

# ACADEMIC HEIGHTS PUBLIC SCHOOL

Jungle Dhusar, Gorakhpur

Session 2017-18

## Syllabus of Class - IX, Subject - Physics

Month	W. Days	Topics	Activity
April	22	<b>1. Motion :</b>	a) Graphical representation of
		Distance and displacement, Velocity;	various types of motion.
		Uniform and Non-Uniform motion along a	b) Demonstration of uniform
		straight line; acceleration, Graphical	circular motion.
		representation of motion	
May + June	17+9	Velocity - Time graphs for uniform and	
		non-uniform accelerated motion.	
		Eqn. of motion by graphical method	
<b>Periodic Test - I</b>			
July	26	<b>1. Motion (contd.) :</b>	To plot distance – time graph
		Equations of motion by graphical method,	and find speed.
		uniform circular motion.	To plot velocity-Time graph and
		<b>2. Force and Laws of Motion :</b>	acceleration
		Force, Balanced and Unbalanced force. First	
		law of motion, Inertia & Mass.	
		Momentum, force and acceleration.	
		Laws of conservation of momentum,	
		Second law of motion, Third law of motion,	
		Action and Reaction.	
August	24	<b>3. Gravitation :</b>	d) To establish the relationship
		Gravitation, Universal law of Gravitation,	between weight of a rectangular
		Free fall body, Mass and Weight, Force of	wooden block using spring
		Gravitation of the earth, acceleration due to	balance.
		gravity, mass and weight, variation of g	
<b>Half Yearly</b>			

Principal/Director