

THE WISDOM GLOBAL SCHOOL

SYLLABUS BIFURCATION

GRADE-IX

SUBJECT-BIOLOGY

NAME OF BOOK-EFFECTUAL BIOLOGY,NCERT BOOK

YEAR-2024-25

NAME OF TEACHER- Mr. NARENDRA KUMAR

S.No.	BOOK NAME	MONTH	CHAPT ER NUMBE R	CHAPTER NAME	SUB.TOPIC	NO.OF DAYS REQUIR ED	ACTIVITY /PROPS	SMART BOARD(PPT/VIDEO)	MATERIAL REQUIRED
1	NCERT & S.CHAND	APRIL	5	CELL : THE FUNDAMENTAL UNIT OF LIFE	Introduction and warm up questions about : The Living World	1	NO	https://video.wixstatic.com/video/f29914_85970b721931452aaf361aaf288b6522/720p/mp4/file.mp4	
2		APRIL			Study of structure and working of compound microscope	1	TO SUDY ABOUT COMPOUND MICROSCOPE	YES	COMPOUND AND ELECTRON MICROSCOPE
3		APRIL			Cell - Basic Unit of life:	1	NO	YES	YES
4		APRIL			structural organization of the cell	1	TO PREPARE TEMPORARY MOUNT OF ONINON PEEL	https://video.wixstatic.com/video/f29914_428a18e2a9e04e87930595d514065427/720p/mp4/file.mp4	DISECTION BOX , ONION
5		APRIL			plasma membrane	1	NO	YES	NO
6		APRIL			diffusion and osmosis	1	NO	YES	NO
7		APRIL			cell wall and nucleus	1	TO PREPARE HYPOTONIC , HYPERTONIC AND ISOTONIC SOLUTION	YES	3 BEAKERS , WATER , RESINS , SALT OR SUGAR
8		APRIL			chromatin material and chromosome	2	NO	YES	NO

9		MAY			cytoplasm, organelles & inclusion , golgibody	2	NO	YES	NO
10		MAY			endoplasmic reticulum , lysosome	1	YES	YES	NO
11		MAY			peroxisome, ribosome	1	NO	YES	NO
12		MAY			plastid	1	NO	YES	NO
13		MAY			centrosome, cilia and flagella, vacuole	2	NO	YES	NO
14		MAY			types of cells- prokaryotic cell	1	NO	YES	YES
15		MAY			eukaryotic cell	1	NO	YES	YES
16		MAY			comparison between prokaryotic and eukaryotic cell	1	PERMANENT SLIDE SHOW OF PROKARYOTES AND EUKARYOTES	YES	MICROSCOPE AND PERMANENT SLIDES
17	NCERT & S.CHAND	JULY	6	TISSUE	Tissue: introduction of plant and animal tissue	1	NO	https://video.wixstatic.com/video/f29914_591aa57716424df5ae6af7cb632f5dce/720p/mp4/file.mp4	NO
18		JULY			plant tissue and its type: meristematic tissue	1	PREPARATION OF MERISTEMATIC ROOT CELLS USING ONION	YES	DISECTION BOX , ONINON WITH ROOT , SEFFARIN
19		JULY			Permanent plant tissue: simple permanent plant tissue	1	PREPARSTION OF TEMPORARY MOUNT OF MONOCOT AND DICOT CELLS	YES	DISECTION BOX , ONINON WITH ROOT , SEFFARIN

20		JULY			Sclerenchyma and protective tissue		1 ANALYSING TYPES OF MERISTEMATIC TISSUES USING PERMANENT SLIDES	YES	MICROSCOPE AND PERMANENT SLIDES
21		JULY			Complex permanent plant tissue: xylem		1 PREPARATION OF XYLEM AND PHLOEM IN ROOTS FROM GIVEN PLANT SAMPLE	YES	DISSECTION BOX, STAINS, ROOTS OF GIVEN PLANT SAMPLE
22		JULY			Complex permanent plant tissue: phloem		1 NO	YES	NO
23		AUGUST			animal tissue: epithelial tissue		1 SLIDE SHOW OF VARIOUS ANIMALS CELLS FROM PERMANENT SLIDES	https://video.wixstatic.com/video/f29914_a3b3231423e448a489cb1377541e8844/720p/mp4/file.mp4	MICROSCOPE AND PERMANENT SLIDES
24		AUGUST			types of epithelial tissue		1 NO	YES	YES
25		AUGUST			muscular tissue		1 NO	YES	NO
26		AUGUST			connective tissue: areolar, adipose, ligament, tendon		1 NO	YES	NO
27		AUGUST			skeletal tissue, vascular tissue		1 NO	YES	NO
28		AUGUST			nervous tissue		1 NO	YES	YES
MID TERM ASSESSMENT									
29	NCERT & S.CHAND	SEPTEMBER	15	IMPROVEMENT IN FOOD RESOURCES	Introduction: improvement in the yields of crops		1 NO	https://video.wixstatic.com/video/f29914_dbbe7453478e4b1285705b2b83f468a2/720p/mp4/file.mp4	NO
30		SEPTEMBER			crop variety improvement		1 VISIT TO FIELD FOR GRAFTING	NO	PLANT WITH BUDS AND GRAFTING TOOLS

31		SEPTEMBER			crop production management	1	NO	https://video.wixstatic.com/video/f29914_09b4908e5db24760952e91a9659d0acc/720p/mp4/file.mp4	NO
32		SEPTEMBER			cropping patterns	1		NO	NO
33		SEPTEMBER			crop protection management	1	NO	NO	NO
34		SEPTEMBER			scientific storage of grains	1	VISIT TO FOOD INDUSTRY	NO	NO

FINAL ASSESSMENT