

ACADEMIC YEARPLAN:2023-2024

SUBJECT: BIOLOGY

CLASS:VIII TERM -1

Month/No of working days	Topics/Chapter	Learning Outcome	Suggested Activities/ Projects under Internal Assessments/Practical	Assignment	Assessment
APRIL	Chapter-1 CropProduction	Students will be able to recognize and examine agriculture and its basic practices, selection of seeds, application of manure and fertilizers, advantages and disadvantages of fertilizers, green revolution, gain and undesirable effect.	Collect many types of seeds, separate them in their respective category, write a short description about them	To study the effect of deep and shallow sowing of seeds.	1-MCQ 2-WORKSHEET
JUNE & JULY	PT-1 Chapter-2 MicroOrganism	Students will be able to recognize and distinguish between different micro-organisms, their general characters, habitat, types of microorganisms, useful and harmful microorganisms	Discussion on the topic microorganism friends or foe	To demonstrate the formation of alcohol by yeast.	1. PT-1 2. MCQ
AUGUST	Chapter-7 Conservation of BioDiversity	Students will explore the complexity of Biodiversity. They will realize the dependence of organisms on biodiversity. They will be able to evaluate the causes of loss of it, importance of conservation.	Have a group discussion on how recycling of paper save the environment	Wild animals threatening human habitats. Throw light on the reasons and measures to check this.	1. MCQ 2. WORKSHEET 3. ACTIVITY
SEPTEMBER	REVISION FOR TERM-1				TERM -1
TERM-2					
OCTOBER & NOVEMBER	Chapter-8 The Cell	Students will understand cell, discovery and cell theory. Students will be able to identify cell structure and its organelles.	Observe the structure and function of microscope and observe slides of onion peel cell and cheek cell	Discuss the features that pass from parents to children or you have inherited from your parents.	1. ACTIVITY 2. WORKSHEET
NOVEMBER	Chapter-9 Reproduction in Animals	Students will be able to identify and explain animal reproduction, modes and steps of sexual reproduction. They will be able to explain the role of fertilization. They will be able to observe and analyze life cycle of butterfly and frog.	Study budding in hydra Under microscope and draw different stages of it.	Explain life cycle of a butterfly and a frog.	1. ACTIVITY 2. MCQ
DECEMBER	PT-3 Chapter-10 Reaching the Age of Adolescence	Students will understand the difference between adolescence and puberty. Identify secondary sexual characters in boys and girls. Importance of sex determination, role of hormones and reproductive health.	Justify determination of sex of foetus is unethical.	Write significance of personal hygiene.	PT-3 1. MCQ 2. WORKSHEET
JANUARY	REVISION FOR FINAL EXAM				
FEBRUARY	FINAL EXAM				