

## **Lesson Plan: Cultivating Mango Trees and Understanding Agricultural Expectations**

### **Objective:**

- To understand the process of planting and nurturing mango saplings.
- To identify common expectations and goals in agriculture.
- To discuss and document the necessary steps for successful cultivation in a Science Diary.

### **STD : VII**

### **Duration:**

- 60 minutes

### **Materials:**

- Writing tools
- Visual aids (pictures of mango trees, seeds, saplings, etc.)

### **Procedure:**

#### **Introduction (10 minutes):**

1. Begin by asking students if they have seen different types of mango trees in their surroundings and homes.
2. Encourage students to share any experiences they have had with planting or nurturing plants, particularly mango saplings.
3. Introduce the main topic: planting and nurturing mango saplings, and the expectations associated with it.

#### **Discussion on Expectations (15 minutes):**

1. Engage students in a discussion about their expectations when planting and nurturing a mango sapling.
2. Guide the discussion towards common agricultural goals, such as quick yield, plentiful yield, and good quality yield.
3. Facilitate the understanding that these goals are not exclusive to mango cultivation but are common across various agricultural practices.

#### **Activity: Group discussion (20 minutes):**

1. Divide the students into small groups.
2. Instruct the groups to discuss among themselves and write down the necessary steps to achieve the common agricultural goals mentioned earlier.
3. Encourage students to consider factors like soil quality, watering, fertilization, pest control, and proper care techniques.
4. Circulate among the groups to provide guidance and answer any questions.

#### **Sharing and Reflection (10 minutes):**

1. Have each group share their findings with the class.
2. Encourage students to reflect on the similarities and differences in their approaches to achieving the agricultural goals.
3. Summarize the discussion by emphasizing the importance of using good seeds/planting materials and proper care practices.

**Conclusion (5 minutes):**

1. Reinforce key points discussed during the lesson.
2. Encourage students to apply the knowledge gained in their own gardening or agricultural activities.
3. Remind students to regularly update their Science Diaries with new observations and learnings.

**Assessment:**

- Informal assessment through participation in discussions and group activities.
- Review of Science Diaries for completeness and accuracy of information recorded.