

LESSON PLAN

SPECIFIC OBJECTIVES

The students will

- learn how to draw straight and curved lines using dot grids.
- learn how to draw different 2-D shapes using straight and curved lines on a dot grids, etc.
- be able to observe different plane shapes and compare them with each other.
- know the number of faces, edges and vertices of different solid shapes.
- be able to observe different solid shapes and compare them with each other.
- understand the tangram.
- be able to read and understand the map of a locality.

CONTENTS EXPLAINED INSIDE THE CHAPTER

- Straight Line (pages 141–148)
- Comparing Plane Shapes (pages 149–151)
- Comparing Solid Shapes (pages 151–153)

TEACHING AIDS

A square grid paper, a dot paper, a coloured paper, a pair of scissors, different types of solid objects, paper, a pencil, etc.

TEACHING STRATEGY

- First, the teacher should recall them about straight and curved lines learnt earlier in class-2. Then, she should take a dot paper and explain students, how to draw straight and curved lines using dot grids, also various 2-D shapes as given on pages 141–146 and then motivate them to do exercise 5.1 for providing more practice.
- She should discuss about various plane shapes and their features like triangle, square, rectangle, kite, pentagon, hexagon, circle, oval, etc., by giving suitable examples and assists

the students in comparing them with each other. Then she should move to pages 149–151 for related text and exercise.

- Again, she should discuss about various solid shapes like cube, cuboid, cylinder, cone, sphere, etc., the nature of faces of these solids and motivate them to make rough sketches. Also, she should encourage them to recognise their faces, edges and vertices and then assist the students to compare these solids with each other.

For text and exercise she should go to pages 151–153.

- Thereafter, she should explain them how to move up-down, left-right on a square plane and search the item at a particular position. Then, she should ask them to complete the task given under Fun Zone.
- Henceforth, the teacher should involve them in creating different shapes using 5 or 7 pieces of tangram as shown under the puzzle.
- Then, she should motivate them to enjoy the Maths Lab Activity. If needed, she should help them.
- Finally, she should give the idea of a map and encourage them to make a rough sketch of any part of their surroundings.

EXPECTED LEARNING OUTCOMES

Students will be able to

- draw straight and curved lines on a dot paper.
- draw various 2-D shapes on dot paper.
- compare different plane shapes.
- recognise the faces, edges and vertices of the solids.
- compare different solid shapes.
- create a variety of shapes by arranging 5 or 7 pieces of the tangram.
- draw a beautiful pattern on dot paper.
- understand and sketch the map of a locality.

For assessing Chapters 1–5, the teacher may assess the students using Periodic Test-2 or preparing a similar sheet.
