

THE WISDOM GLOBAL SCHOOL									
SYLLABUS BIFURCATION									
GRADE -8									
SUBJECT:- SCIENCE									
NAME OF BOOKS: OXFORD INSPIRE									
YEAR 20234-25									
NAME OF THE TEACHER:- Ms. SHIKHA KAUSHIK									
S.NO	BOOK NAME	MONTH	CHAPTER NUMBER	CHAPTER NAME	SUB-TOPICS	NO. OF DAYS REQUIRED	ACTIVITY	MATERIAL REQUIRED (IF ANY)	ANIMATED VIDEO LINK
1	OXFORD INSPIRE	APRIL	1	CROP PRODUCTION AND MANAGEMENT	BASIC AGRICULTURAL PRACTICES	1			
					PREARATION OF SOIL	1			
					SELECTION AND SOWING OF SEEDS	1	TO SEPARATE HEALTHY SEEDS FROM DAMAGED ONES	WATERANDSOME GRAINS OF	eo/f29914_669f124b2ba45b4
					NURTURING AND PROTECTING CROPS	1			
					NURTURING AND PROTECTING CROPS	1			
					HARVESTING STORAGE AND ANIMAL	1			
					DISCUSSION OF REVISION EXERCISES	1			
					DISCUSSION OF REVISION EXERCISES	1			
2	OXFORD	APRIL	2	MICROORGANISMS	WHAT ARE MICROORGANISMS	1			
					WHAT ARE MICROORGANISMS	1	TO PREPARE CURD	GAS STOVE AND A TEASPOON	
					USEFUL MICROORGANISMS	1	TO OBSERVE THE FERMENTATION OF SUGAR BY YEAST	RUBBER BALLON.A PACKET	
					USEFUL MICROORGANISMS	1			
					MICROBES IN AGRICULTURE	1			
					HARMFUL MICROORGANISMS	1			
					HARMFUL MICROORGANISMS	1			
					FOOD PRESERVATION	1			
					DISCUSSION OF REVISION EXERCISES	2			
3	OXFORD INSPIRE	MAY	4	METALS AND NON METALS	METALS AND NON METALS	1			
					PHYSICAL PROPERTIES	1	TO SHOW THAT METALS ARE MALLEABLE WHILE NON METALS ARE	METALS.SAMPLE OF NON	
					CHEMICAL PROPERTIES OF METALS AND NON METALS	1	TO DEMONSTRATE THAT METALS ARE GOOD CONDUCTORS OF		eo/f29914_2cf3eccfa3f2427ab
						1	TO SHOW THAT NON METALS REACT WITH OXYGEN TO FORM ACIDS		
					REACTION WITH WATER	1	TO SHOW HOW METALS AND NON -METALS REACT WITH DILUTE ACIDS		
					REACTION WITH BASES	1	TO SHOW THATMAGNESIUM IS MORE REACTIVE THAN COPPER		
					CORROSION	1			
					USES OF METALS AND NONMETALS	2			
					DISCUSSION OF REVISION EXERCISES	2			
4	OXFORD INSPIRE	MAY	5	COMBUSTION AND FOSSIL FUELS	COMBUSTION	1			
					TYPES OF COMBUSTION	1	TO SHOW THAT AIR SUPPORTS COMBUSTION	GLASS JAR AND	
					HOW TO EXTINGUISH A FIRE	1			
					FLAME	1	TO STUDY THE DIFFERENT ZONES OF F THE FLAME	SLIDE.TONGS AND A COPPER	
					FLAME	1	TO SHOW THAT CARBON DIOXIDE IS PRODUCED DURING THE	DIOXIDE IS PRODUCED	
					FUELS	1			
					CHARACTERISTICS OF FUEL	1			
					FOSSIL FUELS	2			
					DISCUSSION OF REVISION EXERCISES	2			
5	OXFORD INSPIRE	JULY	6	CONSERVATION OF PLANTS AND ANIMALS	WHAT IS BIODIVERSITY	1			
					THREATS TO BIODIVERSITY	1			
					CONSERVATION OF BIODIVERSITY	1			
					CONSERVATION AT NATINAL LEVEL	1			
					DISCUSSION OF REVISION EXERCISES	1			eo/f29914_8daa4a1ef8ff4c06
					DISCUSSION OF REVISION EXERCISES	1			
6	OXFORD INSPIRE	JULY	7	CELL STRUCTURE AND FUNCTION	CELL	1			
					OBSERVATION OF CELL UNDER THE MICROSCOPE	1	TO PREPARE A SLIDE FOR VIEWING UNDER THE MICROSCOP	SLIDES,COVERSLIPS,FORCEP S.DROPPERS,WATER,STAINS AND SPECIMEN TO BE OBSERVED	
					CELL STRUCTURE AND FUNCTION	1	TO PREPARE A TEMPORARY SLIDE OF HUMAN CHEEK CELLS AND OBSERVE THEM UNDER A MICROSCOPE	A TOOTHPICK,A SLIDE, A COVERSLIP, A BRUSH, A NEEDLE, DISTILLED WATER, GLYCERINE, METHYLENE BLUE, MICROSCOPE	
					CELL STRUCTURE AND FUNCTION	1	TO PREPARE A TEMPORARY SLIDE OF ONION PEEL AND OBSERVE ITS CELLS UNDER A MICROSCOPE	AN ONION, A SLIDE, A COVERSLIP, TWO WATCH GLASSES, A BRUSH, A FORECEP,A KNIFE, A NEEDLE, GLYCERINE, SAFARINE SOLUTION, MICROSCOPE	
