

Class – IX

Sub: Physics

Weekly Syllabus (Tentative)

Academic Session 2024-25

Month	Week	Dates		Days	No of Periods	Chapter	Contents	Syllabus
Mar 24	Block Teaching							
Apr-24	I	01-06	06-Working Saturday (Staff)	05	02	Chapter-7 Describing Motion	7.1 Describing motion -Introduction. * Motion along a straight line * Uniform and non-uniform motion	
	II	08-12	11 – Id-ul-Fitr	04	01	Chapter-7 Describing Motion	7.2 Measuring the rate of motion. * Speed with direction *Numerical	
	III	15-19	14 - Ambedakar Jayanti 17 – Ram Navami 21 - Mahavir Jayanti	04	01	Chapter-7 Describing Motion	7.3 Rate of change of velocity	
	IV	22-27	27-Working Saturday (Student)	06	02	Chapter-7 Describing Motion	*Numerical 7.4 Graphical representation of motion *Distance-time graphs	
	V	29-30		02	01	Chapter-7 Describing Motion	7.4 Graphical representation of motion *Velocity time graphs	

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May-24	I	01-03	01-03 : ES-1 (XII)/ CT-1 (X)	03	01	Chapter-7 Describing Motion	7.4 Graphical representation of motion *Velocity time graphs	
	II	06-10	06-07 : ES-1 (XII)/ CT-1 (X) 09,10 – The Quest	05	02	Chapter-7 Describing Motion	7.5 Equations of motion *NUMERICALS	
	III	13-18	18- Working Saturday (Open House X & XII)	06	02	Chapter-7 Describing Motion	7.6 Uniform circular motion NCERT QUESTIONS	
***** SUMMER BREAK 20 MAY -30 JUN 2024 *****								
Jul-24	I	01-06	01- School reopens for staff 06-Working Saturday (Student)	05	02	Chapter-8 Force and Laws of motion	8.1 Balanced and Unbalanced Forces 8.2 First law of motion	PT-I Date: 05 Jul – 12Jul Chapter-7 Describing Motion
	II	08-12		05	02	Chapter-8 Force and Laws of motion	8.3 Inertia and mass 8.4 Second law of motion *Mathematical formulation of second law of motion * Numericals of second law	
	III	15-19	17-Muharram	04	02	Chapter-8 Force and Laws of motion	8. 5 Third law of Motion	
	IV	22-27	27 – Working Saturday (Students)	06	02	Chapter-8 Force and Laws of motion	*NCERT EXERCISE	
	V	29-31		03	01			

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						Chapter-8 Force and Laws of motion	*NCERT EXERCISE	
Aug-24	I	01-03	03 – Working Saturday (Open House (VI-X), XII)	03	01	Chapter-9 Gravitation	9.1 Gravitation Introduction	
	II	05-09		05	02	Chapter-9 Gravitation	9.1 Gravitation * Universal law of Gravitation * Importance of the universal law of gravitation	
	III	12-16	15 – Independence Day	04	01	Chapter-9 Gravitation	* 9.2 Free fall? *Calculation of value of g	
	IV	19-23	19-Raksha Bandhan	04	01	Chapter-9 Gravitation	*Motion of objects under the influence of gravitational force of the earth * 9.3 Mass *9.4 Weight *Weight of an object on the moon	
	V	26-31	26-Janmashtami 31-Working Saturday (Students) 31-Annual Prize Distribution	05	02	Chapter-9 Gravitation	Revision	
Sep-24	I	02-06		05				
	II	09-14	14 – Working Saturday (Students)	06			Mid Term/ HYE Exam	Mid Term (PT-II)/ HYE Date 09-24 Sep

