

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

Class:-IX

Chemistry- Syllabus(2020-2021)

Prescribed Books:

- **Science text-book (N.C.E.R.T)**

Months	No. of Working Days	Unit / Chapters	Sub Topics	Exam / Tests Portion
April	24	Chap-1:-Matter in our surroundings..	<ul style="list-style-type: none"> ❖ Definition of matter. ❖ Physical nature of matter. ❖ Characteristics of particles of matter. 	
May	15	Chap-1:- Matter in our surrounding.	<ul style="list-style-type: none"> ❖ States of matter. ❖ Effect of change of temperature. And pressure. ❖ What is meant by evaporation. Factors affecting evaporation 	
June	12	Chap-1:- Matter in our surrounding.	<ul style="list-style-type: none"> ❖ Solving exercise questions of Chap-1 based on the above topics. <p>Revision for PT- I Exam.</p>	<u>PT I Portion:-</u> Chap-1 (matter in our surrounding)
July	25	Chap- 2:-Is matter around us pure.	<ul style="list-style-type: none"> ❖ What is mixture. ❖ Types of mixture. ❖ What is a solution. 	<u>Half Yearly Exam Portion</u> PT I Portion + Chap-2.

			<ul style="list-style-type: none"> ❖ Properties of a solution. ❖ Concentration of a solution. ❖ What is mean by suspension, discuss its properties. ❖ What is colloidal solution. ❖ Properties of a colloid. ❖ Separating the components of a mixture. ❖ Physical and chemical changes. ❖ Pure substance. ❖ Elements and compounds. <p>Revision for PT I</p>	
August	24	Chap-7:- Is matter around us pure.	<ul style="list-style-type: none"> ❖ Solving exercise questions based on topics of chap-2 <p>Revision for Half Yearly Exam</p>	
September	13	Chap-3:- Atoms and molecules..	<ul style="list-style-type: none"> ❖ Laws of chemical combinations. ❖ Laws of conservation of mass. ❖ Laws of constant proportions. ❖ Daltons atomic theory. ❖ What is an atom. ❖ Atomic mass and measurement. 	

October	18	Chap-3:-Atoms and molecules.	<ul style="list-style-type: none"> ❖ How do atoms exists. ❖ What is a molecule. ❖ Molecules of elements and compounds. ❖ What is an iron. 	<p><u>PT II Portion:-</u></p> <p>Bio-Chap-1 , and Chap-2</p>
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			<ul style="list-style-type: none"> ❖ Writing chemical formulae. ❖ Formulae of simple compounds. ❖ Molecular mass and mole concept. ❖ What is formula unit mass. 	
			Revision for PT II	
November	22	Chap-3:- Atoms and molecule.	<ul style="list-style-type: none"> ❖ Solving Exercise problems and solutions of some numericals questions based on the said chapter. 	
December	18	Chap-4 Structure of the atom.	<ul style="list-style-type: none"> ❖ The structure of the atoms. ❖ Charged particles of matter. ❖ Thomson's model of an atom. ❖ Rutherford model of an atom. 	<u>PT III Portion</u> Chap- 1 , 2 , and 3.
January	26	Revision for PT III & Final / Annual Term <ul style="list-style-type: none"> ❖ <u>Chap-4 :-Structure of the atoms.</u> ❖ <u>Bohr's model of an atom.</u> ❖ <u>What is meant by Electron,Proton, and Neutron.</u> ❖ <u>Distribution of electrons in different orbits or shells.</u> ❖ <u>Valency, Valance shell,and mass no.</u> ❖ <u>Isotopes and Isobars.</u> <ul style="list-style-type: none"> ❖ Solving Exercise questions based on Chap-4. 		<u>Final / Annual Term Portion –</u> Chap—1 , 2 ,3 and 4.