

YEAR PLAN 2018 - 2019
Grade VII CHEMISTRY

The academic year is divided into **two** sessions

Session One: June 2018 to October 2018

Session Two: November 2018 to March 2019

Continuous assessments: July, August, September, December, January, February

Summative Assessment I: October 2018

Summative Assessment II: March 2019

Please check the **index page** in the notebook for Continuous Assessment marks.

Enduring Understanding: Living and non-living things are made up of atoms and molecules. There are physical and chemical changes happening all around us.

General Objectives:

- Develop an understanding of the basic units of life.
- Acquire knowledge of various chemical elements and compounds which are useful in daily life.
- Learn to conduct experiments, handle equipments, make observations and draw conclusions.

Session One: June – October 2018

Duration	TOPICS	Specific Learning Objectives	Activities	Resources
June	Matter Atoms, Molecule and Radicals	Recalls the three states of matter & their properties. Identifies first 20 elements, learns their valencies, atomicity.	Work out various examples related to the content, written work. Drawing orbit structures of different elements, calculations on valency and formulae's.	Text book, periodic table.
July August	Language of chemistry	Recalls symbols, formulas of different elements and compounds. Learns valances and balancing the equations	Various examples are worked out. Discussions, written work, charts, word equations and skeleton equations.	Textbook, periodic table.
September	Elements ,compounds and Mixtures	Recalls elements, compounds, mixtures. Identifies different methods of separation.	Discussions, demonstrations, chart work written work.	Textbook.

Session Two : November – March 2019

November and December	Physical and Chemical Changes: Chemical Equations	Recalls the difference between physical and chemical changes, identifies a chemical equation and balancing it.	Demonstration on various examples of physical and chemical changes. Work out different chemical equation. Adequate practice in writing of balanced chemical equations.	Textbook
January	Metals and non-metals	Recalls the physical properties of metals and non-metals, rusting of iron.	Power Point presentations on metals and non-metals, discussion and wriiten work.	Textbook
February	Air and Atmosphere	Review that air -is a mixture, its constituents Proportion, significance and pollution. Recalls the importance of nitrogen, inert gases, water vapour and its uses.	Demonstration of various experiments in lab. Drawing diagrams on laboratory preparation of oxygen. Writing chemical equations. List out air purifying plants in our surroundings.	Textbook
	Facilitators: Jiny, Ashwini			