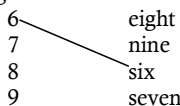
4	1	Counting things and numbers	Numbers (0 – 20)	The learner; - recites the numbers 0-20 - identifies numbers - practices the number formation	Explanation Question & answer	problem solving making choice taking decision	reciting numbers identifying numbers 0-20 counting numbers 0-20 e.g. 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15.....20	number cards counter	Mk thematic Math Practice bk page 30	
	2		Numbers (0 – 10)	The learner; - counts the numbers 0-20 - recognises numbers 0-10	Explanation Observation Market stall	problem solving logical & critical thinking	counting numbers writing numbers 0-10 e.g. 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10	number cards counters	Kindergarten book 2 page 11	
	3	Counting things and numbers	Numbers (0 – 10)	The learner; - counts the numbers - recognizes the numbers	Explanation Question & answer	effective communication confidence audibility	counting the numbers recognizing the number matching the same numbers and write e.g. 2 1 _____ 3 4 _____ 4 3 _____ 1 2 _____	number cards wall number	Mk Thematic Maths Practice book page II	
	4		Numbers (0 – 10)	The learner; - recites the numbers - recognizes the numbers	Explanation Question & answer	effective communication confidence audibility responding to questions	reciting numbers recognising numbers filling in the missing numbers 0 – 10 e.g. 0, 1, ____, 3 0, 1, 2, 3, ____, 5, ____, 0, ____, 2, 3, 4, ____	number cards counter	Maths activities for pre-primary 2 page 23	
5	1	Counting things and numbers	Numbers (0 – 10)	The learner; - counts the numbers - recognizes the numbers	Explanation Question & answer	problem solving logical & critical thinking	reciting numbers recognising numbers ticking the correct number e.g. 1 2 3	number cards	Maths activities for pre-primary 2 page 18	
	2	Counting things and numbers	Numbers (0 – 10)	The learner; - identifies the numbers - counts the numbers	Question & answer Explanation	problem solving logical & critical thinking responding to questions	reading numbers identifying the numbers writing the next number e.g. 0, 1, ____ 0, 1, 2 _____	number cards counter	Kindergarten bk 1 page 17	

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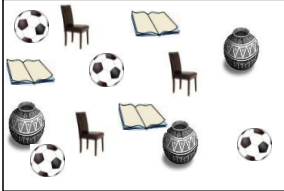
	3		Numbers (0 – 10) (number after)	The learner; - recites the numbers - identifies the numbers - recognises the numbers	Question & answer Explanation	problem solving critical & logical thinking	reciting the numbers identifying the numbers writing the number after e.g 1, 2 3, 4 7, _____ 6, _____	flash cards wall cards	Kindergarten book 1 page 17
	4	Counting things and numbers	Numbers (number between)	The learner; - recites the numbers - recognises the numbers	Question & answer Explanation Demonstration	problem solving critical & logical thinking	reciting numbers writing the number between e.g 0 <u>1</u> 2 3 <u>4</u> 5 7 --- 9	flash cards wall cards	Kindergarten book 2 page 11
6	1		Numbers (Circling the correct number)	The learner; - counts the objects - reads the numbers	Explanation Demonstration Question & answer	effective communication confidence responding to questions	counting the objects writing the numbers circling the correct number e.g  2 (3) 1  (7) 4 5  (2) 6 3	real objects picture cards	Maths Activities for Pre-Primary 2 page 28
	2	Counting things and numbers	Numbers (count and write)	The learner; - recites the numbers - counts the objects - reads the numbers - writes the numbers	Question & answer Explanation Demonstration	effective communication confidence responding to questions	counting objects reading the numbers counting and writing the numbers e.g  = 5  = 3  = 6	flash cards number cards	Maths Activities for Pre-Primary 2 page 28

