

LESSON PLAN**SPECIFIC OBJECTIVES**

The students will learn about

- ✧ different forms of water
- ✧ availability of water on the earth
- ✧ problem caused due to water scarcity
- ✧ groundwater – an important source of water
- ✧ water management

TEACHING AIDS

Pictures/charts/models/animations on people fetching water from a river; water cycle; drawing water from a tubewell and a handpump; water table and aquifer, irrigation by tubewell; rainwater harvesting; children planting saplings.

LESSON PLAN

- ✧ The teacher will start the lesson with ‘Science Vocabulary’ section by telling the meaning/definition of new terms which are used in the chapter.
- ✧ Now, the teacher should discuss the importance of water and causes of its scarcity.
- ✧ The teacher should discuss the three forms of water.
- ✧ The teacher should define water cycle.
- ✧ The teacher should discuss the distribution of water on the earth as rainwater, surface water and groundwater (infiltration, aquifer and water table).
- ✧ The teacher should also discuss the pattern of rainfall in India.
- ✧ The teacher should elaborate the importance of ground water, need to conserve it and depletion of groundwater.
- ✧ The teacher should discuss water management explaining the daily uses of water, water harvesting, conservation of water and awareness programmes to save water.
- ✧ Students should be asked to solve ‘Check Points’ 1 and 2.
- ✧ The teacher will help the students to solve the questions given in exercises under the head ‘Let’s Drill Our Skills’ and to complete the flowchart given under the head ‘Let’s Memorise’.

BOOST UP

- ✧ The teacher should ask each student to participate in a debate on the 'Importance of water'.
- ✧ The teacher should ask each student to suggest some ways to remove scarcity of water.
- ✧ The teacher should assign Activities given in the chapter as home assignments and ask students to discuss the results in the class.
- ✧ The teacher may encourage the students to make an 'Environment Club' at school to create awareness in school students for managing water resources.

EXPECTED LEARNING OUTCOMES

The students know about

- ✧ necessity of water.
- ✧ problems faced by people when there is no availability of water.
- ✧ different forms of water.
- ✧ importance of groundwater and its depletion.
- ✧ water management.

EVALUATIVE QUESTIONS

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

1. Mention importance of water.
2. Explain the problems caused due to scarcity of water.
3. Write the three forms of water.
4. What is meant by water table?
5. In which forms is the surface water found?
6. Mention the major causes of water depletion.