

ACADEMIC PLANNER 2023-24
CLASS - IX
SCIENCE

MONTH/DAYS	CONTENTS	Assignment given	ACTIVITY/EXPERIMENT
April 1-15			
No. of days-9			
Phy.	Chapter 7 : Motion : Describing motion, motion along a straight line, uniform and non uniform motion, speed with direction, rate of change of velocity	Intext Questions	Examples from day to day life (Real life experiences will be discussed while travelling in different vehicles)
Chem.	Chapter 1: Matter in our surroundings : Physical nature of matter, characteristics of particles of matter, state of matter, diffusion	Intext Questions	
Bio.	Chapter 5: The fundamental unit of Life: Discovery of cell, structural organization of a cell, plasma membrane, diffusion, osmosis	Notes Preparation & Intext Questions	1) To prepare the temporary mount of onion peel.
		ONLINE EDUCOSOFT ASSESSMENTS	
April 16-30			
No. of days-11			
Phy.	Chapter 7 : Motion : graphs - distance/ time graph, velocity/ time graph	Intext Questions	Draw the D-t and v-t graphs on graph paper and interpret the results
Chem.	Chapter 1: Matter in our surroundings: change of state of matter, Effects of change of pressure	Intext questions	
Bio.	Chapter 5: The fundamental unit of Life: cell wall, nucleus, cytoplasm	Notes Preparation & Revision	2) To prepare temporary mount of a human cheek cells.
		ONLINE EDUCOSOFT ASSESSMENTS	
May 1-15			
No. of days-11			
Phy.	Chapter 7 Motion : circular motion	TBQ and assignment	
Chem.	Chapter 1: Matter in our surroundings : evaporation, factors affecting evaporation, How does evaporation causes cooling	TBQ and assignment	To determine the boiling point of water and melting point of ice.
Bio.	Chapter 5 : Cell organelles - ER, golgi apparatus, lysosomes, mitochondria, plastids, vacuoles	Notes completion & Back	



		ONLINE EDUCOSOFT ASSESSMENTS	
	SUMMER VACATION		HOLIDAYS HOMEWORK
July 1-15			
No. of days-12			
Phy.	Chapter 8: Force and Laws of Motion : Balanced and Unbalanced forces, 1st law of motion, inertia of rest, inertia of motion and inertia of direction, inertia and mass	Intext Questions	Activites given in ncert to be done in the classroom
Chem	Chapter 2 : Is Matter around us pure: Mixtures, types of mixtures, solutions, alloys, concentration of solutions.	Intext Questions	1) To prepare a) true solution of sugar,salt and alum b) suspension of soil. chalk and sand c) colloid of starch in water and egg in water.
Bio.	Chapter 6: Tissues: Plant tissues-merismatic and permanent,	Notes Preperatio, Intext Questions& Book exercises	Permanent Slides :To identify parenchyma , collenchyma and sclerenchyma tissue in plants,
		ONLINE EDUCOSOFT ASSESSMENTS	
July 16-31			
No. of days-12			
Phy.	Chapter 8: Force and laws of motion: 2nd law of motion, momentum,3rd law of motion	TBQ and assignment	To verify newton's third law of motion
Chem.	Chapter 2 : Is Matter around us pure : suspensions, colloidal solutions	Intext Questions	
Bio.	Chapter 6: Tissues: animal tissues - epithelial tissue, connective issue, muscular tissue,nervous tissue	Notes completion & Assignment	Permanent Slides:Striped muscle fibres,cardiac musle fibres and nerve cells in animals from
		ONLINE EDUCOSOFT ASSESSMENTS	
	UNIT TEST- I (24 JULY-2 AUG)		Syllabus- Ch 1- Matter in our surroundings Ch-5 Fundamental unit of life Ch-7 Motion
August 1-15			
No. of days-11			
Phy.	Chapter 9 : Gravitation: Universal law of gravitation,accleration due to gravity	Intext Questions	

