

LESSON PLAN**SPECIFIC OBJECTIVES**

The students learn about

- ✧ natural disasters their occurrence and effects
- ✧ earthquakes, their occurrence, measurement and damages caused by them
- ✧ volcanoes, their types and effects
- ✧ tsunami, floods and droughts, their occurrence and effects

TEACHING AIDS

Pictures of damages caused by an earthquake, tsunami, flood and drought; **pictures/animation** on occurring of an earthquake, tsunami, flood, drought and eruption of a volcano; **picture/animation** of a seismograph and its working

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, with the help of teaching aids, teacher will explain the occurrence and results of some natural disasters:
 - ▶ **Earthquakes**
 - With the help of teaching aids, teacher will explain what an earthquake is, why and how it occurs and the damages it causes.
 - Teacher will discuss about the scale and instrument for measuring an earthquake (as given in chapter).
 - Teacher will also explain the terms ‘seismology’ and ‘seismologists’.
 - ▶ **Volcanoes:** With the help of teaching aids, teacher will define a volcano, magma and lava. Teacher will also discuss its types.
 - ▶ **Tsunami:** With the help of teaching aids, teacher will define tsunami, its causes and damages.
 - ▶ **Floods:** Teacher will define waterlogging and flood, and will discuss their causes. With the help of teaching aids, teacher will discuss the damages caused by flood and the ways to prevent them.

- ▶ **Drought:** Teacher will define drought and discuss its causes. With the help of teaching aids, teacher will discuss the damages caused by drought, and the ways to prevent it.
- ❖ Now, to check the understanding of students about the chapter, teacher will ask them to solve the Check Point.
- ❖ 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

- ❖ Teacher should help students to explore the names of the states where these disasters have occurred.
- ❖ Teacher should discuss some other natural disasters that occur in the world.
- ❖ Teacher should prepare lists of some major disasters such as major earthquakes, droughts, floods, etc. and the damage caused by them.
- ❖ Teacher should discuss about the rescue and help that should be given to the victims of disasters.

EXPECTED LEARNING OUTCOMES

The students know about

- ❖ some natural disasters, their occurrence and effects.
- ❖ earthquakes, their causes, measurement and damages caused by them.
- ❖ volcanoes and their types.
- ❖ causes of tsunami, floods and droughts, and damage caused by them.

EVALUATIVE QUESTIONS

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

1. What is a natural disaster?
2. Name some natural disasters.
3. On which scale is an earthquake measured?
4. What is Tsunami?
5. What are lava and magma?
6. What are active and dormant volcanoes?
7. What do you mean by waterlogging?
8. What are the causes of drought?