

THE WISDOM GLOBAL SCHOOL									
SYLLABUS BIFURCATION									
GRADE-X									
SUBJECT-BIOLOGY									
NAME OF BOOK- SCIENCE NCERT									
YEAR-2025-26									
NAME OF TEACHER- Mr. NARENDRA KUMAR									
S.No.	BOOK NAME	MONTH	CHAPTER NO.	CHAPTER NAME	SUB.TOPIC	NO. OF DAYS REQUIRED	ACTIVITY /PROPS	SMART BOARD (PPT/VIDEO)	MATERIAL REQUIRED
1	NCERT & S.CHAND	APRIL	6	LIFE PROCESS	WHAT ARE LIFE PROCESS	1	NO	https://video.wixstatic.com/video/f29914_b7e69edfc8fc49a6ad696d47aeccd14d/720p/mp4/file.mp4	YES
2		APRIL			NUTRITION: AUTOTROPHIC NUTRITION	1	YES	https://video.wixstatic.com/video/f29914_b7e69edfc8fc49a6ad696d47aeccd14d/720p/mp4/file.mp4	NO
3		APRIL			NUTRITION IN PLANTS	1	TEST FOR STARCH ON LEAF	YES	BEAKER , LEAF , IODINE SOLUTION
4		APRIL			HETEROTROPHIC NUTRITION: NUTRITION IN AMOEBA	1	YES	YES	NO
5		APRIL			HUMAN DIGESTIVE SYSTEM	1	YES	YES	YES
6		APRIL			NUTRITION IN HUMAN	2	TEST OF BREAKDOWN OF STARCH IN MOUTH ONLY	YES	BREAD OR STARCH SOLUTION , SALIVA , IODINE SOLUTION
7		APRIL			RESPIRATION AND ITS TYPES, ATP	1	TO SHOW PRESENCE OF CARBON DIOXIDE IN PLANT	https://video.wixstatic.com/video/f29914_3e9d49864e624ba7b0021378bb8fec54/720p/mp4/file.mp4	TWO POTTED PLANTS , POTASSIUM HYDROXIDE , BELL JAR
8		APRIL			HUMAN RESPIRATORY SYSTEM	1	YES	YES	YES
9		APRIL			RESPIRATION IN HUMAN	1	TEST FOR PRESENCE OF CARBON DIOXIDE IN HUMANS	YES	FRESHLY PREPARED LIME WATER, SYRINGE , STRAW

10		APRIL			TRANSPORTATION: BLOOD		1 VISIT TO HUMAN AND ANIMAL HEALTH CARE CENTRE	https://video.wixstatic.com/video/f29914_b99166dc466d4aae887d75f6f116bdbc/720p/mp4/file.mp4	NO
11		MAY			HUMAN HEART		1 STATIC MODEL OF HUMAN HEART	NO	HUMAN HEART
12		MAY			CIRCULATORY PATHWAYS IN HUMAN		1 NO	YES	NO
13		MAY			BLOOD VESSELS AND BLOOD PRESSURE		1 NO	https://video.wixstatic.com/video/f29914_b99166dc466d4aae887d75f6f116bdbc/720p/mp4/file.mp4	NO
14		MAY			BLOOD CLOTTING, LYMPH		1 TO FIND THE AMOUNT OF HAEMOGLOBIN IN HUMANS	YES	SAHIL'S HAEMOMETER , ANTISEPTIC SOLUTION , NEEDLE
15		MAY			TRANSPORTATION IN PLANTS:TRANSPORT OF WATER		1 MAKE TEMPORARY MOUNT OF STOMATA USING ONION PEEL	YES	ONION , DISECTION BOX, SEFARANI N SOLUTION
16		MAY			TRANSLOCATION		1 NO	YES	NO
17		MAY			EXCRETION: HUMAN EXCRETORY SYSTEM		1 STATIC MODEL OF HUMAN EXCRETORY SYSTEM	YES	HUMAN EXCRETORY MODEL
18		MAY			URINE FORMATION		1 NO	YES	NO
19		MAY			HAEMODIALYSIS , EXCRETION IN PLANTS		1 NO	YES	NO

PREMID TERM ASSESSMENT									
20	NCERT AND S.CHAND	JULY		CONTROL AND COORDINATION	INTRODUCTION OF CONTROL AND COORDINATION,ANIMAL NERVOUS SYSTEM	1	HOW TASTE OF FOOD IS DETECED	https://video.wixstatic.com/video/f29914_2eb39fcee7a545b48995d854d094aced/720p/mp4/file.mp4	SUGAR
21		JULY			STRUCTURE OF NEURON AND SYNAPSE	1	NO	YES	NO
22		JULY			REFLEX AND REFLEX ARCH	1	NO	YES	NO
23		JULY			HUMAN BRAIN STRUCTURE AND FUNCTION(BRIEF)	1	BRAIN MODEL	YES	BRAIN MODEL
24		JULY			WORKING OF HUMAN NERVOUS SYSTEM	1	NO	YES	NO
25		AUGUST			COORDINATION IN PLANTS, IMMEDIATE RESPONSE TO STIMULUS	1	NO	YES	NO
26		AUGUST			GROWTH RELATED MOVEMENT IN PLANTS- GEOTROPISM,PHOTOTHRPHISM,CHEMOTROPISM	1	TROPIS MOVEMENT OF PLANTS +VE AND –VE GEOTROPISM	https://video.wixstatic.com/video/f29914_8720648ad3b94d6289bfab7211afb734/720p/mp4/file.mp4	BEAKER , JUTE/HUSK NET, ANY PULSES SEED , WATER , CARD BOARD
27		AUGUST			PHYTOHORMONES	1	NO	YES	NO
28		AUGUST			HUMAN ENDOCRINE SYSTEM	1	NO	NO	NO
29		AUGUST			MAIN HORMONES AND THEIR FUNCTIONS	1	NO	YES	NO
30	SCIENCE- NCERT	SEPTEMBER		HOW DO ORGANISM REPRODUCE?	REPRODUCTION ITS SIGNIFICANCE, IMPORTANCE OF VARIATION	1	NO	https://video.wixstatic.com/video/f29914_c16e0815172f4933802d7cc1d5275182/720p/mp4/file.mp4	NO
31		SEPTEMBER			MODE OF REPRODUCTION: SEXUAL AND ASEXUAL	1	ASEXUAL REPRODUCTION USING YEAST	YES	PETRI DISH AND YEAST
MID TERM ASSESSMENT									
32		SEPTEMBER			& FREGNMENTATION	1	NO	YES	NO
33		SEPTEMBER			BUDDING & REGENERATION	1	NO	YES	NO
34		SEPTEMBER			SPORE FORMATION & VEGETATIVE PROPAGATION	1	SPORE FORMATION USING BREAD MOULD	YES	BREAD , WATER , WATCH GLASS
35		SEPTEMBER			TISSUE CULTURE & WHY SEXUAL REPRODUCTION?	1	LAYERING AND GRAFTING IN FIELD	YES	PLANT WITH BUDS , GRAFTING

