

MONTH		WEEK	Unit/Section	No of Periods	Topic Break Down / for Periods/Learning objectives / progression	Learning Outcomes/ Skills acquired	Activities (Formative assessment tasks, projects, Visits) INCLUDING VIRTUAL LEARNING	Teaching Aids / Reference/ Resources	Competencies and Values	MY IDENTITY	Cross curricular link	Art Integration	Artificial Intelligence	Critical Thinking Questions- Descriptive	Critical Thinking Questions- Objective (ASSET BASED)	
NAME OF THE DEPARTMENT: SCIENCE																
SYLLABUS BREAK UP 2021 22 -AJI																
Name of the Subject Teacher:- Parvathy Anish																
Grade:- 7																
April	4		Nutrition in plants		To compare the different modes of nutrition	Compare other modes of nutrition in saprophytes,parasites,inse	*Perform a test for the detect									
					To define photosynthesis and to analyse the process of photo	Write about the process of photosynthesis		Specimens of food from	Honesty		Chemistry	Visual arts	Mine craft	Human beings can be categorised as (a) heterotrophs (b) autotrophs (c) parasites (d) saprotrophs Mosquitoes, bed bugs, lice and leeches suck our blood. Can they be called as parasites? [HOTS] Answer Question 3. The food making process in plants is called as (a) glycolysis (b) photosynthesis (c) photolysis (d) chemosynthesis Plants are considered an essential part of earth as they keep a check on lot of process occurring all over. What would happen if all the green plants are wiped from earth? [HOTS] Answer: Green plants are the source of energy for all the living organisms so that they can perform their normal functions. If all green plants and trees d	Answer Question 4. Which part of the plant is called its food factory ? (a) Fruits (b) Seeds (c) Leaves (d) Flowers	
				24	To describe about the different modes of nutrition with suitable examples	Explain the different modes of nutrition					Culture		https://games.legendsoflearning.com/	food while other parts of plants cannot. Write the possible reason for this. [HOTS] Mosquitoes, bed bugs, lice and leeches suck our blood. Can they be called as parasites? [HOTS] Plants are considered an essential part of earth as they keep a check on lot of process occurring all over. What would happen if all the green plants are wiped from earth? [HOTS] Wheat dough if left in the open, after a few days, starts to emit a foul smell and becomes unfit for use. Give reason. [NCERT Exemplar; HOTS] Nitrogen is an essential nutrient for plants growth. But farmers who cultivate pulses as crops like green gram, bengal gram, black gram, etc., do not apply nitrogenous fertilisers during t cultivation. Why? [NCERT Exemplar; HOTS] Some plants have deep red, violet or brown coloured leaves. Can these leaves perform the photosynthesis process? [HOTS] Wild animals like tiger, wolf, lion and leopard do not eat plants. Does this mean that they can survive without plants? Can you provide a suitable explanation? [HOTS]		
					To describe nutrition in animals and also the steps involved in the nutrition in animals	Elaborating the nutrition in animals and steps involved,								provided in two different glasses. You could identify drink A as lime juice and B as bitter gourd juice. How could you do it inspite of being blindfolded? [NCERT Exemplar; HOTS] A' got her gall bladder removed surgically as she was diagnosed with stones in her gall bladder. After the surgery, she faced problems in digestion of certain food items when consumed in bulk. Can you tell which kind of food items would they be and why? [NCERT Exemplar; HOTS] Boojho and Paheli were eating their food hurriedly so that they could go out and play during the recess. Suddenly, Boojho started coughing violently. Think of the reasons, why he was coughing and discuss with your friends? [NCERT Exemplar; HOTS] Ruminants such as cows and buffaloes swallow their food hurriedly and then sit restfully and chew their food. Give reason. [NCERT Exemplar; HOTS] Cellulose rich food substances are good source of	(a) swallowed and undigested. (b) swallowed and partially digested. (c) properly chewed and partially digested. (d) properly chewed and completely digested. Answer Question 3. The false feet of Amoeba are used for: (a) movement only (b) capture of food and movement (c) capture of food and movement (d) exchange of gases only Answer Question 4. Read the following statements with reference to the villi of small intestine. (i) They have very thin walls. (ii) They have a network of thin and small blood vessels close to the surface. (iii) They have small pores through which food can easily	
					To observe the digestive system of humans ,ruminants and amoeba.	Summarizing the digestive system of humans		Discuss the importance of ea	Plastic bottle,cardboard					Three dimension	https://games.legendsoflearning.com/	
					Matter and chemical formula		To define an atom and to compare the different	Learning about atoms, molecules and elements and				Community				
						24	To analyse the chemical symbols with suitable examples	Differentiating atoms, molecules and elements and		iron nails,sulphur powder					https://games.legendsoflearning.com/	
							To compare a balanced and an unbalanced equation	To compare the given equation and classify it.							https://games.legendsoflearning.com/	

