

THE WISDOM GLOBAL SCHOOL**SYLLABUS BIFURCATION****GRADE 4****SUBJECT:- SCIENCE****NAME OF BOOK: XSEED****YEAR 2024-25****NAME OF THE TEACHER:- MS. PRIYA PANDEY**

S No.	BOOK NAME	MONTH	BLOCK NUMBER	BLOCK NAME	SUB-TOPICS	NO. OF PERIODS REQUIRED	ACTIVITY/PROPS
1	XSEED	APRIL	1	ALL ABOUT LEAVES	PARTS OF A LEAF	1	Trace a leaf on paper and relate its parts
					PRACTICE QUESTIONS 1-3	1	
					LEAVES - KITCHEN OF THE PLANTS	1	Look at the picture to predict how leaves make food
					PRACTICE QUESTIONS 1-3	1	
					TEST FOR STARCH IN LEAVES	1	look at the demonstartion of the leaf starch test
					PRACTICE QUESTIONS 1-3	1	
					TRANSPIRATION	1	look at the demonstration that shows
					PRACTICE QUESTIONS 1-3	1	
					REFLECTION ACTIVITY	1	
2	XSEED	APRIL	2	ADAPTATIONS IN TERRESTRIAL PLANTS	TERRESTRIAL HABITS FOR PLANTS	1	analyse the chart and discuss the habits of terrestrial plants
					PRACTICE QUESTIONS 1-3	1	
					PLANT ADAPTATIONS IN PLAINS	1	analyse and discuss features of plants growing in plains
					PRACTICE QUESTIONS 1-3	1	
					PLANT ADAPTATIONS ON MOUNTAINS	1	look at the leaves of a pine tree and identify their features
					PRACTICE QUESTIONS 1-3	1	
					PLANT ADAPTATIONS IN DESERTS	1	observe an aloe vera leaf and relate its features to its habitat
					PRACTICE QUESTIONS 1-3	1	
					REFLECTION ACTIVITY	1	

S No.	BOOK NAME	MONTH	BLOCK NUMBER	BLOCK NAME	SUB-TOPICS	NO. OF PERIODS REQUIRED	ACTIVITY/PROPS
3	XSEED	MAY	3	ADAPTATION IN DIFFERENT PLANTS	AQUATIC PLANTS	1	analyse the features of different aquatic
					PRACTICE QUESTIONS 1-3	1	
					INSECTIVOROUS PLANTS	1	analyse the features of insectivorous
					PRACTICE QUESTIONS 1-3	1	
					PARASITIC PLANTS	1	analyse the features of parasitic and
					PRACTICE QUESTIONS 1-3	1	
					PLANTS WITH MODIFIED ROOTS	1	sort roots under different roots and discuss modified features
					PRACTICE QUESTIONS 1-3	1	
					REFLECTION ACTIVITY	1	
4	XSEED	MAY	4	PLANTS FOR US	PLANTS IN THE WILD	1	look at the chart and discuss how forests
					PRACTICE QUESTIONS 1-3	1	
					PLANTS THAT NEED CARE	1	look at the wild and cultivated plants and
					PRACTICE QUESTIONS 1-3	1	
					FARMERS AND CROPS	1	observe picture cards of the journey of
					PRACTICE QUESTIONS 1-3	1	
					TYPES OF CROPS	1	sort products based on the type of crops
					PRACTICE QUESTIONS 1-3	1	
					REFLECTION ACTIVITY	1	
5	XSEED	MAY	5	CLASSIFYING LIVING THINGS	GROUPING OF LIVING THINGS	1	read and classify living things into different groups
					PRACTICE QUESTIONS 1-3	1	
					FLOWERING AND NON FLOWERING PLANTS	1	observe samples and write the differences
					PRACTICE QUESTIONS 1-3	1	
					ANIMALS WITH AND WITHOUT BACKBONES	1	sort animals into vertebrates and invertebrates
					PRACTICE QUESTIONS 1-3	1	
					ANIMALS WITH BACKBONES	1	look at the picture cards and write about
					PRACTICE QUESTIONS 1-3	1	
					REFLECTION ACTIVITY	1	

