

SYLLABUS



Class 6

- PHYSICS** : EARTH & UNIVERSE, FORCE & ENERGY, LIGHT, SHADOW, REFLECTION, MOTION & MEASUREMENT, MOTION & MEASUREMENT OF DISTANCES
- CHEMISTRY** : FIBRE TO FABRIC, NATURAL RESOURCES, SEPARATION OF SUBSTANCES, SOLID, LIQUID & GASES, SORTING MATERIALS INTO GROUPS
- BIOLOGY** : COMPONENTS OF FOODS- FROM TASTING TO DIGESTING, FOOD: WHERE DOES IT COME FROM, GETTING TO KNOW PLANTS
- MATHEMATICS** : AREA & ITS BOUNDARY, BASIC GEOMETRICAL IDEAS, DECIMALS, FRACTIONS, INTEGERS, MEASUREMENT, MULTIPLICATION & DIVISION, NUMBER SYSTEM, PICTORIAL REPRESENTATION OF DATA
- MENTAL ABILITY** : ALPHABET TEST, CODING- DECODING, DIRECTION SENSE, MIRROR IMAGE, SERIES, SEATING ARRANGEMENT, VENN- DIAGRAM, WATER IMAGE, CLASSIFICATIONS

Class 7

- PHYSICS** : ELECTRICITY & CIRCUITS, HEAT, HEAT & TEMPERATURE, LIGHT, SHADOW & REFLECTION, MOTION & MEASUREMENT OF DISTANCES, WIND, STORM & CYCLONES
- CHEMISTRY** : ACID, BASES & SALTS, ANIMAL FIBRE, CHANGES AROUND US, PHYSICAL & CHEMICAL CHANGES, WATER & AIR
- BIOLOGY** : NUTRITION IN PLANTS & ANIMALS- THE LIVING ORGANISM & THEIR SURROUNDINGS, RESPIRATION IN ORGANISM, TRANSPORTATION & THEIR SURROUNDINGS, BODY MOVEMENTS, GARBAGE IN GARBAGE OUT, REPRODUCTION
- MATHEMATICS** : ALGEBRAIC EXPRESSION, DATA HANDLING, EXPONENTS & POWERS, FRACTION & DECIMALS, INTEGERS, LINES & ANGLES, MENSURATION, NUMBER SYSTEM, RATIO & PROPORTION, RATIONAL NUMBERS, SIMPLE EQUATION, TRIANGLES & CONGRUENCY OF TRIANGLES.
- MENTAL ABILITY** : ALPHABET TEST, CODING- DECODING, DIRECTION SENSE, MIRROR IMAGE, SERIES, SEATING ARRANGEMENT, VENN- DIAGRAM, WATER IMAGE, CLASSIFICATION, EMBEDDED FIGURE, NUMBER RANKING

Class 8

- PHYSICS** : ELECTRIC CURRENTS & ITS EFFECTS, FORCE & PRESSURE, HEAT & TEMPERATURE, LIGHT, MOTION & TIME, SOUND
- CHEMISTRY** : ACID, BASES & SALTS, METAL & NON METAL, PHYSICAL & CHEMICAL CHANGES, SYNTHETIC FIBRE & PLASTIC, WATER
- BIOLOGY** : CELL STRUCTURE & FUNCTION, CROP PRODUCTION & MANAGEMENT, MICRO ORGANISM: FRIENDS & FOE, REPRODUCTION IN PLANTS, FOREST OUR LIFE LINE, WEATHER, CLIMATE & ADAPTATION OF ANIMALS
- MATHEMATICS** : CONGRUENCE OF TRIANGLE, CUBES & CUBE ROOTS, EXPONENTS & POWER, FACTORS & DECIMAL, INTEGERS, LINEAR EQUATION IN ONE VARIABLE, PERIMETER & AREA, GEOMETRY,

RATIONAL NUMBERS, SQUARES & SQUARE ROOTS, UNDERSTANDING QUADRILATERALS, VISUALIZING SOLID SHAPES

MENTALABILITY : BLOOD RELATION, CODING – DECODING, COUNTING OF FIGURE, CUBES & DICE, DIRECTION SENSE, EMBEDDED FIGURE, INSERT THE MISSING CHARACTER, MATHEMATICAL OPERATION, MIRROR IMAGE, NON VERBAL SERIES, NUMBER RANKING, SERIES, VENN- DIAGRAM, WATER IMAGE, NUMBER SERIES

Class 9

PHYSICS : FORCE & NLM, MOTION, LIGHT, SOUND, GRAVITATION, WORK POWER & ENERGY

CHEMISTRY : MATTER IN OUR SURROUNDINGS, IS MATTER AROUND US PURE, COMBUSTION & FLAME, FOSSIL FUELS (COAL, PETROLEUM, NATURAL GAS), METAL & NON METAL, ATOMS & MOLECULES

