

## 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

- ✧ Teacher will start the lesson with ‘Science Vocabulary’ section by telling the meaning/definition of new terms which are used in the chapter.
- ✧ 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 the activities (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 sea and land breezes are formed.
- ❖ Now, to check the understanding of students about the chapter, teacher will ask them to solve the Check Point given at the end of the chapter.
- ❖ 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**

- ❖ 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?