CHAPTER: THE PLANT FAIRY

Grade: **3**
Board: **CBSE**
Book: **NCERT**

1.

Chapter Summary and Placement

Read through the following to understand the gist of the lesson.

The chapter introduces to the diversity in plants and allows the children to explore and analyse them in their surroundings. The chapter also throws light on the importance of plants in human life.

2.

LEARNING OUTCOMES

<On completion of the chapter, students will be able to:>

1. List the plants which they see around them
2. Classify the familiar plants based on the different sizes of plants.
3. Understand the need for growing plants.
4. Understand the features of leaves: color, shape and margins; their similarities and differences.

3. PREVIOUS KNOWLEDGE REQUIREMENT

<The below points should be refreshed before introducing the chapter:>

1) Recognize the different parts of plants and different types of leaves in their living surroundings.
2) Recognize leaves belonging to different trees (a few common ones)

4. TEACHING PLAN

Follow this section for getting ideas on teaching the content covered in the chapter. The subtopic given in the first column with the matching learning outcome can be explained using instructions and resources listed subsequently

Subtopic and Learning Objective #1

LO: :List the plants which they see around them, draw their sketches.

Teacher Activity

1. The teacher can carry a small potted plant or a twig to the class. She can ask the students to name the three main parts of a plant : Roots, stem and leaves.
2. Ask students to recall the various types of plants which they see in their surroundings: Are they all similar? What helps us in recognising them?
3. Expect answers ike their height, look, color, flowers etc
4. Perform **Activity 1**

Check for understanding:

a) Name any two plants that you have in your house?
b) Do they bear fruit or have flowers?

Resources Suggested

Textbook, chalkboard, A small potted plant or a twig

Activity 1

Name of the activity – Sketch the shapes of a few plants and mention their identifying feature.
Type of activity – Individual
Learning Objective: List the plants which they see around them
Use it for – Observing plants around them
Materials – Paper, pencil, eraser, crayons

Teacher instructions:

1. Ask students to take a stroll in the surrounding garden in school or at home
2. Pick one plant which catches their attention
3. Find out its name from the teacher or an adult
4. Sketch the plant and mention the feature which helps them to identify it
5. Post class discussion can be based on the wide variety of plants which exist

Subtopic and Learning Objective #2

LO: Classify the familiar plants based on the different sizes of plants.
Understand the need for growing plants.

Teacher Activity

1. Draw the attention of students towards the variety in sizes of plants around them. They may range from small twigs of grass to large banyan trees.
2. Explain the classification of plants based on their size: herbs, shrubs and trees.

a) Herb: A plant which doesn't have a woody stem and dies after flowering.Examples are Basil/Tulsi, Mint/Pudina, Cilantro/Coriander.

b) Shrub: A woody plant which is smaller than a tree and has several main stems arising at or near the ground. Examples are Rose, Lemon and Henna are examples of shrubs.

c) Trees: A woody plant, having a single stem or trunk growing to a considerable height and bearing lateral branches at some distance from the ground. Examples are Teak, Banyan and Neem are examples.

d) Display **Resource 1** in the classroom.

3. Perform **Activity 2** for the students to understand the classification better.
4. The teacher can then explain why plants are important: give oxygen, keeps temperature cooler

Check for understanding:

a) Give one example for all the following:-
Herb, Shrub and Tree

Resources Suggested

NCERT textbook, Resource 1, Pencil paper

Activity 2

Name of the activity – Classify the plants they see
Type of activity – Individual
Learning Objective: Recall the classification of plants and try to classify them.
Use it for – Understanding the diversity in plants
Materials – Paper, pencil,eraser

Teacher instructions:

1. The teacher may take the students to a nearby garden.
2. Ask the students to notice the different types of plants they see around them.
3. They should then classify the plants into three categories: Trees, bushy plants, small plants, in a tabular format.
4. The shape of the leaf can be sketched under that heading. For example if they find a Banyan tree, they can put then under the classification tree and outline the shape from what they see.
5. The teacher may help the students to classify in case they are confused
6. The teacher can select best picture from each student and have an exhibition or ask the students to create a scrapbook of the shapes of leaves they have made.
7. The students can also collect fallen leaves and bring them back for the next class.

Resource 1:

Coriander



Tulsi



Mint



A few herbs

Henna



Rose



Jasmine



A few shrubs

Banyan



Palm



Teak



A few trees

Subtopic and Learning Objective #3

LO: Understand the features of leaves, their similarities and differences.

