

LESSON PLAN

SCIENCE

CLASS: VII

UNIT/CHAPTER	NUTRITION IN PLANTS (HETEROTROPHIC NUTITION)
DURATION	40 MINS
MATERIALS	Multimedia
LEARNING OUTCOMES	➤ Students will have the knowledge Heterotrophic nutrition in Plants like parasitic, saprophytic, symbiotic and insectivores. ➤ They will know the examples of different types of heterotrophic plants. ➤ They will be able to explain the process of nutrition in non-green plants. ➤ They will be able to identify the plants that carryout heterotrophic nutrition from their body characteristics. ➤ They will know how the symbiotic nutrition help to replenish the soil. ➤ Students will be able to answer the various forms of questions related to the concept. ➤ They will develop the skill to draw the diagram representing photosynthesis.
SUGGESTIVE PEDAGOGICAL PROCESS	GUIDED DISCOVERY
SUGGESTIVE FACILITATION ACTIVITIES	Observing heterotrophic plants like cuscuta, mushroom etc.
PEDAGOGICAL STRATEGIES	<u>ART INTEGRATION:</u> • Diagram of plants. <u>INNOVATIVE PEDAGOGIES:</u> • Students will be asked to observe the local species of parasitic plants and observe whether they influence the general health of the host plant. • They will realize the importance of taking care of forest. <u>CO-SCHOLASTIC ACTIVITIES:</u> ➤ A nature walks in the locality to observe and identify various plants. ➤ Organize plantation drive. ➤ Preparation of compost from dry leaves.

MODIFICATIONS FOR SPECIAL NEEDS	Remedial classes held.
INTERVENTIONS	Individual attention paid as per the requirement during the lesson and at the end of the lesson to fulfill any special need students have.
HOMEWORK	The home work in the form of worksheets based on the concept covered in the lesson. WORK SHEET FOR CLASS VII GENERAL SCIENCE Lesson 1, Part 2 <u>ANSWER THE FOLLOWING QUESTIONS:</u> 1. What do you understand by insectivorous plants? 2. Explain the mechanism of insect eating pitcher plant. 3. Draw a labelled diagram of Pitcher plant. 4. What is symbiotic relationship? Explain with examples. 5. How nutrients are replenished in the soil?
REFLECTION	• Students were excited to learn the different types of heterotrophic nutrition. • Examples of various heterotrophic plants needed to be mentioned in the lesson for students to understand the topic. • Students enjoyed the video shown to them. It helped them to revise at home in their own pace and absorb the lesson. • Overall, a combination of class room teaching, multimedia and field study helps to realize the concept better than just class room lectures. • They should develop an conscious mind and grow affinity towards the green world.