

TOPIC :GETTING TO KNOW PLANTS

Pre-content/Content/ Post Content	Learning Outcome/ Objectives	
<u>PRE-CONTENT</u> Start interactive discussion / brainstorming section on following questions 1. Why do you think life is impossible without plants? 2. What kind of plants do you see around? <u>CONTENT</u> • Parts of a plant • Classification of plant • Modification of roots • Stem • Leaf • Parts of Flower <u>POST CONTENT</u> Students will be able to classify plants, discuss functions of stem, leaf and will be able to separate out different part of Hibiscus (China Rose) into- Sepals, Petals ,Anther , Filament (stamen),Stigma, style, ovary (pistil)	General Students will be able to :- • recall the different types of plants present around us • list the different parts of a plant • classify plants as herbs ,shrubs ,trees, creepers and climbers on the basis of their characteristics • differentiate between tap and fibrous root • explain the functions of stem • draw and label the different parts of a leaf • differentiate between parallel and reticulate venation • draw and explain the important function- photosynthesis of leaf • separate and label the different parts of a flower • appraise the selfless role of plants in nature	Specific Students will be able to :- • identify and distinguish the different types of plants • draw and label the different parts of a plant • recognize ,compare and categories plants on the basis of their heights • appreciate the different functions of root and identify its two types • deduce why the stem is called two way street • identify its different parts • identify and correlate between roots and the two types of venation • list the different functions i.e. Transpiration, Respiration • interpret the importance of the different parts of a flower • create environmental concern for saving plants and trees

HOMEWORK/ASSIGNMENT

1. Work exercises from the NCERT Science textbook
2. Practice assignments from workbook

AND PROGRESS

**MONTH - JULY
CLASS -VI**

Teacher's Activity	Student's Activity	Teacher's Observation and Remedial
Teacher will take students to the school garden for a short visit to have a look at plants around us. She will ask them to observe the size of different plants and categorize them into herbs , shrubs and trees. Also she will ask them to complete the worksheet related to it . make children aware regarding various parts of plant and different types of plants through drawing. show the type of root present in tulsi and grass. She will ask students to differentiate them between tap root and fibrous root. show video activity to observe the absorption property of stem ANNEXURE 7A conduct an activity to show that leaves prepare food in the presence of sunlight show a video to show transpiration in plants. separate the different parts of a Hibiscus (China Rose) flower and explain the different parts of the flower. ask students to prepare posters on paint and share it in the class.	Students will observe and identify the different kinds of plants and also complete the worksheet from the assignment booklet. will draw and label the diagram of the various parts of a plant. observe both the plants and categorize them in tap root and fibrous root and draw the diagram in their notebooks. watch the video and record their observation. ANNEXURE 7a perform the activity and write down the observations watch the video note down their observations. label the diagram of the different parts of a Hibiscus (China Rose) flower as given in the assignment booklet. complete the activity.	

Teaching Aids:Active Inspire boards, ICR, Materials required for activities, NCERT Text book, worksheets.

Methodology / Innovative Methods:Activity based teaching, Unknown to Known, Discussions, and Audio Visual.

Interdisciplinary Links:

- **English** – It will improve power of expression while explaining the activity and also vocabulary.
- **Value based Link** – Appreciate the selfless role of plants in nature.

HOD

COORDINATOR

HEAD MISTRESS

PRINCIPAL

ANNEXURE 7 A & a
ARE LEAVES FOOD FACTORIES OF THE PLANT ?

Subject	Science
Class	VI
Chapter/Unit	Getting to know plants
Topic	Leaves
Time	40 mins
Nature of Activity	Individual

What will I learn?(Learning Outcome):

To verify that leaves prepare their food in the presence of sunlight and a green coloured substance present in them

Skills:

Applying, Analyzing, Evaluating

What I have to do ?

To show that leaves prepare their food in the presence of sunlight and a green coloured substance present in them.

What I require ?

Leaf ,spirit,beaker,test tube ,burner, water, watch glass and iodine solution

What do I need toknow ?

To prepare food, leaves also use water and carbon dioxide in the presence of sunlight and chlorophyll. This process is called photosynthesis.

Teacher's Activity: Teacher will

- (1) explain the concept of photosynthesis
- (2) divide the students in small groups.
- (3) arrange the apparatus and guide the students to perform the activity.

How will I proceed ?

Student's Activity:Students will :

- (1) take a leaf in a test tube and pour spirit to completely immerse the leaf
- (2) now place the test tube in a beaker half filled with water.
- (3) heat the beaker till all the green colour from the leaf comes out into the spirit in the test tube.
- (4) take out the leaf carefully and wash it in water.
- (5) place it in a watch glass and pour few drops of iodine solution over it.

What have I observed :

S.No.	Colour of leaf after putting iodine solution(before the experiment starts)	Colour of leaf after putting iodine solution on it.(after the experiment)
1.		

What have I learnt ?

This indicates the presence of _____ in the leaf.

What am I curious to know ?

Let us find out ,why do we have to add ethanol to test the presence of starch in leaves ?

Let me evaluate myself

Q1. Write the main function of leaves ?

Q2.How are leaves attached to the stem?

Q2.Do all the leaves have petioles?

Q3.How do plants exchange gases with the environment?

Q4. Represent photosynthesis with the help of a chemical reaction.

Q5.Draw the diagram of a leaf .