Teacher Activity

1. Ask the students to collect different types of leaves from their surroundings and bring them to the class. They can do so while carrying out activity 2.
2. The students should be specially instructed not to pluck leaves from plants. They should collect the fallen ones.
3. The teacher can also take a few leaves to the class.
4. Display the leaves and draw students attention towards the features of leaves: their color, shape and margins

- Color: may range from yellow to light green to dark green to blue
- Shape: narrow to broad to round to oval
- Margins: smooth or dissected

5. Perform Activity 3 and 4

Check for understanding:

a) Give one example for all the following:-
Herb, Shrub and Tree

Resources Suggested

NCERT textbook,Pencil and paper

Activity 3

Name of the activity – Notice me well!!!
Type of activity – Individual
Learning Objective: Understand the vocabulary that me be used to describe the features of a leaf
Use it for – Explaining the features of different type of leaves
Materials – Paper, pencil,eraser, leaves

Teacher instructions:

1. The teacher should give the instructions to collect leaves a day before.
2. Each student should have three to four leaves with them.
3. The student should write the shape and size, color and margin of each leaf in their notebook in the table below.
4. A list describing words can be provided:

Color: Light green, dark green, yellow, purple, white
Shape and size: big, small, thin, broad, oval, round, long
Margins: smooth, dissected

	Colour	Size and shape (Draw a picture if necessary)	Margins
1			

Activity 4

Name of the activity – Craft with leaves
Type of activity – Group
Learning Objective: Analyse the creative things to do with dried leaves .
Use it for – Enhance creativity and imagination
Materials – Leaves, chart paper, glue, scissors.

Teacher instructions:

1. The teacher should divide the total number of students into groups.
2. The students should collect the leaves they have and decide upon figure or a craft.

a) They can make figures of animals.
b) They can create wall hangings by sticking the leaves together and coloring them.
c) The teacher can refer to this link for more ideas .
https://www.youtube.com/watch?v=nBDhyukfooo

3. The teacher may help them with small hints to make their craft better.

5. WORKSHEETS

Print or copy the worksheet questions on the blackboard and ask the students to attempt them. They can be given as homework or a class test as well.

Worksheet 1

Use it like: Class test, Home assignment, Revision

Classify the images given below based on their size:

a) **Small Plants: _____**
b) **Bushy plants: _____**
c) **Trees: _____**



1



2



3



4



5



6



7



8



9

Worksheet 2

Use it like: A class test, home assignment, revision

Find the differences and similarities between the following pair of leaves. Use describing words based on size and shape, color and margins to differentiate









2





3





4





5

6. SOLUTIONS

This section gives you sample answers for activities and questions listed above.

Worksheet 1

1. Small plant
2. Tree
3. Bushy plant
4. Small plant
5. Small Plant
6. Bushy plant
7. Tree
8. Bushy Plant
9. Tree

Worksheet 2

1. The first leaf is plain and the other has lots of fold/wrinkles. Shape is slightly different
2. The first leaf is a little darker than the second one. The stripes in the second leaf are more visible.Shape is slightly different
3. The edges of the second leaf has rough pattern compare to the first. The first leaf is darker compared to the second.
4. First one is striped and the other is plain. The shape of the edges are different.
5. The first one has darker color and smaller in size compared to the second which is lighter in color and has larger leaves.

7. EXTRA RESOURCES

Carry out the following suggested activities/ tasks if you have the time and resources to do them

1. **Reference Video links:**

   The students can be suggested to watch the following videos/ shown in class:
   https://www.youtube.com/watch?v=gnRvzQ89gSQ

   https://www.youtube.com/watch?v=F1MR2gQ3AC0

2. **Extension activity 1:**

   Carry out the following suggested activities/ tasks if you have the time and resources to do them

   Purpose: Observe and make inferences to develop their knowledge of local plants

   The teacher may ask the students to collect leaves of different plants and stick it on small square shaped chart paper. The student can bind all the chart papers together to make it as a file. The student can find out the name of the plant to which the leaves belong with the help of a book/ teacher or an adult

1. **Extension activity 2:**

   Carry out the following suggested activities/ tasks if you have the time and resources to do them

   Purpose: Discuss uses of leaves in everyday life

   The students can be asked to make a list of leaves which they:

   1. **Eat**
   2. **Used as medicine**