Chem.	Chapter 2 : Is Matter around us pure : physical and chemical changes, elements and compounds	TBQ and assignment	To prepare a mixture and compound using iron filings and sulphur powder
Bio.	Chapter 15- Improvement in food resources :Introduction	Notes Preparation	
		ONLINE EDUCOSOFT ASSESSMENTS	
August 16-31			
No. of days-13			
Phy	Chapter 9 : Gravitation: free fall, mass and weight	TBQ and assignment	
Chem.	Chapter 3 : Atoms and molecules : Laws of chemical combination	Intext Questions	To verify law of conservation of mass
Bio.	Chapter 15- Improvement in food resources :improvement in crop yields, crop variety improvement	Notes Preparation, Intext Questions	
September 1 - 15			
No. of days-11			
Phy/Chem/Bio	REVISION OF SYLLABUS of HALF YEARLY EXAM		NOTEBOOK ASSESSMENT
	HALF YEARLY EXAMINATION (18 SEPT- 05 Oct 2023)		
September 16- 30			
No. of days-12			
Phy./chem/bio	Half Yearly examination (Syllabus)		
	Chap 1 - Matter in our surroundings		
	Chap 2 - Is matter around us pure		
	Chap 5 - The fundamental unit of life		
	Chap 6 - Tissues		
	Chap 7 - Motion		
	Chap 8- Force & laws of motion		
	Chap 10- Gravitation(upto page 106)		
October 1-15			

No. of days-10			
Phy.	Chapter 9 : Gravitation : Pressure in fluids,Buoyancy, floating and sinking Archimedes Principle	Intext Questions	1. To determine the density of given solid using spring balance and measuring cylinder 2.To establish the relation between the loss in weight of a solid when fully immersed in a) tap water b) strong salty water
Chem.	Ch 3- Atoms, atomic mass, molecules, molecular mass, mass number, valency, Chemical formula,	Intext Questions	To verify the law of conservation of mass
Bio.	Chapter 15- Improvement in food resources : crop production management,fertilizers, manure, irrigation, crop protection management	Notes Preperatio, Intext Questions& Back exercises	
		ONLINE EDUCOSOFT ASSESSMETS	
October 16 - 31			
No. of days- 9			
Phy.	Chapter 10 : Work and energy : work,work done by a force, energy, forms of energy	Intext Questions	
Chem.	Chapter 3: Molecular Mass and formula unit mass	TBQ and assignment	
Bio	Chapter 15 Animal Husbandry, cattle farming, poultry farming, fish production, bee keeping	Notes completion & Assignment	
		ONLINE EDUCOSOFT ASSESSMETS	
November 1-15			
No. of days- 9			
Phy	Chapter 10 : Work and energy : K.E	Intext Questions	
Chem.	Ch 4- Structure of atom: thomson model	Intext Questions	
Bio.	Ch-15 Recapitulation	Extra Questions	Revision - ch-15 Improvement of food Resources
		ONLINE EDUCOSOFT ASSESSMETS	
November 16-30			
No. of days-12			
Phy.	P.E, Law of conservation of energy, power	TBQ and assignment	

Chem.	Chapter 4 : Structure of atom : Rutherford model, Bohr's model		
Bio.	Ch-5 Recapitulation		
		ONLINE EDUCOSOFT ASSESSMENTS	
	Unit Test -2 (20 Nov- 29 Nov)		Syllabus- Ch 3 Atoms and Molecules
			Ch 10 Work and Energy
			Chapter 15- Improvement in food resources
December 1-15			
No. of days-12			
Phy.	Chapter 11 - Sound : Production of sound propagation of sound, characteristics of sound.	Intext Questions	To determine the velocity of a pulse propagated through a stretched string/slinky
Chem	Chapter 4 : Structure of atom: distribution of electrons, Sub atomic particles, valency		
Bio	Ch-6 Recapitulation		
		ONLINE EDUCOSOFT ASSESSMENTS	
December 16-31			
No. of days-13			
Phy.	Chapter 11 - Sound : Speed of sound, reflection of sound,echo,	Intext Questions	To verify the laws of reflection of sound
Chem	Chapter 4 : Structure of atom: Isotopes, Isobars, applications of isotopes	Intext Questions	
Bio	Revision		
		ONLINE EDUCOSOFT ASSESSMENTS	
JANUARY 1- 15	WINTER BREAK		
No. of days-3			
Phy	applications of reflection of sound reverberation	Intext Questions	
Chem.	Ch 4 - mass number, atomic number	Intext Questions	
Bio.	Revision		

		ONLINE EDUCOSOFT ASSESSMETS	
January 16-31			
No. of days-13			
Phy	range of hearing	TBQ and assignment	
Chem.	Revision	TBQ and assignment	
Bio.	Revision		
			NOTEBOOK ASSESSMENT
February 1-15			
No. of days-12			
Phy/Chem/Bio	REVISION		
February16- 28			
No. of days-12			
Phy/Chem/Bio	ANNUAL EXAMS		Complete Book
March			
No. of days-24	ANNUAL EXAMS		