

**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	CHARTS
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	A GLASS BOWL WITH WATERANDSOME GRAINS OF WHEAT	<a href="https://video.wixstatic.com/video/f29914_669f124b2baf45b48c1b04703dadde25/720p/mp4/file.mp4">https://video.wixstatic.com/video/f29914_669f124b2baf45b48c1b04703dadde25/720p/mp4/file.mp4</a>	YES
					NURTURING AND PROTECTING CROPS	1				
					NURTURING AND PROTECTING CROPS	1				
					HARVESTING,STORAGE AND ANIMAL HUSBANDARY	1				
					HARVESTING,STORAGE AND ANIMAL HUSBANDARY	1				
					DISCUSSION OF REVISION EXERCISES	1				
					DISCUSSION OF REVISION EXERCISES	1				
2	OXFORD INSPIRE	APRIL	2	MICROORGANISMS	WHAT ARE MICROORGANISMS	1				
					WHAT ARE MICROORGANISMS	1	TO PREPARE CURD	MILK IN A PANWITH A LID, A GAS STOVE AND A TEASPOON OF CURD		YES
					USEFUL MICROORGANISMS	1	TO OBSERVE THE FERMENTATION OF SUGAR BY YEAST	A SMALL EMPTY BOTTLE, A RUBBER BALLON,A PACKET OF ACTIVE DRY YEAST,ONE CUP OF WARM WATER,TWO TABLE SPOON SUGAR AND TAPE		
					USEFUL MICROORGANISMS	1				
					MICROBES IN AGRICULTURE	1				
					HARMFUL MICROORGANISMS	1				
					HARMFUL MICROORGANISMS	1				
					FOOD PRESERVATION	1				
					DISCUSSION OF REVISION EXERCISES	2				

S.NO	BOOK NAME	MONTH	CHAPTER NUMBER	CHAPTER NAME	SUB-TOPICS	NO. OF DAYS REQUIRED	ACTIVITY	MATERIAL REQUIRED (IF ANY)	ANIMATED VIDEO LINK	CHARTS
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 BRITTLE	SAMPLES OF METALS,SAMPLE OF NON METALS,AND A HAMMER		YES
					CHEMICAL PROPERTIES OF METALS AND NON-METALS	1	TO DEMONSTRATE THAT METALS ARE GOOD CONDUCTORS OF ELECTRICITY WHILE NON METALS EXCEPT GRAPHITE ARE POOR CONDUCTORS		<a href="https://video.wixstatic.com/video/f29914_2cf3eccfa3f2427ab6000012fc0bf221/720p/mp4/file.mp4">https://video.wixstatic.com/video/f29914_2cf3eccfa3f2427ab6000012fc0bf221/720p/mp4/file.mp4</a>	
						1	TO SHOW THAT NON METALS REACT WITH OXYGEN TO FORM ACIDIC OXIDES			
					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	A CANDLE,A BEAKER OR A GLASS JAR AND MATCHSTICKS		NO
					HOW TO EXTINGUISH A FIRE	1				
					FLAME	1	TO STUDY THE DIFFERENT ZONES O F THE FLAME	A LIGHTED CANDLE,A GLASS SLIDE,TONGS AND A COPPER WIRE		
					FLAME	1	TO SHOW THAT CARBON DIOXIDE IS PRODUCED DURING THE COMBUSTION OF CANDLE	TO SHOW THAT CARBON DIOXIDE IS PRODUCED DURING THE COMBUSTION OF CANDLE		
					FUELS	1				
					CHARACTERISTICS OF FUEL	1				
					FOSSIL FUELS	2				
					DISCUSSION OF REVISION EXERCISES	2				

S.NO	BOOK NAME	MONTH	CHAPTER NUMBER	CHAPTER NAME	SUB-TOPICS	NO. OF DAYS REQUIRED	ACTIVITY	MATERIAL REQUIRED (IF ANY)	ANIMATED VIDEO LINK	CHARTS
5	OXFORD INSPIRE	JULY	6	CONSERVATION OF PLANTS AND ANIMALS	WHAT IS BIODIVERSITY	1				YES
					THREATS TO BIODIVERSITY	1				
					CONSERVATION OF BIODIVERSITY	1				
					CONSERVATION AT NATINAL LEVEL	1				
					DISCUSSION OF REVISION EXERCISES	1			<a href="https://video.wixstatic.com/video/f29914_8daa4a1ef8ff4c0683309c048cfb8a27/720p/mp4/file.mp4">https://video.wixstatic.com/video/f29914_8daa4a1ef8ff4c0683309c048cfb8a27/720p/mp4/file.mp4</a>	
					DISCUSSION OF REVISION EXERCISES	1				
6	OXFORD INSPIRE	JULY	7	CELL STRUCTURE AND FUNCTION	CELL	1				YES
					OBSERVATION OF CELL UNDER THE MICROSCOPE	1	TO PREPARE A SLIDE FOR VIEWING UNDER THE MICROSCOP	SLIDES,COVERSLIPS,FORCEPS,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				

