

## SPECIFIC OBJECTIVES

- The students learn about
- ❖ the solar system
  - ❖ the Earth

### TEACHING AIDS

Animation/pictures/charts on solar system; dwarf planet; shape of the Earth, movements of the Earth, formation of day and night, change of season, etc.

### LESSON PLAN

- ❖ Teacher will start the chapter by asking some questions about solar system based on previous knowledge of students.
- ❖ Then, teacher will discuss solar system, its eight planets, their names and order from the Sun.
- ❖ Teacher will discuss features of the Earth and explain the shape of the Earth by demonstrating some activities.
- ❖ Now, to check the understanding of topic, teacher will ask students to solve 'Checkpoint 1'.
- ❖ Now, teacher will explain the movements of the Earth.
- ❖ With the help of teaching aids and by performing activities, teacher will explain how the movements of the Earth cause day and night and bring changes in the seasons.
- ❖ Now, teacher will ask students to solve 'Checkpoint 2'.
- ❖ At last, teacher will make students revise the new terms given in 'Science Vocabulary' and sum up the lesson by going through the points given in 'Wrapping it up'.
- ❖ Now, teacher will help students to solve the questions given in 'Exercises'.

### BOOST UP

- ❖ Teacher should encourage students to carry out activities given in the chapter and discuss the information given in the 'Knowledge Desk'.
- ❖ Teacher should help students to find the answers of questions given in 'Think Zone' and encourage to do activities or projects given in 'Beyond the Text'.
- ❖ Teacher should help students in remembering order of planets by practising mnemonic given in the chapter.

- ❖ Teacher should elaborate the topic of rotation of the Earth and discuss how it affects one's biological clock when travelling to the countries of opposite side of the Earth.

### EXPECTED LEARNING OUTCOMES

The students

- ❖ know about the solar system and its eight planets.
- ❖ know the shape and movements of the Earth.
- ❖ understand the cause of formation of day and night.
- ❖ know the cause of change of seasons.

### EVALUATIVE QUESTIONS

The teacher may ask the following questions for evaluating his/her students.

1. What is an orbit?
2. What is a dwarf planet?
3. Which planet of the solar system has life on it?
4. Which planet is called a blue planet?
5. Which movement of the Earth causes day and night?
6. Why do seasons change?