

St. Xavier's School



Syllabus Planner

Class-Div	7	Syllabus 2026-27		
Subject	Physics			
Tr's Name	Neha Kumari			
Sl. No.	Name of chapter	Topic	Month	week
FIRST SEMESTER				
1	Measurement	Measurement of Volume	April	4
		Measurement of Area of regular and irregular shapes		
		Measurement of Density of regular solids		
		Calculation of Speed		
2	Motion	Concept of Rest and Motion	May	1
		Types of Motion	June	2
		Uniform and Non Uniform Motion		
		Distance or path length		
		Concept of average Speed		
		Concept of Weight and Mass		
3	Energy	Relation between Work and Energy	July	4
		Different Forms of Energy		
		Energy Conversions		
		Law of conservation of energy		
4	Light Energy	Reflection of Light	July	1
		Laws of Reflections - types and ray diagrams	August	4
		Ray Diagrams of Reflections through a Plane Mirror		
		Primary and Secondary Colours		
		Colour Addition and Colours Subtraction		
		Appearance of colour of an opaque and transparent object		
REVISION			September	2
SECOND SEMESTER				
5	Heat	Concept of Heat and Temperature	October	4
		Scales of Temperature and its Interconversion.	November	1
		Effects of Heat		
		Good and Bad conductors of Heat		
		Methods of Heat Transfer		
		Construction and Working of a Thermoflask		
6	sound	Sources of Sound	November	2
		Propagation of Sound as a Longitudinal Wave	December	2
		Characteristics of Sound Wave		
		Speed of Sound		
		Audible and inaudible sound		
		Reflection and absorption of Sound		
7	Electricity and magnetism	Echo and reverberation	December	2
		Properties of a magnet		
		Law of magnetism		
		Test for a Magnet by Repulsion		
		Electromagnetism, Electromagnets, Advantages and their Applications - Electric Bell		
		Electric Current - Flow of Electric Charge		
Sources of electricity, dry cell, electric circuit and symbol	January	4		
			Series and parallel electric circuit	
			REVISION	February