



4

Weather

LESSON PLAN

SPECIFIC OBJECTIVES

The students learn about

- ✧ weather, weather report and climate
- ✧ role of the sun in changing weather
- ✧ wind and weather
- ✧ clouds and weather
- ✧ how weather affects our life

TEACHING AIDS

Cuttings of weather reports and weather forecasts from different newspapers; Pictures of sunny and cloudy weather; Pictures/animation showing patterns of sunrays falling on the earth at noon, in morning and evening; Picture/sample/model of thermometer.

LESSON PLAN

- ✧ The teacher will start the chapter with 'Warm Up' section by asking some general questions on rainbow.
- ✧ Now, teacher will show some cuttings of weather reports and weather forecasts and discuss the information they provide and their utility.
- ✧ Teacher will also explain the role of a meteorologist in preparing weather reports and weather forecasting.
- ✧ Teacher will define the terms 'weather' and 'climate' that weather is a temporary state of atmosphere at a particular place and time, whereas climate is an average weather condition at a particular place but over a long period of time.
- ✧ Now, with the help of teaching aids, teacher will explain the role of sun in weather changes telling that
 - ▶ Towns and cities are hotter than villages.
 - ▶ Morning and evening are cooler than noon because of pattern of sunrays falling on the earth.
- ✧ Teacher will define the term 'temperature' and with the help of teaching aids will show how to measure it.
- ✧ Teacher will demonstrate activities 1 and 2 (given in chapter) in the class to explain the facts that
 - ▶ air expands on heating, becomes lighter and rises up.
 - ▶ land gets heated and loses heat faster than water.
- ✧ With the help of teaching aids, teacher will explain how wind affects the weather.
- ✧ Teacher will discuss how clouds are formed.
- ✧ Teacher will explain, how weather affects our life.

- ✧ Now, to check the understanding of students about the chapter, teacher will ask them to solve the Checkpoint given at the end of the chapter.
- ✧ 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

- ✧ Students should be asked to collect weather reports of one week of four big cities from each zone of the country. Teacher should help students to find the differences among them.
- ✧ Teacher should display a thermometer and by giving simple brief idea about its two scales, i.e., degree celsius and degree Fahrenheit, would show how body temperature is measured with it. Teacher should also explain to the students that the thermometer used for measuring body temperature is called clinical thermometer.
- ✧ Students should be encouraged to collect the pictures of cities that fall in different climatic zones.

EXPECTED LEARNING OUTCOMES

The students

- ✧ understand about weather, weather report and climate.
- ✧ can differentiate between weather and climate.
- ✧ know the role of the sun in changing weather.
- ✧ understand the role of weather in different lifestyles.

EVALUATIVE QUESTIONS

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

1. What does Weather Report column in newspapers inform us?
2. What is a meteorologist?
3. Why are mornings and evenings cooler than noon?
4. How do clouds form?