THE AIR FORCE SCHOOL : SUBROTO PARK : DELHI CANTT-110010

Class – IX

Sub: PHYSICS

Weekly Syllabus

Academic Session 2023-24

Month	Week	Dates		Days	No of Periods	Chapter	Contents	Syllabus
Apr-23	I	01	**01-Working Saturday (Student)**	01	01	Chapter-7 Describing Motion	INTRODUCTION	
	II	03-07	**04 - Mahavir Jayanti** **07 – Good Friday**	03	02	Chapter-7 Describing Motion	7.1 Describing motion - Introduction. • Motion along a straight line • Uniform and non-uniform motion	
	III	10-14	**14 - Ambedakar Jayanti**	04	02	Chapter-7 Describing Motion	7.2 Measuring the rate of motion. • Speed with direction 7.3Rate of change of velocity	
	IV	17-21		05	02	Chapter-7 Describing Motion	Numerical	
	V	24-29	**29-Working Saturday (Student)** **29 – Parent Orientation VI & IX**	06	02	Chapter-7 Describing Motion	7.4 Graphical representation of motion • Distance-time graphs Velocity time graphs NCERT questions	
May-23	I	01-05	**05 – Budha Purnima** **01-04 : ES-1 (XII)/ CT-1**	04	02	Chapter-7 Describing Motion	7.5 Equations of motion	**ES-1 (XII)/ CT-1 (X)** **Date: 01-08 May**

Month	Week	Dates		Days	No of Periods	Chapter	Contents	Syllabus
			(X)				NUMERICALS	
	II	08-12	**08 : ES-1 (XII)/ CT-1 (X) 11,12 – The Quest**	05	02	Chapter-7 Describing Motion	7.6 Uniform Circular Motion	
	III	15-20	**20- Working Saturday (Open House X & XII)**	06	02		NCERT EXERCISE	
******* SUMMER BREAK 22 MAY -30 JUN 2023 ********								
Jul-23	I	01-	01- School reopens for staff	01				**PT-I** **Class VI-X Date: 07 Jul – 19Jul**
	II	03-07		05	02	Chapter-8: Force and laws of motion	8.1 Balanced and Unbalanced Forces	Chapter-7 Describing Motion
	III	10-14		05	02	Chapter-8: Force and laws of motion	8.2 First law of motion 8.3 Inertia and mass	
	IV	17-22	**22 – Working Saturday (Students)**	06	02	Chapter-8: Force and laws of motion	8.4 Second law of motion *Mathematical formulation of second law of motion	
	V	24-28	**29-Muharram**	05	02		8. 5 Third law of Motion	

Month	Week	Dates		Days	No of Periods	Chapter	Contents	Syllabus
						Chapter-8: Force and laws of motion		
	VI	31		01				
Aug-23	I	01-05	**05 – Working Saturday (Open House (VI-X), XII)**	05	02	Chapter-8: Force and laws of motion	NCERT Back Exercise	
	II	07-11		05	02	Chapter-9 :Gravitation	9.1Gravitation • Universal law of Gravitation • Importance of the universal law of gravitation	
	III	14-18	**15 – Independence Day**	04	02	Chapter-9 :Gravitation	• 9.2 Free fall? Motion of objects under the influence of gravitational force of the earth	
	IV	21-26	**24,25-Class Test** **26-Working Saturday (Students)** **26-Annual Prize Distribution**	06	01	Chapter-9 :Gravitation	9.3Mass 9.4 Weight	**ES-1 (XI): 21 Aug – 25 Aug**
	V	28-31	**30-Raksha Bandhan** **28,29 -Class Test**	03	01	Chapter-9 :Gravitation	• Weight of an object on the moon	

