THE WISDOM GLOBAL SCHOOL

SYLLABUS BIFURCATION

GRADE -9

SUBJECT:- SCIENCE

NAME OF BOOKS: NCERT AND PHYSICS BY LAKHMIR SINGH AND MANJIT KAUR

YEAR 2025-26

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
					EVIDENCE OFPARTICLES IN MATTER	1			
1	PART-2 CHEMISTRY	APRIL	1	MATTER IN OUR SURROUNDINGS	DIFFUSION AND BROWNIAN MOTION	1	To show the diffusion of potassium permagnate in water		
					CHARACTERISTICS OF PARTICLES OF MATTER	1	TO SHOW THE CHARACTERISTICS OF POTASSIUM PERMAGNATE		
					Classification of Matter,Diffusion in Gases	1			
					Diffusion in Solids andLiquids	1			
					Unit of Temperature	1			
					EFFECT OF TEMPERATURE	1			
					LATENT HEAT OF FUSION	1			
					LATENT HEAT OFVAPORISATION	1			
						1			
2	PART-1 PHYSICS BY LAKHMIR SINGH AND MANJIT KAUR	APRIL	8	MOTION	INTRODUCTION	1			
					DISTANCE TRAVELLED AND DISPLACEMENT	1	TO MEASURE THE DISTANCE COVERED BY YOU AND MAGNITUDE OF		
					DISTANCE TRAVELLED AND DISPLACEMENT	1			o/f29914_839686ea29434b77
					UNIFORM MOTION AND NON UNIFORM MOTION	1	TAKE A PIECE OF THREAD AND TIE A SMALL PIECE OF STONE AT ONE OF ITS ENDS MOVE THE STONE. TO DESCRIBE A CIRCULAR PATH	STONE	
					SPEED	1			
					UNIFORM SPEED	1	TO EXAMINE THE DATA REGARDING THE MOTION OF TWO DIFFERENT OBJECTS A AND B. STATE WHETHER THE MOTION IS UNIFORM OR NOT	GIVEN DATA	
					UNIFORM SPEED	1			
					VELOCITY	1			
					VELOCITY	1			
		APRIL			VELOCITY	1			
					ACCELERATION	1			
					NON UNIFORM MOTION	1			
					AVERAGE VELOCITY	1			
					EQUATION OF UNIFORMLY ACCELARATED MOTION	1			
					GRAPHICAL REPRESENTATION OF MOTION	1			
						1			
					TO DERIVE EQUATION OF MOTION	1			
					UNIFORM CIRCULAR MOTION	1			
					DISCUSSION OF REVISION EXERCISES	1			
4		APRIL		CELL : THE FUNDAMENTAL UNIT OF LIFE			TO SUDY ABOUT COMPOUND MICROSCOPE	COMPOUND AND ELECTRON MICROSCOPE	
					Introduction and warm up	1			
					questions about : The Living World	1			
					Study of structure and working of compound microscope	1			
					Cell - Basic Unit of life:	1		https://video.wixstatic.com/video/f29914_859	
					structural organization of the cell	1			
					structural organization of the cell	1			
					plasma membrane	1	TO PREPARE HYPOTONIC , HYPERTONIC AND ISOTONIC SOLUTION	https://video.wixstatic.com/video/f29914_42	3 BEAKERS , WATER , RESINS , SALT OR SUGAR
					structural organization of the cell	1			
					diffusion and osmosis	1			
					cell wall and nucleus	1			
					chromosome	1			
					cytoplasm, organelles &	1			
					inclusion , Golgi body	1			
					endoplasmic reticulum , lysosome	1			
					plastid ,Centrosome,Cilia, Flagella	1			
					centrosome, cilia and	1			
					flagella, vacuole	1			
					types of cells- prokaryotic cell	1			
					eukaryotic cell	1			
					What is a Mixture	1			
					Solution	1			
					Suspension	1			
					Colloid	1			
					Separating the Components of a Mixture	1			
					ACTIVITY-Evaporation	1			
5	PART-2 CHEMISTRY BY BY LAKHMIR SINGH	MAY		IS MATTER AROUND US	Introduction to Mixture	1	Verification of the law of conservation of mass:		
					mixtures (homogeneous and heterogeneous)	1			
					how to separate them using various techniques like	1			
					how to separate them using various techniques like	1			
					how to separate them using various techniques like	1			
					concept of chemical and physical changes.	1			
					Elents and compounds	1			
					Ccompond and Elents	1			
					Colloid,Emulsion	1			
2	PART-1 PHYSICS BY LAKHMIR SINGH AND MANJIT KAUR	MAY	2	FORCE AND LAWS OF MOTION	FORCE AND ITS EFFECTS	1			
					FORCE AND ITS EFFECTS	1	TO SHOW EFFECTS OF FORCE ON A SPRING AND ARUBBER BALL.	A SPRING , A RUBBER BALL	
					BALANCED AND UNBALANCED FORCES	1			
					BALANCED AND UNBALANCED FORCES	1			
					NEWTONS LAW OF MOTION	1	TO SHOW THE LAW OF INERTIA IN A GLASS FULL OF WATER COVERED WITH A CARD. BY FLICKING WITH THE FINGER THE COIN PLACED OVER IT	CARD, A COIN	
					MOMENTUM	1			
					DISCUSSION OF BOOK EXERCISES	1			o/f29914_5c5b8760021848a7
					NEWTONS SECOND LAW OF MOTION	1	TO SHOW HOW A PLAYER PULLS HIS HAND WITH THE MOVING BALL, SHOWING SECOND LAO OF MOTION	A BALL	
					APPLICATION OF NEWTONS SECOND LAW	1			
		MAY			NEWTONS THIRD LAW OF MOTION	1	TO SHOW ACTION AND REACTION FORCE ARE EQUAL USING SPRING BALANCE	TWO SPRING BALANCES	
					NEWTONS THIRD LAW OF MOTION	1			
					CONSERVATION OF MOMENTUM	1			
					APPLICATIONS OF LAW OF CONSERVATION	1			
					APPLICATIONS OF LAW OF CONSERVATION	1			
					DISCUSSION OF BOOK EXERCISES	1			
					DISCUSSION OF BOOK EXERCISES	1			
					DISCUSSION OF BOOK EXERCISES	1			
		MAY		TISSUE	Tissue: introduction of plant and	1	PERMANENT SLIDE SHOW OF PROKARYOTES AND EUKARYOTES	https://video.wixstatic.com/video/f29914_59	MICROSCOPE AND PERMANENT SLIDES
					animal tissue	1			
					plant tissue and its type:	1	PREPARATION OF MERISTEMATIC ROOT CELLS USING ONION		WITH ROOT , SEFFARANIN
					meristematic tissue	1			
					Permanent plant tissue: simple	1			
					permanent plant tissue	1			
					Sclerenchyma and protective	1			