

## LESSON PLAN

**SPECIFIC OBJECTIVES**

The students will learn about

- ✧ night sky
- ✧ stars
- ✧ constellation
- ✧ the solar system
- ✧ satellites
- ✧ the moon, its surface and phases
- ✧ artificial satellites

**TEACHING AIDS**

**Pictures/charts/models/animations** on phases and surface of the moon; polestar; Ursa Major, different position of Ursa Major around pole star, Ursa Minor, Orion, Cassiopea, solar system and its planets; asteroid belt; meteor; comet, different positions of comet around the sun, some artificial satellites.

**LESSON PLAN**

- ✧ The teacher will start the lesson with ‘Science Vocabulary’ section by telling the meaning/definition of new terms which are used in the chapter.
- ✧ The teacher should define the features of night sky.
- ✧ The teacher should describe stars.
- ✧ The teacher should describe constellation and discuss about some constellations.
- ✧ The teacher should discuss solar system and other important members of solar system which are asteroids, meteors, meteorites and comets.
- ✧ The teacher should define the features of phases of the moon.
- ✧ The teacher should discuss about artificial satellites and their applications.
- ✧ The teacher should ask the students to solve Check Points 1, 2 and 3,
- ✧ The teacher will help the students to solve the questions given in exercises under the head ‘Let’s Drill Our Skills’ and to complete the flowchart given under the head ‘Let’s Memorise’.

### **BOOST UP**

- ✧ The teacher should ask students to explore differences between natural and artificial satellites.
- ✧ The teacher should ask students to explore some more names of constellations, other than those given in the book.

### **EXPECTED LEARNING OUTCOMES**

The students know about

- ✧ heavenly bodies.
- ✧ features of the moon, its surface and phases.
- ✧ stars and pole star.
- ✧ constellations.
- ✧ solar system and its planets.
- ✧ asteroids, meteors, meteorites and comets.
- ✧ artificial satellites and their applications.

### **EVALUATIVE QUESTIONS**

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

1. What are stars?
2. What is the difference between waxing and waning moon?
3. What is meant by lunar month?
4. How many planets does the solar system have?
5. Write the differences between meteors and meteorites.
6. What are artificial satellites?