	3		Numbers (matching objects to numbers)	The learner; - observes the objects - counts the objects and numbers	Demonstration Question & answer Explanation	problem solving critical & logical thinking	observing objects and numbers counting the objects and matching pictures to numbers e.g 	flash cards number cards	Maths Activities for Pre-Primary 2 page 27
	4	Counting things and numbers	Number. (Drawing objects)	The learner; - recites the numbers - recognizes the numbers - counts the objects	Explanation Demonstration Question & answer	critical thinking selecting and evaluating for the information	reciting numbers recognising the numbers counting objects drawing objects for the number e.g 6 = ○ ○ ○ ○ ○ ○ 2 = ☺ ☺ 5 = □ □ □ □ □	real objects ball counter	Little star number book page 3-12
7	1		Numbers (shading for the number)	The learner; - recites the numbers - recognizes the numbers - counts the objects	Explanation Demonstration Question & answer	problem solving critical & logical thinking	reciting the numbers recognising numbers counting the objects shading the balls for the number e.g 3 = ● ● ● ○ 8 = ○ ○ ○ ○ ○ ○ ○ ○ 4 = ○ ○ ○ ○ 7 = ○ ○ ○ ○ ○ ○ ○ ○	counters	At home with Maths page 10

	2	Counting things and numbers	Numbers (Counting the shaded objects)	The learner; - recites the numbers - counts the shaded objects	Explanation Demonstration Question & answer	creative & logical thinking responding to questions	reciting the numbers counting the shaded objects and writing the number  = 6  = 3  = 2	counters like bottle tops, counting sticks	Fun with counting page 11
	3		Numbers (Counting the shaded objects)	The learner; - recites the numbers - counts the shaded objects	Explanation Demonstration Question & answer	creative & logical thinking responding to questions	reciting the numbers counting the shaded objects writing the number  = 4  = 1  = 5	counters like bottle tops, counting sticks	Fun with counting page 11
	4	Counting things and numbers	Numbers (sorting)	The learner; - recites the numbers - identifies the numbers from the letters	Explanation Question & answer	problem solving critical and logical thinking responding to questions	reciting the numbers identifying and sorting numbers from letters 3 b 2 7 9 p k a 1 m 5 6	number cards and letter cards	Teachers collection
8	1	Counting things and numbers	Numbers	The learner; - identifies the numbers - observes the number - counts the given objects	Question & answer Explanation Demonstration	effective communication problem solving critical thinking	identifying numbers observing the numbers counting and completing the objects e.g. 4 =  6 = 	number cards counters flash cards	Mathematics Activities for pre-Primary 2 page 22
	2		Numbers (Joining objects)	The learner; - recites the numbers - draws the objects - counts the objects	Question & answer Explanation Demonstration	problem solving confidence responding to questions	reciting the numbers drawing and counting objects adding objects  +  = 	flash cards with picture	Kindergarten Maths book 4 page 5

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	3	Counting things and numbers	Numbers 0-5 (Number names)	The learner; - reads the number names - spells the number names	Explanation Market stall	friendship formation using polite language sharing	reading number names spelling number names mentioning the number names 0 – zero 3 – three 1 – one 4 – four 2 – two 5 – five	flash cards papers pencils	At home with Maths page 16	
	4		Numbers (Number words)	The learner; - reads the words - spells the words - writes number words	Explanation Demonstration Question & answer	problem solving critical & logical thinking	reading & spelling words writing words & numbers matching numbers to words e.g 	flash cards number cards	At home with Match page 16	
9	1	Counting things and numbers	Numbers 6-10 (Number words)	The learner; - reads words - spells the numbers words - articulates the number words	Question & answer Explanation	friendship formation using polite language sharing	reading the words spelling words writing the number names e.g 6 – six 9 – nine 7 – seven 10 – ten 8 – eight	flash cards number cards	At home with Maths page 16	
	2		Numbers 6-10 (Matching numbers to words)	The learner; - reads the words - spells the words - pronounces number words.	Question & answer Explanation	critical & logical thinking problem solving	reading & spelling words. pronouncing number words. matching numbers to words e.g 	flash cards number cards	At home with Maths page 16	
	3		Numbers 0-10	The learner;	Explanation	problem solving	reading the words spelling words	flash cards	At home with	

