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Wind, Storm and Cyclones

LESSON PLAN

SPECIFIC OBJECTIVES

The students will learn about

- ✧ air and wind
- ✧ thunderstorm
- ✧ cyclones
- ✧ tornadoes
- ✧ weather instruments
- ✧ weather forecast

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

- ✧ The teacher should start the chapter with ‘Gear Up’ and discuss the questions given in this section.
- ✧ The teacher should define air, wind and air pressure.
- ✧ Teacher should describe the properties of air by demonstrating Activities given in the chapter.
- ✧ The teacher should discuss the formation of wind, its causes and factors affecting its speed and direction.
- ✧ Teacher should explain wind currents and monsoon wind.
- ✧ The teacher should define thunderstorm, cyclone and tornado and discuss their causes.
- ✧ Teacher should discuss the adverse effects of and the precautions taken during thunderstorm, cyclone and tornado.
- ✧ The teacher should discuss the wind-related weather instruments and weather forecast.
- ✧ Teacher should discuss how weather forecast is generated and relayed and what are its benefits.

- ✧ The teacher should ask the students to solve 'Check Points' 1 and 2.
- ✧ At last, the teacher will sum up the lesson by going through the points given under the head 'Wrap Up Now'.
- ✧ The teacher will help the students to solve all the questions given in exercises under the head 'Practice Time' and will also discuss the topics given under the head 'Formative Tasks'.

BOOST UP

- ✧ Teacher may demonstrate Activity 8 to explain the formation of thunderstorm.
- ✧ Students should be encouraged to collect pictures of thunderstorm, cyclones, tornadoes and weather instruments.

EXPECTED LEARNING OUTCOMES

The students know about

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

EVALUATIVE QUESTIONS

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

1. Mention the difference between air and 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 the difference between wind vane and anemometer?
7. Mention few measures taken in order to prevent cyclone disaster.