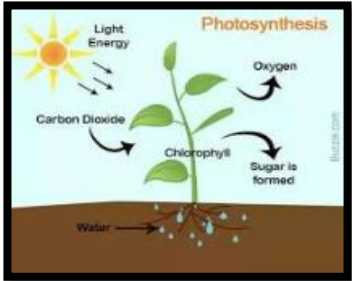


LESSON PLAN

SCIENCE

CLASS: VII

UNIT/CHAPTER	NUTRITION IN PLANTS (AUTOTROPHIC NUTRITION)
DURATION	40 MINS
MATERIALS	Multimedia, Green and Colourful leaf Specimens, Iodine Solution, Alcohol
LEARNING OUTCOMES	➤ Students will have the knowledge of the process of photosynthesis. ➤ They will be able to explain the process of Photosynthesis. ➤ They will recall the specific conditions for photosynthesis process. ➤ They will be able to identify the organisms that carryout photosynthesis from their body characteristics. ➤ They will appreciate that sun is the ultimate source of energy. ➤ They will realize how energy flow from sun to autotrophs and then heterotrophs. ➤ Students will be able to answer the various forms of questions related to the concept. ➤ They will be able to write the chemical equation representing photosynthesis. ➤ They will develop the skill to draw the diagram representing photosynthesis.
SUGGESTIVE PEDAGOGICAL PROCESS	GUIDED DISCOVERY
SUGGESTIVE FACILITATION ACTIVITIES	Observing plants that has other than green leaves.
PEDAGOGICAL STRATEGIES	<u>ART INTEGRATION:</u> • Diagram of plant labelling the process of Photosynthesis. • Using dry leaves to make leaf painting. • Using leaf extract as color for art. <u>INNOVATIVE PEDAGOGIES:</u> • Students will be asked to take care of a potted plant for a week. At the end of the week they will be asked to observe all the plants and analyze the reason for each of their health condition. • They will realize the importance of amount of water and sun light needed for the respective plant.

	<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 1 ANSWER THE FOLLOWING QUESTIONS: 1. Why do organisms need food? 2. What is stomata? 3. Give brief description of the process of synthesis of food in green plants. 4. How do plants obtain raw materials from the surroundings? 5. Why photosynthesis is important for survival of organisms on earth? 6. Learn to draw the diagrams given: 
REFLECTION	• Students were excited to learn about the flow of energy from Sun to all living organisms. • Even though the students knew the term “Photosynthesis”, they came to realize the importance of the process for all living organisms to survive on the earth. • Examples of autotrophic 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.

	• Students should not only understand the photosynthesis process but they should actualize that solar energy is the core of all forms of energy on this earth. • They should also develop an environment conscious mind and grow affinity towards the green world.
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