S.NO	BOOK NAME	MONTH	CHAPTER NUMBER	CHAPTER NAME	SUB-TOPICS	NO. OF DAYS REQUIRED	ACTIVITY	MATERIAL REQUIRED (IF ANY)	ANIMATED VIDEO LINK	CHARTS
7	OXFORD INSPIRE	AUGUST	8	REPRODUCTI ON	ASEXUAL REPRODUCTION	1				YES
					SEXUAL REPRODUCTION	1				
					MALE REPRODUCTIVE SYSTEM	1				
					FEMALE REPRODUCTIVE SYSTEM	1				
					PROCESS OF FERTILIZATION AND DEVELOPMANT	1				
					PROCESS OF FERTILIZATION AND DEVELOPMANT	1				
					EMBRYO DEVELOPMANT IN DIFFERENT ANIMALS	1			<a href="https://video.wixstatic.com/video/f29914_fbcda07b59a24a479585351e33660777/720p/mp4/file.mp4">https://video.wixstatic.com/video/f29914_fbcda07b59a24a479585351e33660777/720p/mp4/file.mp4</a>	
					DISCUSSION OF REVISION EXERCISES	1				
					DISCUSSION OF REVISION EXERCISES					
8	OXFORD INSPIRE	AUGUST	9	AGE OF ADOLSCENCE	ENDOCRINE SYSTEM	1				YES
					ADOLESCENCE AND PUBERTY	1				
					MENSTRUAL CYCLE	1				
					MENSTRUAL CYCLE	1				
					REPRODUCTIVE HEALTH	1			<a href="https://video.wixstatic.com/video/f29914_c4792a9a5e5847e2b5576637bad7d582/720p/mp4/file.mp4">https://video.wixstatic.com/video/f29914_c4792a9a5e5847e2b5576637bad7d582/720p/mp4/file.mp4</a>	
					REPRODUCTIVE HEALTH	1				
					DISCUSSION OF REVISION EXERCISES	1				
					DISCUSSION OF REVISION EXERCISES	1				

S.NO	BOOK NAME	MONTH	CHAPTER NUMBER	CHAPTER NAME	SUB-TOPICS	NO. OF DAYS REQUIRED	ACTIVITY	MATERIAL REQUIRED (IF ANY)	ANIMATED VIDEO LINK	CHARTS	
9	OXFORD INSPIRE	AUGUST	10	FORCE AND FRICTION	FORCE AND ITS EFFECTS	1				YES	
					TYPES OF FORCES	1					
					TYPES OF FORCES	1	TO SHOW THAT FRICTIONAL FORCE DEPENDS ON THE NATURE OF THE TWO SURFACES IN CONTACT	TWO BOOKS , A WOODEN BOARD, A TOY CAR, A NEWSPAPER AND A TABLECLOTH	<a href="https://video.wixstatic.com/video/f29914_c24e403289b548aa9ded71c9f4c2c65a/720p/mp4/file.mp4">https://video.wixstatic.com/video/f29914_c24e403289b548aa9ded71c9f4c2c65a/720p/mp4/file.mp4</a>		
					CAUSES OF FRICTION	1					
					SLIDING AND ROLLING FRICTION	1			<a href="https://video.wixstatic.com/video/f29914_9423910c7ba0446ca56c4a72503fd807/720p/mp4/file.mp4">https://video.wixstatic.com/video/f29914_9423910c7ba0446ca56c4a72503fd807/720p/mp4/file.mp4</a>		
					ADVANTAGES AND DISADVANTAGES OF FRICTION	1					
					DISCUSSION OF REVISION EXERCISES	1					
					DISCUSSION OF REVISION EXERCISES	1					
<b>MID TERM ASSESSMENTS</b>											
10	OXFORD INSPIRE	SEPTEMBER	11	PRESSURE	PRESSURE	1				NO	
					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					

