Learning Mensuration Practically

Objective:
• To allow students to explore finding the areas and volumes of shapes around them.
• To get them to engage and think about objects around them mathematically and to get them to use techniques of measurement and estimation.

Process:
• Divide the class into groups of 5 students each and provide each group with a piece of chart-paper and a ruler.
• Ask them to find 5 different shapes in objects around them, like books, water bottles, stairs, desks, glasses, speakers, rectangular bags, pencil boxes etc. and take relevant measurements.
• Following this, ask them to calculate, using the dimensions, the area, volume and perimeter of the objects they chose.
• The focus will be on identifying simple shapes (cubes, cuboids, and cylinders) and practically deriving areas, perimeters and volumes. List down the formulae on the blackboard, if need be.
• The groups will have to present all this on a chart paper with their calculations.

What You Need:
• Chart papers
• Pencils
• Erasers
• Sketch-pens
• Rulers