S No.	BOOK NAME	MONTH	BLOCK NUMBER	BLOCK NAME	SUB-TOPICS	NO. OF PERIODS REQUIRED	ACTIVITY/PROPS
6	XSEED	JULY	6	ADAPTATION IN ANIMALS	ANIMALS AROUND US	1	Sort flash cards and discuss adaptive
					PRACTICE QUESTIONS 1-3	1	
					ANIMALS IN EXTREME HABITATS	1	look at the chart and discuss the adaptive features
					PRACTICE QUESTIONS 1-3	1	
					ANIMALS LIVING IN WATER	1	observe a fish in a fish bowl and discuss
					PRACTICE QUESTIONS 1-3	1	
					ADAPTATION FOR PROTECTION	1	guess the features that helps animals protect themselves
					PRACTICE QUESTIONS 1-3	1	
					REFLECTION ACTIVITY	1	
7	XSEED	JULY	7	FOOD HABITS OF ANIMALS	EATING HABITS OF ANIMALS	1	sort animals according their food habits
					PRACTICE QUESTIONS 1-3	1	
					TEETH STRUCTURE AND FOOD HABITS	1	look at pictures of the teeth of animals and guess what they eat
					PRACTICE QUESTIONS 1-3	1	
					SPECIAL WAYS OF EATING	1	compare pictures of animals eating
					PRACTICE QUESTIONS 1-3	1	
					FOOD CHAIN	1	link the picture cards of plants and
					PRACTICE QUESTIONS 1-3	1	
REFLECTION ACTIVITY	1						
8	XSEED	AUGUST	8	OUR TEETH	PERMANENT AND TEMPORARY TEETH	1	Look at the chart showing permanent and temporary teeth
					PRACTICE QUESTIONS 1-3	1	
					TYPES OF TEETH	1	note shapes of different teeth that helps
					PRACTICE QUESTIONS 1-3	1	
					PARTS OF A TOOTH	1	read the functions and identify the parts
					PRACTICE QUESTIONS 1-3	1	
					TAKING CARE OF TEETH	1	read the actions written on cards and
					PRACTICE QUESTIONS 1-3	1	
REFLECTION ACTIVITY	1						

S No.	BOOK NAME	MONTH	BLOCK NUMBER	BLOCK NAME	SUB-TOPICS	NO. OF PERIODS REQUIRED	ACTIVITY/PROPS
9	XSEED	AUGUST	9	DIGESTIVE SYSTEM	ORGANS OF DIGESTION	1	arrange organs of digestive system to
					PRACTICE QUESTIONS 1-3	1	
					TEETH , TONGUE AND SALIVA	1	perform activity and discuss roles of teeth, tongue and saliva
					PRACTICE QUESTIONS 1-3	1	
					PROCESS OF DIGESTION	1	perform an experiment to know the rules
					PRACTICE QUESTIONS 1-3	1	
					HEALTHY EATING HABITS	1	read actions and sort them as healthy
					PRACTICE QUESTIONS 1-3	1	
					REFLECTION ACTIVITY	1	
10	XSEED	SEPTEMBER	10	EXCRETORY SYSTEM	ORGANS OF EXCRETION	1	identify the organs that helps in
					PRACTICE QUESTIONS 1-3	1	
					ORGANS OF THE URINARY SYSTEM	1	make a model of the urinary system
					PRACTICE QUESTIONS 1-3	1	
					IMPORTANCE OF THE URINARY SYSTEM	1	demonstrate and discuss the filtration of blood to form urine
					PRACTICE QUESTIONS 1-3	1	
					EFFECTS OF KIDNEY FAILURE	1	demonstrate and discuss the effects of kidney failure
					PRACTICE QUESTIONS 1-3	1	
					REFLECTION ACTIVITY	1	
MID TERM ASSESSMENT							
11	XSEED	OCTOBER	11	FOOD OUR BASIC NEED	CARBOHYDRATES, FATS AND PROTEINS	1	sort food samples based on the nutrients they contain
					PRACTICE QUESTIONS 1-3	1	
					VITAMINS, MINERALS, DIETARY FIBER AND WATER	1	sort food items into different groups and discuss their functions
					PRACTICE QUESTIONS 1-3	1	
					BALANCED DIET	1	create a balanced diet using different
					PRACTICE QUESTIONS 1-3	1	
					FOOD FOR DIFFERENT AGES	1	observe photos and analyze how diet
					PRACTICE QUESTIONS 1-3	1	
REFLECTION ACTIVITY	1						

