

# ACADEMIC HEIGHTS PUBLIC SCHOOL

Jungle Dhusar, Gorakhpur

Session 2017-18

## Syllabus of Class - VIII, Subject - Chemistry

Month	W. Days	Name of the Chapter/Topics	Activity	Period
April	22	<b>Synthetic fibers and plastics</b>		
		Natural fibre and synthetic fibre, polymer; types of synthetic fibre : Rayon, nylon, acrylic, PET, characteristics of synthetic fibre; Plastic (Polythene, PVC, Bakelite, Melamine, Teflon), Types of Plastics : Thermo plastics and thermosetting plastic; Useful properties of plastic, Biodegradable and Non-biodegradable materials; Plastic and environment	3.1/Project (Pg. No. 42, Qu-3)	10
<b>Periodic Test - 1</b>				
May + June	17+9	<b>Metals and Non-metals</b>		
		Element; types of element, metal, non metal and metalloids, physical properties of metal and non metal (Malleability, Ductility, Conductivity, Lustre, Strength, Sonorous and hardness); Chemical properties of metal and non metal, reaction with oxygen, water, acid and bases; Reactivity series of metal and displacement reaction of metals, uses of metal and non metal.	1, 2, 3, 4, 5, 6, 7, 8	10
July	26	<b>Coal &amp; Petroleum</b>		
		Natural resources		
		Coal		
		Story of coal		
		Coke/coal tar, natural gas	1	6
		Petroleum, Refining of petroleum		
		Natural Gas		
		Various constituents of petroleum and their uses		
<b>Half Yearly Exam</b>				
Aug	24	<b>Combustion and Flame</b>		
		Introduction, combustible and non combustible substances		
		Different types of combustion		
		<b>Flame</b> : Different zones of candle flame		
		Differences between luminous and non luminous zones		
		<b>Fuels</b> : Characteristics of fuels, fire extinguisher and its types		6
<b>Periodic Test - 2</b>				
Sept	24	<b>Pollution Of Air and Water</b>		
		Air pollution - contaminants and pollutants, causes, consequences and prevention of air pollution, Green house effect and its consequences.	Survey for pollution check at different times and different location	
		<b>Water Pollution</b>		
		Definition, causes, consequences and prevention of water pollution, eutrophication and its harmful effects on aquatic life. Discussion of exercise.	Discussion on environment concerns	10
<b>Annual Exam</b>				