Cla	Subj	Lesso	Skill focused	TLO	Suggested Activity	LAT
SS	ect	n no/na				
		me				
IV	Subje ct-Ma them atics	Lesson -13(Fie Id and Fence s)	Knowledge Understanding Computation Problem solving	Calculates the total length of the boundary of regular and irregular shapes. Knows the concept of perimeter	Keeping math textbook on teachers table to see how many are needed to cover it. 2.Use of graph paper to find area and perimeter of objects. 3.Find the area perimeter of irregular shapes ,including their own hands and feet by comparing them	1.Find perimeter of triangle with sides: (a) 14cm, 12cm, 9cm (b) 240m, 150m, 150m 2.Find the perimeter of square whose side is 7 cm 3.Find the perimeter using scale. (a) (b) (b)
			M	Finds the number	to a square grid.	
			(in CanStock	of squares inside a regular shape.	Solve day to day life situation example boundary of the field.	4. The perimeter of a square is 200cm. Find the length of its side.
				Solves day to day	example boundary of the held.	5. Each side of a triangle is 8 cm
			© Can Suck Photo - cspl 444 1355	life problems related to area and perimeter	Link https://youtu.be/rQ1d_IFk0R4?list=P L878190747F2AA508	and side of a square is 7 cm. Which one has more perimeter? 6. If perimeter of a rectangle is 22 m,
				Understands the	Recapitulation Activity:	What are its length and breadth? 7.Draw the different shapes by joining
				meaning of fields(area) and fences(perimeter).	Conceptual area: Intuitive understanding of length, area Material: Pencils or sticks of	two squares on a squared sheet. How long is the boundary of each shape? 8. If asquare has perimeter of 20 cm, find its side?
				Compares using threads ,graph	different lengths, irregular shapes made out of card board etc Instructions:	Draw a rectangle and square of same perimeter.

	paper, counting squares. Finds the number of squares inside a regular shape using 1 sq cm paper.	Give the child two pencils and ask: "which one is bigger and which one is shorter?" Give a pair of flat shapes and ask: "Which is bigger"? (Observe how the child keeps one on top of the other to compare area) Also observe if the child compensates for the bits that stand out. Preparatory Activity 1: Conceptual Area: Understanding length, measurement and using ruler Material: Standard scale or ruler with cm marking, Paper, Strips of paper, pencil Using the ruler with cm marking 1. Measure the lengths of strips of paper 2. Draw a line on the blank paper and measure its length Ask children to measure any thin object say (a piece of thread, hair etc) Ask children to give reasons as to why it was difficult to measure the length of thin objects accurately. What is the smallest length that you can measure accurately using the ruler with cm marking?	10. Collect 4 leaves from your garden. Trace out their edges on squared paper and find which is the biggest leaf and which is the smallest. 11. How many math textbooks needed to cover teacher's table? 12. Find out the length of a boundary /perimeterof teacher's table? 13. A hockey field is 30meters long and 55 meters wide. How long the boundary of the field?
		Ask children to draw a line segment of length 12 cm, 8 cm, 5 cm etc	

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			Ask children to o		_	A)	F	
			that is less than		ıg.	, ()	<u>5m</u>	1
			Preparatory Ac				ล์ได้	ı
			Conceptual Are			~ 5	9m	1
			length measurer				7m	15m
			Material: Ruler v			6		1
			(ruler without ze			6m		1
			objects like book		ok, pencil,			J
			pencil box, lunch	ı box			12m	
			Instructions:		1			1
			Provide children			В)		
			broken edge (ge				7m	
			mark broken or i				2m	
			and ask them to				5m	
			lengths of various objects using the		7m	7m		
			broken ruler.	1 11.	<u> </u>	A med		5m
			Name of the	Length with	Length with			
			object	broken	good	*TITE	12m	
				ruler	ruler			,
			Notebook	Tulei	Tulei		<u> </u>	,
			Pencil box		 	Word Pro	-	
			Math-Magic text		 		ound is 81 metres a	nd 45cm
			book		1		65 metres wide.	
			If a child has not	t done ni	oner		g is the boundary of	the
						playgroui	nd?	
			measurement, give the child a good ruler and ask the child to measure					
			the same object.					
			Ask them to compare the lengths of					
			the same object					
			the rulers.	mododi	od With Doti			
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Reason out the difference between the two measurements

Activity 3

Conceptual Area: Understanding length measurement and using ruler.

Material: Several objects like pencil box, geometry box, notebook, text books, square plate, circular plate, CD, objects that is longer than 15

Instructions:

Give a 15 cm ruler and observe how the child measures object which is

- a) Longer than 15 cm
- b) Which is curved
- c) Which is zigzag

Observe the strategy used and give thread, or wire if the child asks for it.

Activity 4 to 6

Activities from Math-Magic Class IV NCERT publications

- 1. Pages 149 150
- 2. Pages 151 152
- 3. Pages 153 154



Statement	m	cm
1.Length of the playground	81	45
2. Width of the playground	65	
3.Length of the playground	81	45
4.Width of the playground	65	
Length of the boundary	292 m	90 cm

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