

LESSON PLAN

SPECIFIC OBJECTIVES

- The students will learn about
- ✧ air and wind
 - ✧ thunderstorm
 - ✧ cyclones
 - ✧ tornadoes

TEACHING AIDS

Pictures/charts/models/animations on earth showing movement of air at different pressure zones, map of India showing monsoon winds; thunderstorm; cyclone; tornado.

LESSON PLAN

- ✧ Teacher will start the chapter by going through the points given in 'Know these points before you start' section.
- ✧ Teacher will define atmosphere, wind and air pressure.
- ✧ Teacher will describe the properties of air by demonstrating activities given in the chapter.
- ✧ Now, teacher will ask students to solve Check Point 1.
- ✧ Teacher will discuss the formation of wind, its causes and factors affecting its speed and direction.
- ✧ Teacher will explain wind currents and monsoon wind.
- ✧ Teacher will define thunderstorm, cyclone and tornado and discuss their causes.
- ✧ Teacher will discuss the dangers of thunderstorm, cyclone and tornado and the precautions taken during their occurrence.
- ✧ Now, teacher will ask students to solve Check Point 2.
- ✧ Teacher will make students revise the new terms given under the head 'Know These Terms'.
- ✧ Finally, teacher will help students to solve the questions given in exercises under the head 'Practice Time' and 'Think Zone'.

BOOST UP

- ✧ Teacher should demonstrate and explain activities given in the chapter.
- ✧ Teacher should discuss the information given under the head 'Something More'.
- ✧ Teacher should discuss the conversation of Annu and Mannu given in between the topics.
- ✧ Teacher may encourage students to watch TV channels like Discovery and National Geographic channel to learn more about planet Earth.
- ✧ Students should be encouraged to collect pictures of thunderstorm, cyclones and tornadoes.
- ✧ Teacher should encourage students to learn disaster management skills to cope with natural calamities like floods, cyclones, earthquakes, etc.

EXPECTED LEARNING OUTCOMES

The students know about

- ✧ air and wind.
- ✧ characteristics of air and wind.
- ✧ cyclones, tornadoes and thunderstorms, their formation, precautions taken and measures to prevent disasters they cause.

EVALUATIVE QUESTIONS

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

1. What is wind?
2. On which factors does the direction of wind depend?
3. How are winds caused?
4. What is meant by thunderstorm?
5. Explain few precautions taken during a thunderstorm.
6. What is air pressure?
7. Mention few measures taken in order to prevent cyclone disaster.