

3

Fibres

LESSON PLAN

SPECIFIC OBJECTIVES

The students will learn about

- ✧ fibres and fabrics
- ✧ animal fibres
- ✧ wool – how wool is obtained
- ✧ silk – how silk is obtained
- ✧ occupational hazards of wool and silk industries

TEACHING AIDS

Pictures/charts/models/animations on wool-yielding animals, shearing of sheep, scouring, carding, spinning, weaving of wool; wool mark; life cycle of silk moth, obtaining silk fibre from cocoon.

LESSON PLAN

- ✧ The teacher should start the chapter with ‘Gear Up’ and ask the questions given in this section.
- ✧ The teacher should define fibres and their types, i.e., fibres obtained from plants and animals.
- ✧ Now, the teacher should teach the animal fibres (wool and silk) in detail, i.e., wool and silk-yielding animals, the steps involved in producing wool and silk, etc.
- ✧ Teacher should discuss occupational hazards of wool and silk industries.
- ✧ The teacher should discuss the burning characteristics of natural and synthetic fibres by performing Activity 3.
- ✧ Students should also be asked 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 should give Activities 1 and 2 as home assignment and ask students to discuss the results in the class next day.
- ✧ Teacher may ask students to collect samples of wool and silk fibres and pieces of clothes made with them.
- ✧ Students should be encouraged to collect more information on wool mark.
- ✧ Students should be encouraged to get information on different types of silk.

EXPECTED LEARNING OUTCOMES

The students know about

- ✧ fibres and fabrics.
- ✧ animal fibres and their kinds.
- ✧ rearing and breeding of sheep to get wool.
- ✧ discovery of silk and its production.
- ✧ life cycle of silk moth.
- ✧ occupational hazards of wool and silk industries.

EVALUATIVE QUESTIONS

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

1. Write the differences between fibres and fabrics.
2. Name two animal fibres.
3. Which part of animals is wool obtained from?
4. What is meant by scouring?
5. Define sericulture.
6. Describe life cycle of silk moth.
7. How is silk obtained from cocoon?