

GRADE – 11

- ✔ **Chemistry** – Periodic trends, types of bonding-ionic, lewis structures, types of bonding : electronegativity, molecular compounds and intermolecular forces , synthesis and decomposition reaction, oxides , single displacement reaction, double displacement reaction, neutralization reaction, combustion reaction, measurement and significant figures, average atomic mass, the mole, mass and number of entities, percent composition, empirical formula, molecular formula, stoichiometry, limiting reactants, percentage yield, gases: introduction, Charles law, Boyles law, gay -lussac law, combined gas law, daltons law of partial pressures , Avogadro law, ideal gas law, gas stoichiometry , water and solutions, solutions and their reactions net ion equations, qualitative analysis, concentration and making dilutions, concentration of consumer products , stoichiometry of solutions, acids and bases
- ✔ **Physics** – kinematics, forces, energy , electromagnetism , sound
- ✔ **Biology** – Diversity of living things ,evolution, genetic processes, animal structure and function, plants – anatomy, growth and function