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								Chapter-7 Describing Motion
	III	16-21	16-Milad-un-Nabi 21 – Working Saturday (Students)	05	01	-----	Showing of answer sheets	Chapter-8: Force and laws of motion
	IV	23-27		05	02	Chapter-9 Gravitation	9.5Thrust and pressure - Pressure in fluids	Chapter-9: Gravitation (upto article 9.4)
	V	30		01	01	Chapter-9 Gravitation	9.5Thrust and pressure Pressure in fluids	
Oct-24	II	01-05	02-Mahatma Gandhi's Birthday 05-Annual Prize Distribution	04	01	Chapter-9 Gravitation	*Numerical	
	III	07-12	09-13– Autumn Break 12- Dussehra	02	01	Chapter-9 Gravitation	9.5Thrust and pressure *Buoyancy	
	IV	14-19	17-Maharishi Valmiki's Birthday 19 – Working Saturday (Open House VI-XII)	05	02	Chapter-9 Gravitation	*Buoyancy *Why objects float or sink when placed on the surface of water? 9.5Archimedes' Principle	

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	V	21-25	20– Karwa Chouth	05	02	Chapter-9 Gravitation	NCERT EXERCISE	
	VI	28-31	30-03 Nov – Diwali Break	02	01	Chapter-9 Gravitation	NCERT EXERCISE	
*** Autumn Break 09-13 Oct 2024 ***								
Nov-24	I	04-09	09 – Working Saturday (Students)	06	02	Chapter-10 Work and Energy	10.1 Work * Not much work inspite of working hard! * Scientific concept of work *Work done by a constant force	
	II	11-15	12 – Annual Day 15 – Guru Nank's Birthday	04	01	Chapter-10 Work and Energy	10.2 Energy * Forms of Energy *Kinetic Energy	
	III	18-22		05	02	Chapter-10 Work and Energy	*Kinetic Energy (Numericals) • Potential energy *Potential energy of an object at a height	PT-III (IX): 19 Nov-10 Dec Chapter-7 Describing Motion
	IV	25-30	29,30 – Annual Athletic Meet	06	02	Chapter-10 Work and Energy	* Law of conservation of energy *Rate of doing work	Chapter-8: Force and laws of motion Chapter-9: Gravitation Chapter-10 Work, Energy and power
Dec-24	I	02-07	07 – Sports Day	06	02	Chapter-11 SOUND	NCERT EXERCISE Chapter10 11.1 Production of sound	
	II	09-13		05	02	Chapter-11 SOUND	11.2 Propagation of sound *Sound needs a medium to travel *Sound waves are longitudinal	

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							waves *Characteristics of a sound wave * Speed of sound in different media	
	III	16-21	21-Working Saturday, Open House (X & XII)	06	02	Chapter-11 SOUND	*Characteristics of a sound wave	
	IV	23	24,25 – Christmas Holidays	01	01	Chapter-11 SOUND	* Speed of sound in different media	
*** Winter Break from 26 Dec to 04 Jan 2025 ***								
Jan-25	I	06-10		05	02	Chapter-11 SOUND	11.3 Reflection of sound *Echo *Reverberation *Uses of multiple reflection of sound	
	II	13-18	18-Working Saturday, Open House (VI-IX, XI)	06	02	Chapter-11 SOUND	11.4 Range of Hearing 11.5 Applications of Ultrasound	
	III	20-25	25-Citation Ceremony 25-Open House XII 26-Republic Day	06	02	Chapter-11 SOUND	NCERT EXERCISE	
	IV	27-31		05	02	Chapter-11 SOUND	REVISION	
Feb-25	I	01	01 – Farewell XII 01- Open House X	01			REVISION	
	II	03-07		05			REVISION	
								Annual Exam Class IX

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							Annual Exams start	& XI – 05 Feb-19 Feb 2025 Chapter-7 Describing Motion Chapter-8: Force and laws of motion Chapter-9: Gravitation Chapter-10 Work, Energy and power Chapter11 Sound	
	III	10-14		05					
	IV	17-22	22-Working Saturday (students)	06			Annual Exams till 19 th		
	V	24-28	26-Maha Shivratri	04			-----		
Mar-25	Annual Exam Classes VI-VIII – 25 Feb-10 Mar 2025								

Note: The examination syllabus as mentioned above is to be considered Tentative. The final syllabus for each exam will be uploaded on the website along with the Date Sheet at the time of the examination.