

MODEL LESSON PLAN FOR ALL TYPES OF HIGH SCHOOLS

CLASS : VI

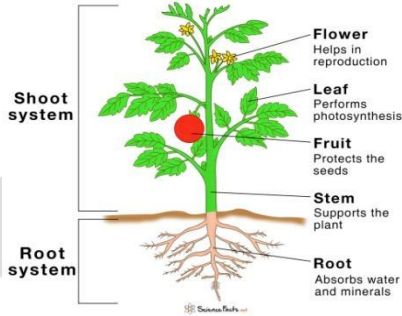
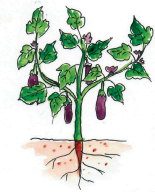


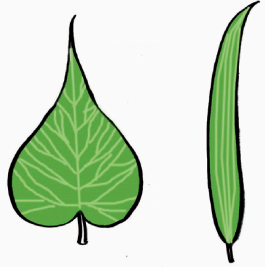
SUBJECT:

Name of the Teacher :

Name of the School:

Name of the Lesson/Unit	Topic	No. of Periods Required	Time line for teaching		Any specific Information
			From	To	
Knowing about Plants	Parts of plants	2			
	Root	4			
	Stem	2			
	Leaf	6			Information regarding Pottikkalu
	Flower, Sum-up	2			Flowering plants – Non flowering plants

Prior Concept/ Skills: <i>(Essential concepts and skills to be checked/bridged before teaching the current concept.)</i> Plant, root, stem, leaf, flower	
Learning Outcomes: <i>(Select from SCERT Academic Calendar and Textbook)</i> Learner <ul style="list-style-type: none">identifies different parts of plants.Differentiates Tap root and fibrous root.classifies the plants into dicot and monocot plants.conducts simple experiments to understand the functions of parts of plants.explains the functions of root, stem and leaves.draws a labelled diagram showing parts of leaf.makes efforts to protect environment by taking care of plants.	No. of Periods: 16

TEACHING LEARNING PROCESS		
<p>Induction/Introduction <i>(Generating interest, informing students about the outcomes and expectations for the lesson)</i> <i>I will show a plant to the students and ask them to identify different parts present in it. This activity leads them in to the topic.</i></p>		<p>Parts of a Plant</p> 
<p>Experience and Reflection <i>(Task/question that helps students explore the concept and connect with their life)</i></p> <ul style="list-style-type: none"> List out the uses of plants. How different plant parts are useful to us? Are all the you see similar? What are the similarities among them? 		
Explicit Teaching/Teacher Modelling <i>(I Do)</i>	Group Work <i>(We Do)</i>	Independent Work <i>(You Do)</i>
<ul style="list-style-type: none"> Discussion on parts of plants  <ul style="list-style-type: none"> Discussion on root system – Types of roots, functions  <ul style="list-style-type: none"> Discussion on shoot system – structure, function Discussion on leaf – structure – venation 	<ul style="list-style-type: none"> Identification of plant parts (Activity-1) Identification of monocot, dicot plants and their root systems (Activity – 2) Water absorption by root (Activity-3) Conduction of water (Activity -4) Are all leaves same? (Activity -5) Activity to observe venation (Activity -7)  <ul style="list-style-type: none"> Stomata Observation (Activity -8) Transpiration (Activity -9) 	<ul style="list-style-type: none"> Drawing the impression of venation (Activity-6) Collect any plant from your surroundings. Draw its root structure. What can you say about its root system? Collect the leaves of various plants. prepare a herbarium. Write a brief report on their shapes, size and venation. Prepare a greeting card with dry leaves.

<p style="text-align: center;">Check For Understanding Questions</p> <p>1. Factual:</p> <ul style="list-style-type: none"> • What are the main parts of a plant? • Which part of the plant absorbs water? • What is node? • Which part of the leaf helps in gaseous exchange? <p>2. Open Ended / Critical Thinking:</p> <ul style="list-style-type: none"> • What will happen if a plant does not have any leaves? • What is the relation between the type of root system and venation? • Rajani said “Respiration takes place in leaves”, is she correct? How can you support your answer? <p>Student Practice Questions & Activities (<i>Exercises from workbook / textbooks/ blackboard</i>)</p> <ul style="list-style-type: none"> • How does the stem help the plant? • How can you show that plants absorb water through their roots? • Explain the various parts of a plant with the help of a diagram. 	<p style="text-align: center;">TLMs (Digital + Print)</p> <p>DIKSHA Resource link: https://diksha.gov.in/resources/play/content/do_3130830389412495361436 https://diksha.gov.in/play/content/do_31307881375462195219748</p> <p>Use the language lab pen drive resource. Some of the other digital resources are: https://youtu.be/obUPufbTjrM?list=PLraFa7MIGwaA98Y2V-snHuErg49Dx4xSf</p> <p><i>Charts,</i> <i>Different plants, paper cups, soil, bean seeds, finger millets, A carrot, a glass of water and blue ink, A small twig of balsam plant, a glass of water and a few drops of red ink, Different leaves, white paper, pencil, Microscope, slides, Potted plant, polythene bag</i></p>
<p>Assessment (<i>Think of what children SAY, DO and MAKE while learning that can form the evidence of learning to be used for assessment</i>).</p> <ul style="list-style-type: none"> • What are the important parts of a plant? • Write the differences between Tap root system and fibrous root system. • classify the given plants into dicot and monocot plants. <div style="border: 1px solid black; padding: 2px; display: inline-block;">Beans, Finger millets, Mango, Tamarind, Wheat, Paddy</div> • How can you show that stem conducts water? • Explain the functions of leaves in a plant. • Draw a neat labelled diagram showing different parts of leaf. 	

SIGNATURE OF THE TEACHER

SIGNATURE OF THE HEAD MASTER

VISITING OFFICER WITH REMARKS