Data Handling

LESSON PLAN

SPECIFIC OBJECTIVES

The students will
❍ learn to record the data using tally marks.
❍ learn to present the data through a graph.
❍ know how to read and understand the graph.
❍ be able to collect data and represent it in the form of the bar graph.

CONTENTS EXPLAINED INSIDE THE CHAPTER
❍ Recording of Data (pages 130–132)
❍ Presenting Data Graphically (pages 132–136)
❍ Interpretation of Data (pages 136–140)

TEACHING AIDS
Paper, a pencil, a dice, a grid/graph paper, different types of concrete items, colour pencils/ sketch pens.

TEACHING STRATEGY
❍ First, the teacher should ask the students to do the questions given on page 129 using the given data.
❍ Then, she should involve them in collecting their own data and record it in a table. To do this, she should introduce the term 'tally marks' to the class and divide them into groups of 4–5 students for conducting a survey regarding favourite colours, fruits, vegetables, birds, animals, etc. For text and exercise, the teacher should go to pages 130–132.
❍ Further, the teacher should explain how to represent the data through a pictograph and a bar graph. She should tell them to present their recorded data through these graphs. Whenever they need help, she should guide them. For text and exercise, she should go to pages 132–136.
❍ Now, the teacher should invite the groups one-by-one with their prepared graphs and put few questions based on it to get the answer orally from the students.
❍ Now, she should go to pages 136–140 for text and exercise.

○ Thereafter, she should ask the students to perform Maths Lab Activity which will reinforce the concepts taught in the chapter.

○ Finally, the teacher should encourage them to complete the project work by conducting a survey among their neighbourhood.

EXPECTED LEARNING OUTCOMES

Students are able to

○ collect and record the data in a tabular form using tally marks.

○ present the data through pictograph using pictures and symbols.

○ display the data through bar graph.

○ read and understand the given graph.

○ answer the questions based on the pictograph and bar graph.

○ conduct a survey by interacting with people.