

**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 lesson with ‘Science Vocabulary’ section by telling the meaning/definition of new terms which are used in the chapter.
- ❖ Teacher will make the students know what the space is.
- ❖ 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).
- ❖ 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 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 explain about planets and using teaching aids, will tell that the planets move around the sun.
- ❖ Using teaching aids, teacher will make understand about solar system and its members in a simple manner.
- ❖ To evaluate the understanding of the topic, teacher should ask students to solve ‘Check Point 1’.
- ❖ 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.
- ✧ Teacher will explain the features that make the earth a liveable planet (considering the class level of students).
- ✧ With the help of globe, teacher will explain the two movements of the earth.
- ✧ To check the understanding of the students regarding chapter, teacher will ask them to solve 'Check Point 2'.
- ✧ The teacher will sum up the chapter by going through the points given under the head 'Wrapping it up'.
- ✧ Finally, the teacher will help students to solve all the questions given in the 'Exercises'.

### **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?