

# St. Xavier's School

## Syllabus and Lesson Planner



Class	9			
Subject	Physics			
<i>Syllabus</i>				
Ch. No.	Name of Chapter	Topic	Month	Week
1	Measurements and Experimentation	International Syatem of units and symbols.	March-April	4
		Significant firures, Order of Magnitude and rounding off.		
		Vernier callipers, screw gauge and simple pendulum.		
2	Motion in One Dimension	Scalar and Vector Quantities	May	2
		speed,velocity,acceleration and retardation, s-t and v-t graph, Equations of Motion and simple numerical questions based on equations.		
3	Motion in one dimension continue.. Laws of Motion	Contact and non-contact forcees.	June	2
		Newton's first laws of Motion		
		Introduction of the idea of inertia,mass and force. Simple numericsl based on the topics.		
4	Laws of Motion continue..... Pressure in Fluids and Atmospheric Pressure		July	4
		Newton's First law of Motion and Inertia Motion.		
		Linear Momentum and Newton's 2nd Law of Motion		
		Newton's Third law of Motion		
5	Pressure in Fluids and Atmospheric Pressure PressureUpthrust in Fluids and Heat		August	4
		Simple numerical based on chapter.		
		Archimedes' Principal and Floatation		
		Concept of heat and Temperature Anomalous expansion of water.		
6	First Semester Rivision		September	1
7	Reflection of light	Laws of Reflection and image formation by a plane Mirror Spherical Mirrors, Image Formation and their uses.Spherical Mirrors, Image Formation and their uses. Simple numerical based on Mirror formula.	September	2
8	Reflection of light continue..... Propagation of sound waves	Production and Propagation of sound wave.	October	3
		Infrasonic and Ultrasonis frequencies.		
		Simple numerical based on topics taught.		
9	Current Electricity	Electric current,Potential difference and Resistance,Efficient use of Energy.	November	3
10	Magnetism	Induced Magnetism and Neutral Point	Dec-Jan	3
		Electromagnet and its uses.		
11	Revision for Second	Recapitulation of entire syllabus of PHYSICS.	February	1