

Plane and Solid Shapes



LESSON PLAN

SPECIFIC OBJECTIVES

The students will

- learn about various plane shapes like, triangle, square, rectangle and circle.
- know about various solid shapes like, cube, cuboid, cylinder, cone and sphere.
- recognise some objects that can only roll when pushed.
- recognise some objects that can only slide when pushed.
- recognise some objects that can roll as well as slide.

CONTENTS EXPLAINED INSIDE THE CHAPTER

- Plane Shapes (pages 136 – 140)
- Solid Shapes (pages 141 – 146)
- Rolling–Sliding (page 147)

TEACHING AIDS

A variety of plane and solid objects like, triangular shaped parantha, post card, kite, pizza, etc., chalks, dusters, cell, cap, ball etc., a torch or a candle and a matchbox, sheets of paper and a pencil, a cube, a cuboid, a sphere, a cylinder and a cone made up of wood, glass or plastic, posters showing rolling–sliding.

TEACHING STRATEGY

- At the beginning of the chapter, the teacher should discuss some plane objects taken from surroundings resembling the shape of a triangle, a square, a rectangle and a circle. Also, she should explain, why a square is different from a rectangle. Thereafter, she should go through the pages 136–140 for providing more practice to the students.
- Again the teacher should discuss some solid objects taken from surroundings resembling the shape of a cube, a cuboid, a cylinder, a cone and a sphere. Also, she should explain, why

a cube is different from a cuboid. Thereafter, she should go through the pages 141–146 for providing more practice to the students.

- Further, the teacher should explain the fact that some solid objects can roll, some objects can slide while some objects can roll as well as slide, when pushed by giving suitable real-life examples. Then, she should move to page 147 for text and exercise.

EXPECTED LEARNING OUTCOMES

Students are able to

- recognise triangular, square, rectangular and circular shaped objects in their surroundings.
- understand the difference between a square and a rectangle.
- recognise cubical, cuboidal, cylindrical, conical and spherical objects in their surroundings.
- understand the difference between a cube and a cuboid.
- understand the concept of rolling–sliding.