

**FOR CLASS 8<sup>TH</sup> TO 9<sup>TH</sup> MOVING**

<b>Current Class</b>	<b>Physics</b>	<b>Chemistry</b>	<b>Mathematics</b>	<b>Biology</b>	<b>Mental Ability</b>
VIII	Force & Pressure, Friction, Sound, Some natural phenomena, Stars and Solar System, Light	Synthetic Fibers and Plastics, Materials: Metals and Non - Metals, Coal and Petroleum, Combustion & Flame, Chemical Effect of electric current	Rational Numbers, Linear Equations in one variable, Understanding Quadrilaterals, Data Handling, Squares and Square Roots, Cube And Cube Roots, Comparing quantities, Algebraic Expression and Identities, Visualising Solid shape, Mensuration, Exponent and Powers, Direct & inverse proportions, Factorisation, Introduction to Graph, Playing with Numbers.	Crop Production & Management, Microorganisms: Friend & Foe, Cell Structure and Function, Reproduction in animals, Reaching age of adolescence , Conversation of Plants and Animals	Verbal and Non-Verbal Reasoning

**FOR CLASS 9<sup>TH</sup> TO 10<sup>TH</sup> MOVING**

<b>Current Class</b>	<b>Physics</b>	<b>Chemistry</b>	<b>Mathematics</b>	<b>Biology</b>	<b>Mental Ability</b>
IX	Motion, Force & Newton's Laws of motion, Gravitation, Floatation, Work, Energy & Power, Sound	Matter in our Surroundings, Is Matter Around Us Pure, Atoms And Molecules, Structure of atom	Number system, Polynomials, Lines & Angles, Triangles, Coordinate Geometry, Linear equation in two variable, quadrilateral, Circle, Statistics, Probability, Mensuration - Areas,	Fundamental Unit of Life, Tissues, Improvement in Food Resources, Why do we fall ill, Diversity of living organism, Natural resources	Verbal and Non-Verbal Reasoning

**FOR CLASS 10<sup>TH</sup> TO 11<sup>TH</sup> MOVING**

<b>Current Class</b>	<b>Physics</b>	<b>Chemistry</b>	<b>Mathematics</b>	<b>Biology</b>	<b>Mental Ability</b>
X	Electricity, Magnetic Effects of electric Current, Sources Of Energy, Light, Human Eye and colorful world.	Chemical Reactions and equation, Acids Bases & Salts, Metals and Non-Metals, Carbon & its compound, Periodic table.	Number Systems, Polynomials, Linear Equations in Two Variables, Triangles, Introduction to Trigonometry, Trigonometric Identities, Statistics, Quadratic Equation, Arithmetic Progression, Surface, Area & Volume, Coordinate Geometry, Probability, Circle & Area related to Circle	Life Processes, Control & Coordination, How do Organism Reproduce, Heredity & Evolution, Our Environment, Management of Natural Resources	Verbal and Non-Verbal Reasoning

**FOR CLASS 11<sup>TH</sup> TO 12<sup>TH</sup> MOVING**

<b>Current Class</b>	<b>Physics</b>	<b>Chemistry</b>	<b>Mathematics</b>
XI Engineering	Physical World, Units and Measurement, Motion in a Straight Line, Motion in a Plane, Laws of Motion, Work Energy and Power, System of Particles & Rotational Motion, Fluid Mechanics & Elasticity, Simple Harmonic motion, Thermal Physics (Calorimetry, thermal expansion, heat transfer, Kinetic theory of gases and thermodynamics)	General Chemistry, Some Basic Concepts of Chemistry (Mole concept), States of Matter (Gaseous state), Structure of Atom, Equilibrium, Classification of Elements and Periodicity in Properties, Chemical Bonding and Molecular Structure, Bond parameter, MOT, Hydrogen compound, s-block, Nomenclature of organic compound, General Organic Chemistry (GOC), Isomerism (Structural), Redox and equivalent concept	Basic Mathematics, Logarithm, Compound Angles, Quadratic Equations and logarithmic Inequalities, Sequence and Series, Trigonometric Equation & inequations, Solution of triangle, Straight line & Pairs of Straight line, Circle, permutation & combination, Binomial theorem

**FOR CLASS 12<sup>TH</sup> /12<sup>TH</sup> PASS**

Current Class	Physics	Chemistry	Mathematics
XII/XII Pass Engineering	Physical World, Units and Measurement, Motion in a Straight Line, Motion in a Plane, Laws of Motion, Work Energy and Power, System of Particles & Rotational Motion, Fluid Mechanics & Elasticity, Thermal Physics (Calorimetry, Thermal Expansion, Heat Transfer, Kinetic theory of gaseous, Thermodynamics), Simple Harmonic Motion, Mechanical Wave, Electric Charges and Fields Electrostatic Potential and Capacitance, Current Electricity, Moving charges & Magnetism, Magnetism And matter, Electromagnetic Induction and Alternate Current, Ray Optics and Optical Instruments, Electromagnetic Waves, Wave Optics, semiconductor & communication.	<p>General Chemistry, Some Basic Concepts of Chemistry (Mole concept), States of Matter (Gaseous state), Structure of Atom, Equilibrium, Redox reaction, Classification of Elements and Periodicity in Properties, Chemical Bonding and Molecular Structure, Hydrogen compound, s-block compound, Nomenclature of organic compound, General Organic Chemistry (GOC), Isomerism (Structural)</p> <p>Surface chemistry, Chemical Kinetics, Thermodynamics, Thermochemistry, Liquid Solutions, Ionic Equilibrium, Electrochemistry, Solid State, Radioactivity</p> <p>s-block elements &amp; compounds, Coordination compounds, P-Block elements, d &amp; f-Block elements, Salt analysis, General Principles and Processes of Isolation of Elements (Metallurgy),</p> <p>Stereoisomerism, Grignard reagent, Halogen Derivatives, Alcohols, Phenols and Ethers, Oxidation Reduction, Hydrocarbon (Alkane, Alkene &amp; Alkyne), Carbonyl compound (Aldehydes, Ketones), Carboxylic Acids and its derivatives, Amines, Aromatic Compound, Biomolecules, Polymers, Practical Organic chemistry, Chemistry in Everyday Life.</p>	<p>Basic Mathematics, Logarithm, Compound Angles, Quadratic Equations and logarithmic Inequalities, Sequence and Series, Trigonometric Equation &amp; inequations, Solution of triangle, Straight line &amp; Pairs of Straight line, Circle, Permutation &amp; Combination, Binomial</p> <p>Sets, Relation &amp; Function, Inverse Trigonometric Functions, Limits, Continuity &amp; Differentiability of function, Method of differentiation, Indefinite integration, Definite Integration, Application of Derivatives (Tangent &amp; Normal, Monotonicity, Maxima &amp; Minima), Determinants &amp; Matrices, Differential Equation, Area Under the curve Vector &amp; 3D, Probability, Conic Section (Parabola, Ellipse &amp; Hyperbola), complex number</p>