

ACADEMIC YEAR PLAN: 2023-2024

NAME OF THE SUB: BIOLOGY CLASS: VII

TERM- I

Month/No of working days	Topics/Chapter	Learning Outcome	Suggested Activities/ Projects under Internal Assessments/Practical	Assignment	Assessment
April	Nutrition in plants	Students will understand different types of nutrients, their sources, autotrophic and heterotrophic nutrition	To study the growth of fungi.	1. Slogan writing about not wasting food. 2. Complete the research on chlorophyll	1. MCQ 2. ACTIVITY 3. WORKSHEET
June & July	P T-1 Nutrition in Animals	Students will understand different modes of nutrition, steps of nutrition in amoeba ,human and ruminants, importance of digestion	Study the effect of saliva on food.	1. Discuss the function of digestive juice in the process of digestion. 2. Draw a labelled diagram of human digestive system.	1. PT-1 2 WORKSHEET
August	Weather, Climate and Adaptation	Students will understand difference between weather and climate, elements of weather, benefits of weather forecast and adaptation in animals living in polar region and desert	Divide India into four regions & find out about animals specific to each region along with suitable adaptation. Make a report of your research.	1. To plot a graph of changes in the length of the day. 2. To prepare a bar graph for a week for the change in temperature.	1. MCQ 2. WORKSHEET
September	Revision for Term -1				TERM-1

TERM-II

October	Respiration in Animals and Plants	Students will understand process of respiration, types of respiration, difference between breathing and respiration, respiratory process in earthworm, insects, fish and plants.	Anaerobic respiration in bacteria and fungi is a blessing or curse? Write your opinion in favour or against.	Make a dough with water in one vessel and with curd in another vessel. Note down your observation.	1.ACTIVITY 2.MCQ
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November	Transportation in Animals and Plants	Students will understand process of diffusion, mode of transport, circulatory and vascular system, blood, vessels and heart, excretion in animals, transport of substances in plants, translocation and transpiration	Find out the blood group of all your family members. Then make a chart of blood groups that each one can receive from, in case of an emergency.	<ol style="list-style-type: none"> 1. Demonstrate the evaporation of water in plants. 2. Make a model of stethoscope 	<ol style="list-style-type: none"> 1. ACTIVITY 2. MCQ 3. MODEL MAKING
December	PT-3 Reproduction in Plants	Students will understand different modes of reproduction in plants, budding, fission, fragmentation, vegetative propagation, advantages of vegetative propagation and sexual reproduction	Vegetative propagation is more prevalent in lower species of plants. Is it related to evolution? Write two differences between sexual and asexual reproduction.	<p>Make a herbarium. Collect any five different flowers dry them between two books and paste the dried flowers in your file. Write their scientific names, and composition.</p> <p>Study the reproductive parts of a bisexual flower</p>	PT-3 <ol style="list-style-type: none"> 1. MCQ 2. WORKSHEET 3. DIGRAMATIC REPRESENTATION
January	Forest. Revision for Final Term	Students will understand what is forest, its types, importance in nature, food chain and food web, forest conservation and management	Find out different types of forest found in India. Prepare a list and mention one tree and one animal which is found exclusively there.	A forest has no waste. Visit a nearby park and prepare a report.	<ol style="list-style-type: none"> 1-MCQ 2-REPORT MAKING
February	Final Exam				