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Sep-23	I	01	**01 -Class Test**	01		REVISION		
	II	04-08	**07-Janmashtami**	04		REVISION		**Mid Term (PT-II)/ HYE** **Date 11-23 Sep** Chapter-7 Describing Motion Chapter-8: Force and laws of motion Chapter-9: Gravitation (upto article 9.4)
	III	11-16	**16 – Working Saturday (Students)**	06		Mid Term/ HYE Exam		
	IV	18-23	**23 – Working Saturday (Students)**	06				
	V	25-30	**28-Milad-un-Nabi**	04	02	Chapter-9 :Gravitation	9.5Thrust and pressure Pressure in fluids Buoyancy	
Oct-23	II	02-07	**02-Mahatma Gandhi's Birthday** **07-Annual Prize Distribution**	05	02	Chapter-9 :Gravitation	• Why objects float or sink when placed on the surface of water?	
	III	09-14	**14- Working Saturday(Open House VI-XII)**	06	02	Chapter-9 :Gravitation	9.6Archimedes' Principle	
	IV	16-20		05	02	Chapter-9 :Gravitation	NCERT EXERCISE	
	V	23-27	**23– Autumn Break**	03	01			

Month	Week	Dates		Days	No of Periods	Chapter	Contents	Syllabus
			24- Dussehra **28-Maharishi Valmiki's Birthday**					
	VI	30-31		02		Chapter-10 Work, Energy and power	10.1 Work • Not much work inspite of working hard! Scientific concept of work	
***** Autumn Break 23 Oct 2023 *****								
Nov-23	I	01-04	**01– Karwa Chouth** **04 – Working Saturday (Students)**	03	01		10.2 Energy • Forms of Energy Kinetic Energy	
	II	06-10	**07 – Annual Day**	05	02	Chapter-10 Work, Energy and power	• Potential energy Potential energy of an object at a height • Are various energy forms inter convertible? • Law of conservation of energy • 10.3 Rate of doing work	
	III	13-18	**11-15 – Diwali Break**	03	01		REVISION	**PT-III (IX & X)**: 20 Nov-30 Nov Chapter-7 Describing Motion Chapter-8: Force and laws of motion Chapter-9: Gravitation Chapter-10 Work, Energy
	IV	20-24		05	02		REVISION	
	V	27-30	**27 – Guru Nank's Birthday**	03	01		REVISION	
Dec-23	**I**	01-02	**01,02 – Annual Athletic**	02				

Month	Week	Dates		Days	No of Periods	Chapter	Contents	Syllabus
			Meet					and power
	II	04-09	**09 – Sports Day**	06	02	Chapter-11	11.1 Production of sound 11.2 Propagation of sound Sound needs a medium to travel	
	III	11-16	**16-Working Saturday, Open House (IX,X & XII)**	06	02		Sound waves are longitudinal waves • Characteristics of a sound wave • Speed of sound in different media	
	IV	18-22	**20-22 – TAFS MUN** **24,25 – Christmas Holidays**	05	02		11.3 Reflection of sound • Echo • Reverberation	
***** Winter Break from 26 Dec to 05 Jan 2024 *****								
Jan-24	I	08-12		05	02		Reflection of sound • Uses of multiple reflection of sound	**Pre-Board (X & XII):** **09 Jan-23 Jan**
	II	15-20	**20-Working Saturday, Open House (VI-VIII, XI)**	06	02		11.4Range of Hearing 11.5 Applications of Ultrasound	
	III	22-27	**26-Republic Day** **27- Farewell XII**	05	02			
	IV	29-31		03	01			
Feb-24	I	01-03	**01,02- Class Test** **03-Working Saturday, Citation Ceremony, Open House (X& XII)**	03	01		REVISION	
	II	05-09	**05-08- Class Test**	05	01		REVISION	**Annual Exam Class IX**

Month	Week	Dates		Days	No of Periods	Chapter	Contents	Syllabus
								& XI – 07 Feb-21 Feb 2023
	III	12-16		05				Chapter-7 Describing Motion Chapter-8: Force and laws of motion
	IV	19-23		05				Chapter-9: Gravitation Chapter-10 Work, Energy and power Chapter11 Sound
	V	26-29		04				
Mar-24	**Annual Exam Classes VI-VIII – 26 Feb-11 Mar 2024**							

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.