S No.	BOOK NAME	MONTH	BLOCK NUMBER	BLOCK NAME	SUB-TOPICS	NO. OF PERIODS REQUIRED	ACTIVITY/PROPS
12	XSEED	OCTOBER	12	AIR AND POLLUTION	COMPONENTS OF AIR	1	make a receipt of air
					PRACTICE QUESTIONS 1-3	1	
					PROPERTIES OF AIR	1	predict the properties of air by looking
					PRACTICE QUESTIONS 1-3	1	
					USES OF AIR	1	analyze and infer that air helps things
					PRACTICE QUESTIONS 1-3	1	
					AIR POLLUTION	1	analyze the causes and effects of air
					PRACTICE QUESTIONS 1-3	1	
13	XSEED	NOVEMBER	13	SEPARATION OF IMPURITIES	SOLUTION	1	mix things in water and compare the
					PRACTICE QUESTIONS 1-3	1	
					SEPARATING INSOLUBLE SUBSTANCES	1	separate impurities using different separation methods
					PRACTICE QUESTIONS 1-3	1	
					SEPARATING SOLUBLE SUBSTANCES	1	look at the demonstrations and explain the method
					PRACTICE QUESTIONS 1-3	1	
					REMOVING IMPURITIES FROM WATER	1	arrange cards in order to show the steps of water purification
					PRACTICE QUESTIONS 1-3	1	
14	XSEED	NOVEMBER	14	LIGHT AND SHADOW	LUMINOUS AND NON LUMINOUS OBJECTS	1	sort objects into two groups - luminous and non luminous
					PRACTICE QUESTIONS 1-3	1	
					LIGHT HELPS US TO SEE	1	look at the chart and discuss how light
					PRACTICE QUESTIONS 1-3	1	
					SHAPES OF SHADOWS	1	observe a set up and guess the shape of
					PRACTICE QUESTIONS 1-3	1	
					CHANGING SIZES OF SHADOWS	1	form small and big shadows of a toy car
					PRACTICE QUESTIONS 1-3	1	
REFLECTION ACTIVITY	1						

S No.	BOOK NAME	MONTH	BLOCK NUMBER	BLOCK NAME	SUB-TOPICS	NO. OF PERIODS REQUIRED	ACTIVITY/PROPS
15	XSEED	DECEMBER	16	TYPES OF FORCES	FORCES AND TYPES	1	observe the actions to know about the
					PRACTICE QUESTIONS 1-3	1	
					CONTACT AND NON CONTACT FORCES	1	perform the actions and fill in the tables
					PRACTICE QUESTIONS 1-3	1	
					GRAVITATIONAL FORCE	1	note the actions and discuss the effects
					PRACTICE QUESTIONS 1-3	1	
					MAGNETIC FORCE	1	identify objects that are pulled by
					PRACTICE QUESTIONS 1-3	1	
16	XSEED	DECEMBER	17	FRICTIONAL FORCE	FRICTION AT REST AND IN MOTION	1	observe the effects of friction on different surfaces
					PRACTICE QUESTIONS 1-3	1	
					MORE OR LESS FRICTION	1	note the frictional force on different
					PRACTICE QUESTIONS 1-3	1	
					FRICTION : HARMFUL AND USEFUL	1	compare old and new shoes and tires
					PRACTICE QUESTIONS 1-3	1	
					INCREASING AND DECREASING FRICTION	1	run the toy car slow or fast by increasing or reducing friction
					PRACTICE QUESTIONS 1-3	1	
17	XSEED	JANUARY	18	SOIL	COMPOSITION AND FORMATION OF SOIL	1	arrange the pictures of soil formation in the correct order
					PRACTICE QUESTIONS 1-3	1	
					TYPES OF SOIL	1	compare the properties of different soil
					PRACTICE QUESTIONS 1-3	1	
					SOIL PROFILE	1	observe soil settling in water and
					PRACTICE QUESTIONS 1-3	1	
					SOIL EROSION AND CONSERVATION	1	compare effect of wind and water flowing through potted plants
					PRACTICE QUESTIONS 1-3	1	
REFLECTION ACTIVITY	1						

FINAL TERM ASSESSMENT