									TOOLS
36		OCTOBER			SEXUAL REPRODUCTION IN FLOWERING PLANT: STRUCTURE OF FLOWER		GROWING OF PLUMULE AND RADICLE FROM GIVEN PLANT SEED	https://video.wixstatic.com/video/f29914_5d70dc9f0b3643dba80fa6a778d3587c/720p/mp4/file.mp4	ANY PULSES SEED , COTTON, WATER
37		OCTOBER			PROCESS OF SEXUAL REPRODUCTION, POLLINATION		DISECTION OF FLOWER	NO	HIBISCUS FLOWER AND DISECTION BOX AND TRAY

38		OCTOBER			SEXUAL REPRODUCTION IN HUMAN: PUBERTY AND ADOLESCENCE		1 NO	https://video.wixstatic.com/video/f29914_13c6e756e8274af785b9d552aef73081/720p/mp4/file.mp4	NO
39		OCTOBER			MALE REPRODUCTIVE SYSTEM HUMAN		1 STATIC MODEL EXPLANATION OF MALE REPRODUCTIVE SYSTEM	NO	MALE REPRODUCTIVE SYSTEM MODEL
40		NOVEMBER			HUMAN FEMALE REPRODUCTIVE SYSTEM		1 STATIC MODEL EXPLANATION OF MALE REPRODUCTIVE SYSTEM	YES	FEMALE REPRODUCTIVE SYSTEM MODEL
41		NOVEMBER			PROCESS OF SEXUAL REPRODUCTION HUMAN		1 STATIC MODEL EXPLANATION OF MENSTRUATION	YES	MENSTRUATION MODEL
42		NOVEMBER			REPRODUCTIVE HEALTH		1 NO	https://video.wixstatic.com/video/f29914_d6f118c051a54180bd82b3a607484ef8/720p/mp4/file.mp4	NO
43	SCIENCE-NCERT	NOVEMBER		HEREDITY AND EVOLUTION	HEREDITY AND ACCUMULATION OF VARIATION		1 NO	https://video.wixstatic.com/video/f29914_74061ad6db2845ca10822be665b8812/720p/mp4/file.mp4	NO
POST MID TERM									
44		DECEMBER			MENDEL'S WORK AND CONTRIBUTION		1 OBSERVE THE CONTRASTING TRAITS OF <i>Pisum sativum</i> AS PER MENDEL	YES	PEA PLANT
45		DECEMBER			IMPORTANT TERMINOLOGY OF GENETICS		1 NO	YES	NO
46		DECEMBER			MONOHYBRID CROSS: LAW OF DOMINANCE, LAW OF SEGREGATION		1 DEPICT MONO HYBRID CROSS	YES	PEDIGREE CHART
47		DECEMBER			DIHYBRID CROSS: LAW OF INDEPENDENT ASSORTMENT		1 NO	YES	NO
48		DECEMBER			SEX-DETERMINATION IN HUMAN AND INTRODUCTION OF EVOLUTION		1 MITOSIS AND MEIOSIS THROUGH PERMANENT SLIDES	YES	MICROSCOPE AND PERMANENT SLIDE
49		DECEMBER			NATURAL SELECTION, GENETIC DRIFT, ACQUIRED AND INHERITED TRAIT		1 CASE STUDY OF DDT ON MOSQUITO	https://video.wixstatic.com/video/f29914_f780598b50a44b058e687822ea07894f/720p/mp4/file.mp4	DOCUMENTARY VIDEO

55	NCERT AND S.CHAND	JANUARY	15	OUR ENVIRONMENT	ECOLOGY: ECOSYSTEM AND COMPONENT	1	NO	https://video.wixstatic.com/video/f29914_e182eec3bb4d4917_bddc61d5bb574370/720p/mp4/file.mp4	YES
56		JANUARY			FOOD CHAIN, FOOD WEB, ENERGY FLOW IN AN ECOSYSTEM				YES
57		JANUARY			OZONE LAYER DEPLETION		CASE STUDY OF 1 st EARTH SUBMIT AND RAMSAR CONVENTION		DOCUMENT RY VIDEO
58		JANUARY			WASTE AND ITS MANAGEMENT		VISIT TO STP PLANT		YES

PRE-BOARD ASSESSMENT

