

NAVRACHANA HIGHER SECONDARY SCHOOL
ANNUAL PLAN
2026-2027

Subject: Gardening
Std. VIII

MONTH	NO. OF DAYS	CHAPTER	CONTENT	EVALUATION
July and August	8	Project 1: Hydroponics – Growing Plants without Soil	Healthy Salad – Growing Microgreens - Students will be introduced to the process of growing microgreens. - Seeds will be sown in trays and provided with proper water and light. - The grown microgreens will be used to prepare a healthy salad	-- Practical observation - Participation in activities
September	4	Building a Hydroponic System (Wick Method)	- Students will understand the concept of the Wick Method. - A simple hydroponic system will be created using a bottle, wick (thread), and nutrient solution.	- Oral assessment - Activity-based evaluation
October and November	8	Deep Water Culture (DWC) Method	□ Students will learn how plant roots absorb nutrients directly from water.	Plant care in winter - Mulching and protection - Observation work

			□ A DWC system will be set up using a bucket/container. Activity 5: Making Compost Tea (liquid fertilizer). - Importance of nutrients in plant growth.	
December and January	8	Nutrient Film Technique (NFT)	Maintenance & Monitoring - Students will learn how a thin stream of nutrient solution flows over plant roots. - A basic NFT model will be demonstrated using pipes or trays.	Project submission - Observation skills
February	4	Making Compost Tea Maintaining Water pH	- Students will learn how to prepare liquid fertilizer from compost. - Benefits and uses of compost tea will be explained. - Garden cleaning - Importance of maintaining proper pH levels in water will be explained. - Simple methods to check and	- Viva - Practical performance

			balance pH will be demonstrated	
March	4		- Final assessment	presentation - Garden evaluation - Viva / Practical

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