

St. Xavier's School

Syllabus and Lesson Planner



Class	10	Syllabus		
Subject	Physics	Syllabus		
Ch. No.	Name of Chapter	Topic	Month	Week
1	Force	Moment of Force and Equilibrium	March-April	2
		Centre of Gravity		
		Uniform Circular Motion		
2	Work, Energy and Power	Work, Energy	April	3
		Simple numerical based on Work done and Energy		
		Forms of Energy		
		Power and numerical based on it.		
3	Machine	Machine and its Technical Terms	May	1
		Lever and Pulley		
4	Refraction of Light at plane Surfaces Refraction through a Lens Spectrum	Refraction, Its Laws and Refractive index.	June	2
		Refraction of Light Through a Prism.		
		Formation of images and numericals based on Lens. Power of Lens		
		Spectrum and Electromagnetic Spectrum		
5	Sound	Reflection of Sound Waves, Echoes, Resonance	July	4
		Characteristics of Sound.		
6	Current Electricity	Ohm's Law, E.M.F., Combination of Resistors	August	4
		Electrical Energy and Power.		
7	Household Circuits Electro-magnetism	Household Circuit (Transmission of Power)	September	2
		Magnetic Effect of Electric Current		
		Force on a current carrying Conductor in a Magnetic field.		
		Electromagnetic Induction		
8	Electro magnetism continue..... Calorimetry	Calorimetry, Principle of Mixture	October	3
		Numericals based on Specific heat capacity		
		Latent heat		
		Numericals based on topics.		
9	Radioactivity	Atomic Structure and Radioactivity	November	3
		Nuclear Fusion and Fission.		
10	PRE-BOARD EXAMINATION	Revision for Pre-Board examination.	December	