

# 3

## Cloth Materials — Fibre to Fabric

### LESSON PLAN

#### SPECIFIC OBJECTIVES

The students will learn about

- ❖ importance of clothes
- ❖ fibres and fabrics
- ❖ types of fibres
- ❖ cotton, jute, silk and wool producing states and how they are obtained
- ❖ history of clothing

#### TEACHING AIDS

**Pictures/charts/models/animation** on clothes worn by people of different states; natural and man-made fibres; cotton plant with bolls, cotton clothes, map of India showing cotton and jute growing states; process of obtaining cotton, jute, silk and wool; jute articles, clothes; ancient clothing (all as given in chapter).

#### 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.
- ❖ The teacher should tell the students a brief history of clothing material and the importance of clothes.
- ❖ Now, teacher will discuss how different types of fabrics are identified and what a fabric is made of by performing Activities 1 and 2 respectively.
- ❖ The teacher should explain the characteristics of natural and man-made fibres.
- ❖ The teacher will discuss the properties, process of obtaining and uses of cotton, jute, silk and wool.
- ❖ The teacher should also explain the process of weaving to make fabrics.
- ❖ The teacher should discuss the features of flax and the things made of it.
- ❖ Students should be asked to solve the questions of 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**

- ✧ First, the teacher should make groups of students. Now, teacher should write the characteristics, i.e., texture, appearance and water-absorbing capacity of four kinds of fibres. Then, he/she should call one student of each group one-by-one and ask him/her to write the name of fibre of the given characteristics.
- ✧ The teacher should also ask the students to write two items each of natural and artificial fibres.

## **EXPECTED LEARNING OUTCOMES**

The students understand and know the

- ✧ history of clothing since early age till today.
- ✧ importance of clothes.
- ✧ differences between natural and man-made fibres.
- ✧ process of making fabric from fibre.
- ✧ different types of fibres such as cotton, jute, silk, wool and flax.

## **EVALUATIVE QUESTIONS**

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

1. Name two natural fibres.
2. How are synthetic fibres made?
3. Why do we feel cool to wear cotton clothes in summer?
4. What is meant by retting of fibres?
5. What is the difference between spinning and ginning?
6. Which fibre is called the golden fibre?