

Kaushal Bodh Project File Class 7

Activity: Plant Nursery

Portfolio Page (Designed by Student)

(You can decorate this page with drawings of plants, pots, watering cans, or a nursery scene. Use colored pens or sketches to make it creative.)

MODULE I: Working With life forms

Title: **Plant Nursery – Growing Knowledge with Nature** Student's creative design: Draw a border of leaves, flowers, or saplings.

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1. About the Activity

- The **Plant Nursery activity** involves growing plants in pots, beds, or trays.
- It teaches how to prepare soil, sow seeds, water plants, and care for them until they are ready for transplantation.
- The nursery acts as a **mini-laboratory of nature** where students learn patience, responsibility, and environmental care.

2. Learning Objectives

- To understand the **importance of plants** in our lives.
- To learn the **process of growing saplings** in a nursery.
- To develop **practical skills** in gardening and plant care.
- To promote **environmental awareness** and sustainable living.

3. What I Learned

- Plants need **sunlight, water, air, and nutrients** to grow.
- Proper soil preparation and spacing are essential.
- Regular watering and protection from pests are necessary.
- Growing plants requires **patience and responsibility**.

4. Skills I Developed

- **Gardening skills** – soil preparation, sowing, watering.
- **Observation skills** – noticing changes in plant growth.
- **Time management** – caring for plants daily.
- **Teamwork** – working with classmates in the nursery.
- **Environmental sensitivity** – understanding the value of greenery.

5. Process Followed

Activity 1: Visit to a nearby plant nursery During your visit to the nursery, observe how essential factors, such as air, sunlight, water, humidity, temperature, and nutrition are maintained.

Write the details of your visit(s) and interaction with the expert in the following format:

1. Date of visit:

2. Name of nursery visited:

3. Type of nursery (e.g., vegetable, fruit, flowering plants, ornamental plants):
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4. Types of plants grown (e.g., vegetable, flowering, fruit, etc.):
.....

5. Nursery tools and equipment used:

6. Management practices, such as watering, pest control, nutrient, etc.
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Activity 2: Preparing the land and sowing the seeds

- Selection of plants and seeds – choosing suitable varieties.
- Soil preparation – mixing soil with manure for fertility. (Attach Photos)
- Propagation methods used:
Stem Propagation – cutting stems of plants like rose or hibiscus and planting them in soil.
Root Propagation – dividing roots of plants like turmeric or ginger to grow new plants.
Seeds – sowing seeds of vegetables and flowers in nursery beds.
- Watering and care – regular watering, protection from pests.
- Observation – recording growth changes daily.
- Transplantation – shifting saplings to larger pots or garden beds when ready.
- Students will prepare the record of nursery as follows:

Name of the plants produced in nursery	Types of nursery Method used	Quantity Produced	Date of germination/Planting

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6. Challenges Faced

- Seeds did not germinate in some cases.
- Overwatering led to weak plants.
- Protecting plants from insects was difficult.
- Managing time for daily care was challenging.

7. Self-Reflection

- This activity taught me the **value of hard work and patience**.
- I realized that plants are living beings and need care like us.
- I felt proud when the seeds grew into healthy saplings.
- The nursery experience made me more **responsible and environmentally conscious**.