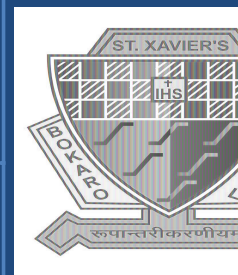


St. Xavier's School



Syllabus and Lesson Planner

Class	8	Syllabus		
Subject	Physics	Syllabus		
Ch. No.	Name of Chapter	Topic	Month	Week
1	Matter	Introduction of matter and its states.	March-April	2
		Distinguish the different states in terms of movement of particles and energy carried by them.		
		Change of state		
		Evaporation		
2	Physical quantities and measurement	Measurement of density of irregular solid.	April-May	2
		Measurement of density of liquid		
		Introduction of density bottle.		
		Relative density and numerical based on it.		
3	Force and Pressure	Introduction of force and turning effect of force.	June	2
		Moment of force and its unit.		
4	Force and Pressure continue..... Energy	Pressure due to solid and liquid column.	July	4
		Atmospheric Pressure		
		Numerical problem based on topics taught.		
		Introduction of work, energy and power		
5	Energy continue..... Revision for FIRST SEMESTER	Numerical problem based on topics taught.	August	4
		Kinetic and potential energy		
		Transformation of energy		
		Numerical based on $K = \frac{1}{2} mv^2$ and $U = mgh$.		
6	Light Energy	FIRST SEMESTER	September	1
		Introduction of reflection and refraction.		
		Basic explanation of spherical mirror.		
7	Light chapter continue.....	Rules for ray diagrams for spherical mirror.	October	3
		Types of images. Brief discussion about refraction		
		Ray diagram		
8	Heat Transfer	Thermal expansion of solids, liquids and gases.	November	3
		Application of thermal expansion of liquid.		
9	Sound	Introduction of sound and its terms .	December	2
		Graphical representation of waves.		
10	Sound continue..... Static Electricity	Characteristics of Sound	January	3
		Simple numerical based on topics discussed.		
11	Revision for Second semester	Basic introduction about Static electricity	February	1
		Recapitulation for Second semester		