



# 5

## The Earth and Its Neighbours

### LESSON PLAN

#### SPECIFIC OBJECTIVES

The students learn about

- ✧ different features of earth
- ✧ stars, constellations, the sun, the moon, planets and the solar system
- ✧ a satellite

#### TEACHING AIDS

Animation/pictures/charts on different constellations, the sun, the moon, phases of moon, surface of moon, the earth, movements of the earth; Pictures of Neil Armstrong and some other astronauts and spacecrafts; Globe

#### LESSON PLAN

- ✧ Teacher will start the chapter with 'Warm Up' section by asking simple questions on stars, the sun, the moon, etc. based on previous knowledge of the students.
- ✧ By showing a globe, teacher will tell about the shape of the earth.
- ✧ Teacher should explain the terms atmosphere and poles in a simple way.
- ✧ With the help of globe, teacher will explain the two movements of the earth.
- ✧ Teacher will add to the knowledge of students by explaining more features of the earth.
- ✧ To evaluate the understanding of the topic, teacher should ask students to solve 'Checkpoint 1'.
- ✧ Teacher will explain the features of the sun and make them understand that it is the ultimate source of energy on the earth (using teaching aids).
- ✧ Using teaching aids, teacher will make understand about solar system and its members in a simple manner.
- ✧ Teacher will explain about planets and using teaching aids, will tell that the planets move around the sun.
- ✧ Now, teacher will explain about stars that what stars are, why they look small, why they shine, etc.
- ✧ Teacher will give a simple idea of constellation with the examples given in the chapter (using teaching aids).
- ✧ Using teaching aids, teacher will explain features of moon, phases of moon, tell what a satellite is and make students understand that moon is the natural satellite of the earth.
- ✧ Teacher will also explain why moon has no life on it.
- ✧ Now, teacher will explain who astronauts are and show picture of first astronaut and some others, also those from India.
- ✧ Similarly, teacher will explain what a spacecraft is and show pictures of different spacecrafts.

- ✧ Teacher will explain the features that make the earth a liveable planet (considering the class level of students).
- ✧ To check the understanding of the students regarding chapter, teacher will ask them to solve 'Checkpoint 2'.
- ✧ The teacher will sum up the chapter by going through the points given under the head 'At One Go'.
- ✧ Finally, the teacher will help students to solve all the exercises given under the head 'Check Your Study'.

### **BOOST UP**

- ✧ Teacher can ask students to collect pictures of different constellations, planets and astronauts and paste them in their scrapbooks. They should write the name below each picture.
- ✧ Teacher can explore NASA and ISRO websites and download useful information, pictures related to heavenly bodies and space.

### **EXPECTED LEARNING OUTCOMES**

The students

- ✧ understand astronauts and spacecraft
- ✧ know more features of stars, the sun, the moon and the earth
- ✧ know about satellite

### **EVALUATIVE QUESTIONS**

The teacher may ask the following questions for evaluating learning and understanding of students:

1. What are revolution and rotation of the earth?
2. What are planets? Name them.
3. What is the difference between a star and a planet?
4. What is the difference between a planet and a satellite?
5. Why is there no life on the moon?