BIOLOGY : FUNDAMENTAL UNIT OF LIFE: CELL, TISSUE, CONSERVATION OF PLANTS & ANIMALS, MICRO ORGANISM: FRIENDS & FOE, REPRODUCTION & REACHING THE AGE OF ADOLESCENCE

MATHEMATICS : NUMBER SYSTEM, LINES & ANGLES, TRIANGLES, HERON'S FORMULA, COORDINATE GEOMETRY & LINEAR EQUATION IN 2 VARIABLES, STATISTICS, ALGEBRIC EXPRESSION & IDENTITIES, COMPARING QUANTITY, CUBE & CUBE ROOT, DIRECT & INVERSE PROPORTION, EXPONENTS & POWER, LINEAR EQUATION IN ONE VARIABLE, MENSURATION, SQUARE & SQUARE ROOTS, UNDERSTANDING QUADRILATERALS

MENTALABILITY : BLOOD RELATION, CODING – DECODING, COUNTING OF FIGURES, CUBES & DICE, DIRECTION SENSE, EMBEDDED FIGURE, INSERT THE MISSING CHARACTER, LETTER SERIES, MATHEMATICAL OPERATION, MIRROR IMAGE, NON VERBAL SERIES, NUMBER RANKING, NUMBER SERIES, VENN-DIAGRAM, WATER IMAGE

Class 10

PHYSICS : REFLECTION OF LIGHT, REFRACTION OF LIGHT, HUMAN EYE & COLOURFUL WORLD, GRAVITATION, MOTION, ELECTRICITY, MAGNETIC EFFECTS OF CURRENT

CHEMISTRY : ACID, BASES & SALTS, CHEMICAL REACTION, METAL & NON METAL, ATOM & MOLECULES, ATOMIC STRUCTURE

BIOLOGY : EXCRETION, NUTRITION, RESPIRATION, TRANSPORTATION, TISSUE, NATURAL RESOURCES, WHY DO WE FALL ILL

MATHEMATICS : REAL NUMBERS, POLYNOMIAL, PAIR OF LINEAR EQUATIONS IN TWO VARIABLE, TRIGONOMETRY, SIMILAR TRIANGLES, PROBABILITY, CIRCLES, CO-ORDINATE GEOMETRY, AREA OF PARALLELOGRAMS & TRIANGLE, HERON'S FORMULA, LINES, ANGLE, TRIANGLE- CONGRUENCY & SIMILARITY OF TRIANGLES QUADRILATERALS, POLYNOMIAL, STATISTICS, SURFACE, AREA & VOLUME

MENTALABILITY : BLOOD RELATION, CALENDAR, CLOCK, CODING & DECODING, COUNTING FIGURE, CUBES & DICE, DIRECTION SENSE, EMBEDDED FIGURE, MATHEMATICAL OPERATION, MISSING CHARACTER, NON VERBAL SERIES, NON VERBAL ANALOGY, NUMBER RANKING, PUZZLE TEST, SEATING ARRANGEMENT, SYLLOGISM, SERIES

Class 11

PHYSICS : PHYSICAL WORLD & MEASUREMENT, KINEMATICS, LAWS OF MOTION, WORK, ENERGY, POWER, MOTION OF SYSTEM OF PARTICLES & RIGID BODY

CHEMISTRY : SOME BASICS CONCEPTS OF CHEMISTRY, STRUCTURE OF ATOM, CLASSIFICATION OF ELEMENTS & PERIODICITY IN PROPERTIES, CHEMICAL BONDING & MOLECULAR STRUCTURE, REDOX REACTION, HYDROGEN

BIOLOGY : THE LIVING WORLD, BIOLOGICAL CLASSIFICATION, PLANT KINGDOM, ANIMAL KINGDOM, MORPHOLOGY OF FLOWERING PLANTS, STRUCTURAL ORGANIZATION IN ANIMALS, CELL-THE UNIT OF LIFE, BIOMOLECULES

MATHS : SETS, ALGEBRA, COORDINATE GEOMETRY, STATISTICS



Class 12

- PHYSICS** : ELECTROSTATICS, CURRENT ELECTRICITY, MAGNETIC EFFECT OF CURRENT & MAGNETISM, ELECTROMAGNETIC INDUCTION, ALTERNATING CURRENT
- CHEMISTRY** : SOLUTIONS, P-BLOCK ELEMENTS, HALOALKANES AND HALOARENES, ALCOHOLS, PHENOLS AND ETHERS, BIOMOLECULES.
- BIOLOGY** : SEXUAL REPRODUCTION IN FLOWERING PLANTS, HUMAN REPRODUCTION, REPRODUCTIVE HEALTH, GENETICS & EVOLUTION
- MATHS** : RELATIONS & FUNCTIONS, ALGEBRA, CALCULUS, MATRIX & DETERMINANT