

D.A.V. Public School
Sector – 3 Dhurwa Ranchi – 4

Chemistry Syllabus 2019-20

Class -IX

Prescribed Books: Science text book (N.C.E.R.T).

Month	No of working days	Unit/Chapters	Subject/Topic	Exam/Text portion
April	24	Chapter-1 Matter in our surroundings.	*Definition of matter. *Physical nature of matter. *Characteristics of particles of matter.	
May	15	Chapter-1 Matter in our surroundings.	*States of matter. *Effect of change of temperature and pressure. *Evaporation. *Factors affecting evaporation.	
June	12	Chapter-1 Matter in our surroundings.	*Solving exercise question's of chap-1 and Revision for P.T-1 exam.	P.T-1 Portion. Chapter-1.
July	25	Chapter-2 Is, Matter around us pure.	*What is mixture *Types of mixture. *What is a solution. *Properties of a solution. *Concentration of a solution. *What is a suspension. *Properties of suspension. *What is a colloidal solution. *Properties of a colloid. *Separating the components of a	Half Yearly Portion P.T-1+Chapter-2.

			<p>mixture.</p> <ul style="list-style-type: none"> *Physical and a chemical changes. *Pure substance. *Element and compounds. <p>(Revision for P.T-1 Exam)</p>	
August	24	Chapter-2 Is, Matter around us pure.	<ul style="list-style-type: none"> *Solving exercise question's based on Chap-2. <p>(Revision for Half Yearly Exam)</p>	
September	13	Chapter-3 Atoms and molecules	<ul style="list-style-type: none"> *Laws of chemical combination. *Law of conservation of mass. *Law of constant proportions. *Daltons atomic theory. *What is an atom. *Atomic mass. 	
October	18	Chapter-3 Atoms and molecules.	<ul style="list-style-type: none"> *How do atom exist. *What is a molecules. *Molecules of elements and compounds. *What is an iron. *Writing chemical formulae. *Formula of simple compounds. *Molecular mass and mole concept. *Formula unit mass. 	P.T-II Portion Chapter-1 and 2

			(Revision for P.T-II)	
November	22	Chapter-3 Atoms and molecules.	*Solving exercise question based on Chap-3	
December	18	Chapter-4 Structure of the atom.	*Changed particles in matter. *The structure of an atom. *Thomson's model of an atom. *Rutherford model of an atom.	P.T-III Portion Chap-1,2 and 3.
January	26	Chapter-4 Structure of atom.	*Bohr's model of atom. *NEUTRON'S *Distribution of electron's in different orbit (or) shells. *Valency. *Atomic No and mass no. *ISOTOPES. *ISOBARS. *Solving Exercise question based on Chap-4 *(Revision for P.T-II and Annual Exam.)	Annual Exam Portion Chap-1,2,3 and 4.