

<u>PRE CONTENT / CONTENT / POST CONTENT</u>	<u>LEARNING OUTCOME / OBJECTIVES</u>	
<u>MEASUREMENT</u>	<u>GENERAL</u>	<u>SPECIFIC</u>
<u>PRE-CONTENT</u> - Measurement items differently <u>CONTENT</u> - Standard units - Conversion of one unit into another <u>POST CONTENT</u> - Relate to daily life	Students will be able to relate the concept of measurement to measure different items. identify the standard units of measurement of capacity. relate the units and convert from higher unit to lower unit. list out the various real life situations where measurement is needed.	Students will be able to evolve the need for measurement. recognise the use of measurement in daily life. differentiate between standard and non-standard units of measurement develop value of conservation of various resources and convert the units and use them in daily life. apply the concept of capacity and relate it to daily life.

Home Work / Assignments

Problems from MathMagic.

<u>TEACHER'S ACTIVITY</u>	<u>STUDENT'S ACTIVITY</u>	<u>TEACHER'S OBSERVATION & REMEDIAL</u>
Teacher will show an audio visual clipping emphasizing on the need for measuring things measure in capacity. create a flow chart interlinking all the standard and non- standard units used in measurement. conduct an activity using glasses, bottles and containers ask them to measure the number of glasses to be filled by 1 litre of water. ANNEXURE 7 explain the concept of conversion and relate to everyday situations.	Students will discuss the need to measure things in terms of capacity and relate to their daily life. compose their own different ways to memorize the flow chart and use it while computing problems . perform the activity and record their observations as per the instructions given to them. ANNEXURE 7 apply the concept of measurement in their daily life while performing the activity.	Teacher will write her/his observations after completion of the topic

Teaching aids – Smart Board, Textbook Mathmagic and coloured paper,bottles,glasses

Methodology – From known to unknown (deductive),Peer learning, learning by doing(activity method,Digital Technology

Interdisciplinary Links – Students will develop the value of measurement and conservation of resources.

Coordinator

HOD

Headmistress

Principal

ANNEXURE 7

Subject	MATHEMATICS
Class	IV
Chapter/Unit	Jugs and Mugs
Topic	Measuring units
Time	30 minutes
Nature of Activity	Group

What will I learn(Learning outcome)?

The familiarize students with concept of standard units of capacity in their daily life.

Skills:- Applying ,Analysing, Accuracy, Understanding.

What I have to do?

To familiarise students with the use of L and mL in daily life via learning by doing.

What do I require?

One litre empty bottle, 2 glasses, water, pencils, erasers, paper sheets.

What do I need to know?

Units of measurement of capacity.

➤ Teacher's Activity

Teacher will divide the class in the groups of 5 each and tell them to decide a group leader among themselves.

How will I proceed?**➤ Student's Activity**

- 1) Each member will bring 2 bottles/containers each of 200mL each and the group leader will 1 litre empty bottle, apart from 200mL glasses/containers.
- 2) Each group will wait for their turn to fill the 1litre bottle with water from the tap.
- 3) Each member will pour the water from the 1litre bottle to one of their containers which they had brought from home.
- 4) Ensure that the container is filled to the maximum capacity.
- 5) Keep on pouring the water from the 1 litre bottle into the containers till the last drop in that bottle.
- 6) Count the number of glasses.

What have I observed?

Each group will record their observation in the following manner:

200mL is _____ than 1 litre.(less than / greater than)

1500mL is _____ than 1 litre.(less than / greater than)

_____ times 200mL makes 1litre.

1 litre = _____ mL

What have I learnt?

Measurement of capacity is a part of everyday life. It is an essential life skill.

What am I curious to know?

Look at the buckets and mugs in your home. Guess how much water each can hold. Check if your guess is right by using measurement bottle.

Let me evaluate myself:

Q1) Use the appropriate unit (L or ml) for the following:

- a. Water in a small cup_____
- b. Capacity of water in a water tank_____
- c. Cough syrup in a spoon_____
- d. Oil in an oil tank_____
- e. Eye drop in an eyedropper_____
- f. Water in the sump_____
- g. shampoo in sachet_____
- h. Milk in a milk packet_____

Q 2) Study the table and solve

Water required by a family for different purposes in a day is as follows:

Purpose	Amount of water used
Washing clothes and utensils	35 litres
Bathing	86 litres
Cooking	8litres
Garden	3litres

Answer the following questions below:

A. The total amount of water used in a day.

B. The total amount of water used in a week.

C . The total amount of water used in a month.