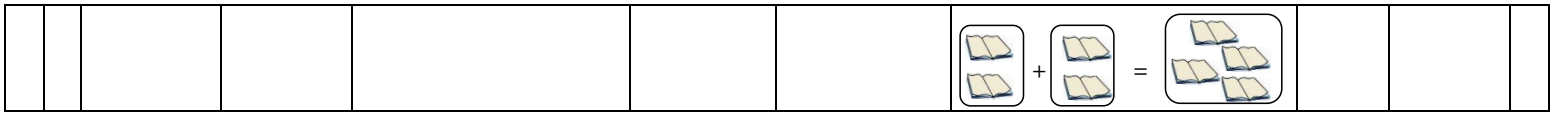
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			(Matching the same words)	- identifies the number words - reads the number names. - spells number names - articulates the number names	Question & answer	confidence responding to questions	matching same words writing the number symbols e.g <table style="display: inline-table; vertical-align: middle;"> <tr><td>one</td><td>six</td><td>_____</td></tr> <tr><td>zero</td><td>seven</td><td>_____</td></tr> <tr><td>nine</td><td>four</td><td>_____</td></tr> <tr><td>six</td><td>one</td><td>_____</td></tr> <tr><td>seven</td><td>zero</td><td>_____</td></tr> <tr><td>four</td><td>nine</td><td>_____</td></tr> </table>	one	six	_____	zero	seven	_____	nine	four	_____	six	one	_____	seven	zero	_____	four	nine	_____	number words cards	Maths page 16		
one	six	_____																											
zero	seven	_____																											
nine	four	_____																											
six	one	_____																											
seven	zero	_____																											
four	nine	_____																											
	4	Counting things and numbers	Numbers (Number names)	The learner; - recites the numbers - reads the words - spells the words - identifies the words for the number	Explanation Question & answer	problem solving critical & logical thinking	reading & spelling the words identifying the word for the number xing the correct word for the number e.g <table style="display: inline-table; vertical-align: middle;"> <tr><td>2</td><td>six</td><td>two</td><td>one</td></tr> <tr><td>10</td><td>ten</td><td>four</td><td>nine</td></tr> <tr><td>3</td><td>seven</td><td>zero</td><td>three</td></tr> <tr><td>8</td><td>one</td><td>eight</td><td>two</td></tr> <tr><td>5</td><td>five</td><td>six</td><td>four</td></tr> </table>	2	six	two	one	10	ten	four	nine	3	seven	zero	three	8	one	eight	two	5	five	six	four	flash cards number cards	At home with Maths page 16
2	six	two	one																										
10	ten	four	nine																										
3	seven	zero	three																										
8	one	eight	two																										
5	five	six	four																										
10	1	Telling more equal and less qualities	Sets (Sorting)	The learner; - counts the objects - sorts the objects - forms the groups	Explanation Demonstration Question & answer observation	effective communication accuracy fluency confidence	counting objects forming the groups naming the groups sorting the objects e.g 	real objects like books, chairs, balls, pencils	Kindergarten 2 Maths book 1 page 21																				
	2	Telling more equal and less qualities	Sets (Matching related sets)	The learner; - observes the objects in the set. - identifies the related sets.	Explanation Observation Demonstration	critical thinking Responding to questions analyzing statements	observing the objects identifying the related sets matching related sets	pencils chairs sticks balls	Kindergarten Maths book 1 page 21																				

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3	Telling equals and less quantities	Sets (Matching sets of belongings)	The learner; - observes the objects in the set. - identifies the objects and where it belongs	Demonstration Observation Explanation	creative & logical thinking responding to questions	observing objects identifying the objects and where it belongs matching sets e.g 	leaf chair pencil book	Kindergarten Maths book 1 page 21
4	Telling more equal and less quantities	Sets (Joining objects)	The learner; - counts the objects in a set. - names the objects in the sets	Demonstration Explanation Questions & answer	problem solving making choice	counting and naming objects joining the given sets e.g Joining the given sets 	real objects flash cards	Maths activities for pre-primary 2 page 38-39

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