					CELL STRUCTURE AND FUNCTION	1			
					CELL STRUCTURE AND FUNCTION	1			
					DIFFERENCES BETWEEN PLANT AND ANIMAL CELLS	1			

					CELL DIVISION AND GROWTH	1			
					DISCUSSION OF REVISION EXERCISES	2			
7	OXFORD INSPIRE	AUGUST	8	REPRODUCTION	ASEXUAL REPRODUCTION	1			
					SEXUAL REPRODUCTION	1			
					MALE REPRODUCTIVE SYSTEM	1			
					FEMALE REPRODUCTIVE SYSTEM	1			
					PROCESS OF FERTILIZATION AND EMBRYO DEVELOPMENT IN DIFFERENT ANIMALS	1			
					DISCUSSION OF REVISION EXERCISES	1			eo/f29914_fbcda07b59a24a47
					DISCUSSION OF REVISION EXERCISES	1			
8	OXFORD INSPIRE	AUGUST	9	AGE OF ADOLSCENCE	ENDOCRINE SYSTEM	1			
					ADOLESCENCE AND PUBERTY	1			
					MENSTRUAL CYCLE	1			
					MENSTRUAL CYCLE	1			
					REPRODUCTIVE HEALTH	1			https://video.wixstatic.com/vid_eo/f29914_c4792a9a5e5847e2b5576637bad7d582/720p/mp4/file.mp4
					REPRODUCTIVE HEALTH	1			
					DISCUSSION OF REVISION EXERCISES	1			
					DISCUSSION OF REVISION EXERCISES	1			
9	OXFORD INSPIRE	AUGUST	10	FORCE AND FRICTION	FORCE AND ITS EFFECTS	1			
					TYPES OF FORCES	1			
					TYPES OF FORCES	1	TO SHOW THAT FRICTIONAL FORCE DEPENDS ON THE NATURE OF THE TWO SURFACES IN CONTACT	BOARD, A TOY CAR, A	eo/f29914_c24e403289b548a
					CAUSES OF FRICTION	1			
					SLIDING AND ROLLING FRICTION	1			eo/f29914_9423910c7ba0446
					ADVANTAGES AND DISADVANTAGES OF FRICTION	1			
					DISCUSSION OF REVISION EXERCISES	1			
					DISCUSSION OF REVISION EXERCISES	1			
MID TERM ASSESSMENTS									
10	OXFORD INSPIRE	SEPTEMBER	11	PRESSURE	PRESSURE	1			
					FLUID PRESSURE	1	TO OBSERVE THE EFFECT OF PRESSURE	A BULLETIN BOARD, A BOARD PIN AND A CHART PAPER	
					ATMOSPHERIC PRESSURE	1			
					VARIATION IN PRESSURE	1	TO OBSERVE THAT THE PRESSURE EXERTED BY LIQUIDS INCREASES WITH DEPTH	A PLASTIC BOTTLE, ADHESIVE TAPE, NAIL AND WATER	
					APPLICATIONS OF PRESSURE	1		TO SHOW THE PRESENCE OF ATMOSPHERIC PRESSURE	
					DISCUSSION OF REVISION EXERCISES	1			
					DISCUSSION OF REVISION EXERCISES	1			
11	OXFORD INSPIRE	SEPTEMBER			REVISION				
					REVISION				
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12	OXFORD INSPIRE	OCTOBER			MID TERM EXAMINATIONS	1			
					MID TERM EXAMINATIONS	1			
					MID TERM EXAMINATIONS	1			
					MID TERM EXAMINATIONS	1			
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					MID TERM EXAMINATIONS	1			
					MID TERM EXAMINATIONS	1			
13	OXFORD INSPIRE	NOVEMBER	12	SOUND	SOUND	1			
					MEDIUM OF PROPOGATION	1	TO SHOW THAT SOUND IS PRODUCED BY VIBRATION	BALL AND A BOOM BOX EFFECTIVELY THROUGH	
					CHARACTERISTICS OF SOUND	1			
					SOUND PRODUCED BY HUMANS	1			
					MUSIC, NOISE AND NOISE POLLUTION	1	TO MAKE A JALTARANG	GLASS CONTAINERS, TWO	eo/f29914_e4cea9b41fa0477d
					HARMFUL EFFECTS OF NOISE POLLUTION	1			
					DISCUSSION OF REVISION EXERCISES	1			
					DISCUSSION OF REVISION EXERCISES	1			
14	OXFORD INSPIRE	NOVEMBER	13	CHEMICAL EFFECTS OF CURRENT	ELECTRICAL CONDUCTIVITY	1			
					WATER AS A CONDUCTOR OF ELECTRICITY	1	TO TEST THE ELECTRICAL CONDUCTIVITY OF LEMON JUICE AND VINEGAR	DIODE, AN INSULATED	
					ELECTROLYSIS	1			
					USES OF ELECTROLYSIS	1			
					ELECTROPLATING	1	TO OBSERVE THE ELECTROPLATING OF COPPER ON STAINLESS STEEL		
					USES OF ELECTROPLATING	1			

