

Academic Heights Public School

Jungle Dhusar, Gorakhpur

Session 2017-18

Syllabus of Class - IX, Subject - Chemistry

Month	Topics	Activity
April	Chapter – Matter : Nature and Behaviour	To determine the melting and
+	Definition of matter Solid, liquid and Gas;	boiling point of ice(to be
May	Characteristics – shape, volume, density;	discussed in the class only &
	Change of States of matter, effect of change of temperature and pressure on states of matter, evaporation, factors affecting evaporation, plasma, BEC.	not to be demonstrated) 1. To separate the components of a mixture of sand, common salt and ammonium chloride by sublimation.
Periodic Test - I		
July	Chapter - Nature of Matter :	1. To prepare:
+	Elements, Compounds, Mixtures.	a) Mixture b) Compound
August	Homogeneous mixture	using iron filings and sulphur
	Heterogeneous mixture.	powder
	Solution, Concentration of solution, Colloids and Suspensions, Separation of components of a Mixture, Physical change, chemical change, Metal, Non-metals, Metalloid.	1. To prepare:
		a) True solution of common salt,
		sugar and alum.
		b) Suspension of soil, chalk
		powder and fine sand in water.
		c) A colloidal of starch in water
Sept	Revision	
Half Yearly		
Oct	Atom and Molecule	
+	Laws of chemical combination	verification of law of conservation of mass.
Nov	Dalton's atomic theory	
	Atoms	
	Atomic symbols	
	Atomic mass of an elements	
	Molecule	
	Writing chemical formulae	
	Valence electrons and valency	
	Ion	
	Chemical formulae for molecular compounds	
	Chemical formulae for ionic compounds	
	Molecular mass	
	Mole concept	
Periodic Test - 2		
Dec	Structure of the Atom	
+	Charged particles in matter	
Jan	Electrons or cathode rays	
	Protons or anode rays	
	Neutrons	
	Nucleus of an atom	
	Bohr's model of an atom	
	Valency, Atomic number, Mass number, Isotope, Isobar	
Annual Exam		

Principal/Director