



Gurukrupa College of Education & Research, Kalyan

Name of Student Teacher: Mrs. Vaishali Arade

Class: 8th Std.

Subject: Mathematics

Topic: Mensuration

Learning Objectives:

- 1. Remembering: Student will recall what they listen.**
- 2. Understanding: Student will define Mensuration in their words.**
- 3. Applying: Student will apply the gained knowledge in day to day activities.**

Core Elements:

- 1. Inculcation of scientific temper**

Core Values:

- 1. Scientific temper**
- 2. Gender equality**
- 3. Equal regard to all religions**
- 4. Neatness**

Teaching Aids:

You tube videos, Activities

Content/Sub-Points	Teacher's Activity	Student's Activity
<p>Introduction:</p> <p>1. Revise previous knowledge</p> <p>2. Mensuration</p> <p>3. Perimeter v/s Area</p> <p>2</p>	<p>Teacher ask question What is Perimeter?</p> <p><i>What is Area?</i> Teacher Explain We have learnt to find the perimeter and Area of various figures in previous class like Triangles, Rectangles, circles.</p> <p>Teacher ask question What is Mensuration?</p> <p>Teacher Explain Mensuration is the branch of Mathematics which deals with measurement of length , perimeter, area and volume of geometrical shapes in both 2D and 3D space.</p> <p>Teacher ask question Is the perimeter and area are the same terms?</p> <p>What is the perimeter and area of Triangle?</p> <p>What is the perimeter and area of Rectangle? Is they are same?</p>	<p>Student Answer Perimeter is the boundary of a closed figure. Area is the region occupied by the closed figure.</p> <p>Student Listen</p> <p>Student answer Problematic question</p> <p>Student Listen</p> <p>Student answer No, they are different terms. P- The length of boundary of closed figure and area is the whole region covered.</p> <p>Perimeter of Triangle=Addition of length of all sides (3) Area of Triangle =$\frac{1}{2}$basexheight</p> <p>For Rectangle Perimeter=$2(l + b)$ Area= $l \times b$ No. They are the different terms.</p>

Board Writing

Std.8th

Date:

Sub: Mathematics
Topic: Mensuration

Introduction of Mensuration
Perimeter
Area
Example
Assessment

Chart of 2D shapes with their
perimeter and area
[Diagrams]

Observers Remarks:

Sign of
Guide

Sign of
Observer