S.NO	BOOK NAME	MONTH	CHAPTER NUMBER	CHAPTER NAME	SUB-TOPICS	NO. OF DAYS REQUIRED	ACTIVITY	MATERIAL REQUIRED (IF ANY)	ANIMATED VIDEO LINK	CHARTS
11	OXFORD INSPIRE	SEPTEMBER			REVISION					
					REVISION					
					REVISION					
					REVISION					
					REVISION					
					REVISION					
					REVISION					
12	OXFORD INSPIRE	OCTOBER			MID TERM EXAMINATIONS	1				
					MID TERM EXAMINATIONS	1				
					MID TERM EXAMINATIONS	1				
					MID TERM EXAMINATIONS	1				
					MID TERM EXAMINATIONS	1				
					MID TERM EXAMINATIONS	1				
					MID TERM EXAMINATIONS	1				
					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	A TUNING FORK,A PING PONG BALL AND A BOOM BOX		
					CHARACTERISTICS OF SOUND	1		TO SHOW TRAVELS MORE EFFECTIVELY THROUGH SOLIDS		
					SOUND PRODUCED BY HUMANS	1				
					MUSIC,NOISE AND NOISE POLLUTION	1	TO MAKE A JALTARANG	WATER, FIVE SMALLSIZE GLASS CONTAINERS, TWO WOODEN STICKS OR SPATULA	<a href="https://video.wixstatic.com/video/f29914_e4cea9b41fa0477d94699335d0b66f0f/720p/mp4/file.mp4">https://video.wixstatic.com/video/f29914_e4cea9b41fa0477d94699335d0b66f0f/720p/mp4/file.mp4</a>	
					HARMFUL EFFECTS OF NOISE POLLUTION	1				
					DISCUSSION OF REVISION EXERCISES	1				
DISCUSSION OF REVISION EXERCISES	1									

S.NO	BOOK NAME	MONTH	CHAPTER NUMBER	CHAPTER NAME	SUB-TOPICS	NO. OF DAYS REQUIRED	ACTIVITY	MATERIAL REQUIRED (IF ANY)	ANIMATED VIDEO LINK	CHARTS
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	A BATTERY, A LIGHT EMITTING DIODE, AN INSULATED COPPER WIRE, A PLASTIC BOTTLE CAP, LEMON JUICE AND VINEGAR.		
					ELECTROLYSIS	1				
					USES OF ELECTROLYSIS	1				
					ELECTROPLATING	1	TO OBSERVE THE ELECTROPLATING OF COPPER ON STAINLESS STEEL			
					USES OF ELECTROPLATING	1				
					DISCUSSION OF REVISION EXERCISES	1				
					DISCUSSION OF REVISION EXERCISES	1				
16	OXFORD INSPIRE	DECEMBER	14	SOME NATURAL PHENOMENON	ELECTRICAL CHARGE	1				
					CHARGING BY CONDUCTION	1	TO ATTRACT PIECES OF PAPER USING A CHARGED COMB	A PLASTIC COMB AND SOME SMALL PIECES OF PAPER		
					LIGHTNING AND EARTHQUAKES	1				
					LIGHTNING AND EARTHQUAKES	1				
					EARTHQUAKE	1				
					MEASUREMENTS OF SEISMIC WAVES	1				
					PROTECTION AGAINST EARTHQUAKE	1				
					DISCUSSION OF REVISION EXERCISES	1				
DISCUSSION OF REVISION EXERCISES	1									

S.NO	BOOK NAME	MONTH	CHAPTER NUMBER	CHAPTER NAME	SUB-TOPICS	NO. OF DAYS REQUIRED	ACTIVITY	MATERIAL REQUIRED (IF ANY)	ANIMATED VIDEO LINK	CHARTS
17	OXFORD INSPIRE	DECEMBER	15	LIGHT	WHAT MAKES THING VISIBLE	1				
					IMAGE FORMED BY PLANE MIRROR	1	TO VERIFY LAWS OF REFLECTION	A CARDBOARD, A PLANE MIRROR, DRAWING PINS, A SCALE, PROTECTOR		
					MULTIPLE REFLECTION	1	TO OBSERVE IMAGES FORMED BY TWO PLANE MIRRORS PLACED AT DIFFERENT ANGLES TO EACH OTHER	A CARDBOARD, A PAPER, A PLANE MIRROR, DRAWING PINS		
					REFRACTION, DISPERSION	1				
					THE HUMAN EYE	1				
					EYE HEALTH	1				
					HEALTHY EYE CARE	1				
					DISCUSSION OF REVISION EXERCISES	1				
18	OXFORD INSPIRE	DECEMBER	16	COAL AND PETROLEUM	OUR RESOURCES	1				
					COAL	1				
					PRODUCTS OF COAL	1		<a href="https://video.wixstatic.com/video/f29914_b8cab23fce824f699c606379370d1bb6/720p/mp4/file.mp4">https://video.wixstatic.com/video/f29914_b8cab23fce824f699c606379370d1bb6/720p/mp4/file.mp4</a>		
					PETROLEUM	1				
					NATURAL GAS	1				
19	OXFORD INSPIRE	JANUARY			PETROCHEMICALS	1				
					DISCUSSION OF REVISION EXERCISES	1				
					DISCUSSION OF REVISION EXERCISES	1				
					REVISION	1				
					REVISION	1				
					REVISION	1				
					REVISION	1				
					REVISION	1				
FINAL TERM ASSESSMENTS										