

Compact Science 8

1

Crop Production

LESSON PLAN

SPECIFIC OBJECTIVES

The students will learn about

- ✧ agriculture and crop plants
- ✧ crops and crop plants
- ✧ types of crops and crop seasons in India
- ✧ basic agricultural practices
- ✧ food from animals

TEACHING AIDS

Pictures/charts/models/animations on some rabi and kharif crops; basic agricultural practices — ploughing, levelling, sowing seeds, transplantation, manuring, traditional and modern methods of irrigation, weeding, harvesting, threshing, grain storage (silos, granaries); mixed cropping; food items obtained from farm animals.

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, teacher should explain agriculture. Teacher should also explain crops, crop plants, types of crops and crop seasons in India.
- ✧ The teacher should explain basic agricultural practices, i.e., preparation of soil, selection and sowing of seeds, application of manures and fertilisers, irrigation, weeding, harvesting, threshing and winnowing and finally storage of grains.
- ✧ Teacher should demonstrate Activity 1.
- ✧ The teacher should also discuss the methods of restoring soil fertility.
- ✧ Teacher should discuss food obtained from animals and introduce the basic idea of animal husbandry.
- ✧ Students should be asked to solve Check Points 1, 2 and 3.

- ✧ 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 encourage the students to collect pictures of different crops, agricultural tools, seed, etc.

EXPECTED LEARNING OUTCOMES

The students know about

- ✧ agriculture and basic agricultural practices.
- ✧ crops and the crop plants.
- ✧ crop seasons of India.
- ✧ food obtained from animals.

EVALUATIVE QUESTIONS

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

1. What is meant by agriculture?
2. What do you mean by tilling?
3. What is essential for getting a better yield of crops?
4. Write the differences between manures and fertilisers.
5. Mention the traditional methods of irrigation.
6. Mention the methods adopted for removing weeds from a crop field.
7. Define waterlogging.