

Academic Heights Public School

Jungle Dhusar, Gorakhpur

Session 2017-18

Syllabus of Class - VIII, Subject - Physics

Month	W. Days	Topics	Activity
April+May	24+17	Force and Pressure: Idea of Force – Push or Pull:change in speed, direction of moving objects and shapes of objects by applying force, contact and non contact forces, forces are due to an interaction.	To investigate frictional force. To measure pressure at different length
		Types of forces:- Muscular force, Gravitational force, Electrostatic force, Magnetic force, force of friction. Pressure (Define & Unit), Idea of pressure exerted by air/liquid, Atmospheric pressure, Daily life experiences	
		Pressure exerted by liquid/gases(Contd.)	
Periodic Test - 1			
June	9	Friction : Definition, force of friction, factors affecting force of friction, friction-a necessary evil. Advantage and Disadvantages of friction for the movement of automobiles, aero planes and boats. Ships: Increasing and decreasing friction. Methods of reducing friction. Fluid friction	
Half Yearly			
July	26	Sound:- Introduction, sound is produced by a vibrating body, sound produced by humans, sound needs a medium for propagation, amplitude, time period and frequency of a vibration, characteristics of sound, we hear sound through our ears (human ear), audible and inaudible sounds.	To give an idea of amplitude, time period, frequency using a simple pendulum To show that sound requires medium to propagate
Periodic Test - 2			
August	24	Sound(contd.) : Noise and Music, Noise pollution, measures to limit noise pollution. Chemical Effect of Electric Current : Do liquids conduct Electricity, chemical effect of electric current, conductors and insulators, electrolysis, electroplating. Good and poor conductors.	To demonstrate a primary cell to Test which substance is conductor and insulator
Sept.	24		
Annual Exami			