

S Y L L A B U S

Class - 1

Mathematics : Numbers upto 100, Ordinal numbers, Addition, Subtraction, Lengths, weight, capacity, Time, Money, Geometrical Shapes.

General Science : Living & Non-living things, Plant life, Animal life, Human body, Air water & weather.

Class - 2

Mathematics : Numbers, Addition, Subtraction, Multiplication, Division, Length, Weight, Capacity, Time, Money, Shapes.

General Science : Living & Non-living things, Plant life, Animal life, Human body, Air water & weather, Rock and Minerals, Our universe.

Class - 3

Mathematics : Numbers, Addition, Subtraction, Multiplication, Division, Fractions, Length, Weight, Capacity, Time, Money, Shapes.

General Science : Living & Non-living things, Plant life, Animals their food & Home, birds: beaks claws & nests of the birds, Soil, Air water and weather, Our universe, Human body, Safety & first aid.

Critical Thinking : This section includes a combination of skills like conscious application in real life, Logical & Inductive Reasoning, Tactics & Strategies in decision making, higher order thinking.

Class - 4

Mathematics : Large Numbers, Roman numerals, Addition and Subtraction, Multiplication and division, Factors and Multiples, Fractions, Length, Weight, Capacity, Time, Geometry, Perimeter and area.

General Science : Plant life - I, Plant life - II, Animal life - I, Animal life - II, Food & Digestion, Health & Hygiene, Teeth & Microbes, Safety & First aid, Our clothes, Air water and weather, Our universe.

Critical Thinking : This section includes a combination of skills like conscious application in real life, Logical & Inductive Reasoning, Tactics & Strategies in decision making, higher order thinking.

Class - 5

Mathematics : Large Numbers, Factors and multiples, Fractions and Decimals, Measurement of Length, Weight, Capacity, Volume, Time, Temperature, Conversions, Percentages, Ratios, Speed distance and time, Simple interest, Profit and loss, Geometry, Perimeter and area.

General Science : Plant life, Animal life - II, Human body - I, Human body - II, Soil Rocks & Minerals, Air water and weather, The moon, Matter, Force work & energy.

Critical Thinking : This section includes a combination of skills like conscious application in real life, Logical & Inductive Reasoning, Tactics & Strategies in decision making, higher order thinking.

Class - 6

Mathematics : Knowing our Numbers, Whole Numbers, Playing with Numbers, Basic Geometrical Ideas, Understanding Elementary Shapes, Integers, Fractions, Decimals, Data Handling, Mensuration, Algebra, Ratio and Proportion.

Physics : Motion and Measurement of distances, Light shadows and reflections, Electricity and circuits.

Chemistry : Sorting materials into groups, Separation of substances.

Biology : components of food, Plants, Body movements, Living organisms and their surroundings.

Critical Thinking : This section includes a combination of skills like conscious application in real life, Logical & Inductive Reasoning, Tactics & Strategies in decision making, higher order thinking.

Class - 7

Mathematics : Integers, Fractions and Decimals, Data Handling, Simple Equations, Lines and Angles, Triangle and its Properties, Comparing Quantities, Rational Numbers, Perimeter and Area, Algebraic Expressions, Exponents and Powers, Symmetry.

Physics : Motion and time, Heat, Electric Current and its Effects.

Chemistry : Physical and chemical changes, Acids bases and salts, Water - A precious resource.

Biology : Nutrition in plants, nutrition in animals, Organization in living beings, Respiration in organisms, Transportation in living beings, Reproduction and growth in plants.

Critical Thinking : This section includes a combination of skills like conscious application in real life, Logical & Inductive Reasoning, Tactics & Strategies in decision making, higher order thinking.

Class - 8

Mathematics : Rational Numbers, Linear Equations in One Variable, Understanding Quadrilaterals, Data Handling, Squares and Square Roots, Cubes and Cube Roots, Comparing Quantities, Algebraic Expressions and Identities, Mensuration, Exponents and Powers, Direct and Inverse Proportions, Factorization.

Physics : Force and Pressure, Friction, Sound, Chemical effects of electric current, Some natural phenomena, Light.

Chemistry : Coal and petroleum, Combustion and flame.

Biology : Food production and management, Microorganisms, Conservation of plants and animals, Reproduction in animals.

Critical Thinking : This section includes a combination of skills like conscious application in real life, Logical & Inductive Reasoning, Tactics & Strategies in decision making, higher order thinking.

Class - 9

Mathematics : Number Systems, Polynomials, Co-ordinate Geometry, Linear Equations in Two Variables, Introduction to Euclid's Geometry, Lines and Angles, Triangles, Quadrilaterals, Circles, Heron's Formula, Surface Areas and Volumes.

Physics : Motion, Force and laws of motion, Gravitation & Pressure, Work energy & power.

Chemistry : Matter in our surroundings, Is matter around us pure, atoms and molecules.

Biology : Cell, Tissues, Improvement in food resources.

Critical Thinking : This section includes a combination of skills like conscious application in real life, Logical & Inductive Reasoning, Tactics & Strategies in decision making, higher order thinking.

Class - 10

Mathematics : Real Numbers, Polynomials, Pair of Linear Equations in Two Variables, Quadratic Equations, Arithmetic Progressions, Triangles, Co-ordinate Geometry, Introduction to Trigonometry, Some Applications of Trigonometry, Circles, Areas Related to Circles, Surface Areas and Volumes.

Physics : Light, reflection & refraction, The human eye and the colourful world, Electricity, Magnetism effects of electric current.

Chemistry : Chemical reactions & equations, Acids bases and salts, Metals & non-metals, Carbon and its compounds.

Biology : Life processes, Control & Co-ordination, Reproduction, Our Environment.

Critical Thinking : This section includes a combination of skills like conscious application in real life, Logical & Inductive Reasoning, Tactics & Strategies in decision making, higher order thinking.