

GOPI BIRLA MEMORIAL SCHOOL 2025-2026

Grade : 11 Biology

Ms.Mubashera.M .Ansari

ANNUAL PLAN

MONTH	MAIN CONTENT/ CHAPTERS	ACTIVITIES/ PRACTICALS
June	The Living World Biological Classification	1. Parts of a compound microscope. 2. Specimens/slides/models and identification with reasons - Bacteria, <i>Oscillatoria</i> , <i>Spirogyra</i> , <i>Rhizopus</i> , mushroom, yeast, liverwort, moss, fern, pine, one monocotyledonous plant, one dicotyledonous plant and one lichen. 3. Study and describe locally available common flowering plants, from family Solanaceae (Poaceae, Asteraceae or Brassicaceae can be substituted in case of particular geographical location) including dissection and display of floral whorls, anther and ovary to show number of chambers (floral formulae and floral diagrams), type of root (tap and adventitious); type of stem (herbaceous and woody); leaf (arrangement, shape, venation, simple and compound).
July	Plant Kingdom Animal Kingdom Morphology of Flowering Plants	4. Preparation and study of T.S. of dicot and monocot roots and stems (primary). 5. Virtual specimens/slides/models and identifying features of - <i>Amoeba</i> , <i>Hydra</i> , liverfluke, <i>Ascaris</i> , leech, earthworm, prawn, silkworm, honey bee, snail, starfish, shark, rohu, frog, lizard, pigeon and rabbit. 6. Study of distribution of stomata on the upper and lower surfaces of leaves.
August	Anatomy of Flowering Plants Structural Organisation in Animals Cell-The Unit of Life	7. Study of osmosis by potato osmometer.
September	Revision for Terminal Examination Cell Cycle and Cell Division	--
October	Cell Cycle and Cell Division[contd] Photosynthesis in Higher Plants	8. Mitosis in onion root tip cells and animals cells (grasshopper) from permanent slides.
November	Respiration in Plants Plant - Growth and Development	9. Comparative study of the rates of transpiration in the upper and lower surfaces of leaves. 10. Test for the presence of sugar, starch, proteins and fats in suitable plant and animal materials. 11. Separation of plant pigments through paper chromatography
December	Breathing and Exchange of Gases Body Fluids and Circulation	12. Test for presence of urea in urine.

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January	Excretory Products and their Elimination Locomotion and Movement	13. Test for presence of sugar in urine. 14. Test for presence of albumin in urine. 15. Test for presence of bile salts in urine.
February	Neural Control and Coordination Chemical Coordination and Integration	16. Human skeleton and different types of joints with the help of virtual images/models only.