

Academic Heights Public School

Jungle Dhusar, Gorakhpur

Session 2017-18

Syllabus of Class - VII, Subject - Biology

Month	W. Days	Topics/Chapter	Activity
April	22	Nutrition In Plants :	To observe the stomata in the leaf peel
		Mode of nutrition in plants	
		Photosynthesis	
		Other modes of nutrition in plants	
		Saprotrophic nutrition, parasitic nutrition and symbiotic nutrition.	
		Special mode of nutrition.	
		How nutrients are replenished in the soil.	
		Inclusive Teaching - Gardener	
		Input regarding soil replenishment in garden by manure & fertilizer.	
May + June	17 + 9	Nutrition in Animals	
		Nutrition, digestion, food,	Make a list of some animals and there food.
		digestion in human, digestive in part of body, steps of digestion	Look into mirror and count your teeth..
		Function of different part of digestive system	Make a list which show different types of teeth there number and work.
		digestion in grass eating animals	Prepare a separate sample of solutions
			Draw a chart of human digestive system
Periodic Test - 1			
July	26	Weather, Climate & Adaptations of	
		Animals to Climate (contd.):	Collect the sample of whether report of
		Climate – Factors determining climate.	the last week from any news paper.
		Climate & Adaptation – i) The polar region	
		ii) The Tropical rainforest.	Make a date wise list of maximum temperature.
		iii) Desert	Make a map which
		Migration	
		Inclusive Teaching – Geography	
		To discuss weather & climate of different places.	
		Value inculcated: Awareness about different life forms.	show the temperature of different status at a same day.
August + Sep	24 + 24	Chapter : Soil :	
		Formation and composition of soil.	To demonstrate that Soil absorbs water
		Soil profile	To collect and observe different types of Soil
		Types of soil	(texture, colour etc).
		Properties of soil	To remove moisture from soil
		Moisture in Soil	Notes : Difference between clayey, sandy &
		Absorption of water by Soil	loamy soil.
		Soil & crops.	Value inculcated: Sense of conservation of
		Soil erosion.	natural resources.
			To mark the polar region & tropical

			region in world map, with blue and green colour respectively.
			To demonstrate soil profile with an activity.
Half Yearly			
Oct. + Nov.	18 + 25	Respiration in organisms	
		Transportation in animals in plants	Count your rate of breathing.
		Types of respiration	Take a deep breath and measure the size of chest.
		Breathing	Draw a chart of human respiratory system.
		Breathing under water	
		Blood, Blood vessels, Hurt, Hurt beat	
		Excretions in animals	
		Transport of substance in plants	
		Reproduction in plants :	
		Modes of reproduction in plants – Asexual reproduction- budding, fragmentation, spore formation. Vegetative propagation – natural and artificial methods of vegetative propagation	To observe the scars of potatoes. Field trip- visit to the city nursery to see various methods of plant propagation.
		Tissue culture.	To separate reproductive parts of a flower.
		Sexual reproduction – flower, pollination, fertilization.	
		Fruits and seed formation.	
		Notes: Fertilisation & formation of zygote.	
		Contd. - Reproduction in plants	
		Seed dispersal	
		Germination of seeds.	
Periodic Test - 2			
Dec	23	Transportations in Animals and Plants	
		Blood	Draw a chart of Human Heart
		Blood vessel	Draw a chart of Human Excretory system
		Veins	
		Heart	
		Artery	
		Heartbeat	
		Human excretory system	
		Transport in plants	
		Xylem	
		Phloem	
Jan	24	Forest our life line	Make a list of the various things which you obtain from the forest.
		What is forest?	
		Habitat, forest product, plants soil	Visit a park and observe the trees and try to identify them
		and decomposer in forest, balance of	Collect the some vegetables waste and cover them
		oxygen and carbon di oxide, so erosion	with soil and added some water and try to make compost
		humans deforestation.	
Feb. + Mar	24 + 21	Revision	
Annual Exam			

Principal/Director