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Cloth Materials – Fibre to Fabric

LESSON PLAN

SPECIFIC OBJECTIVES

The students will learn about

- ✧ fibres and fabrics
- ✧ natural and man-made 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 will start the lesson with ‘Science Vocabulary’ section by telling the meaning/definition of new terms which are used in the chapter.
- ✧ The teacher should define fibres and their types, i.e., fibres obtained from plants and animals.
- ✧ Now, the teacher should discuss wool and silk-yielding animals and the steps involved in producing wool and silk.
- ✧ The teacher should discuss occupational hazards of wool and silk industries.
- ✧ 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 give Activities 1 and 2 as home assignment and ask students to discuss the results in the class next day.

- ❖ The 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. What are 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?