

# 3

## 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

- ✧ First, the teacher should start the chapter with Gear Up and discuss the questions asked in the section.
- ✧ The teacher should teach the students about the importance of clothes and discuss clothes worn by people of different states.
- ✧ 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 teach the students about 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 yarn weaving to make fabrics by performing Activity 3.
- ✧ The teacher will also discuss the history of clothing since early man to running modern era.
- ✧ Teacher should discuss the features of flax and the things made of it.
- ✧ Teacher will perform the burning test to identify the yarn as given in Table 3.2.

- ✧ Students should also be asked to solve the questions of Check Point 1 given at page 36 and Check Points 2 and 3 given at pages 39 and 41 respectively.
- ✧ 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 the questions given in exercises under the head 'Practice Time' and will also discuss the topics given under the head 'Formative Tasks'.

### **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

- ✧ 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.
- ✧ clothing since early age till today.

### **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?