

NSTSE SYLLABUS

For Class-II

Mathematics:

Numbers Addition and Subtraction

Multiplication

Division

Fractions

Length, Mass and Capacity

Shapes (2d & 3d)

Time

Money

Pictographs

General Science:

Living and Non-living Things

Plant Life

Animal Life

Human Body

Air and Water

Rocks and Minerals

Our Universe

Safety and First Aid

Housing and Clothing

For Class-III

Mathematics:

Numbers

Addition and Subtraction

Multiplication

Division

Fractions

Money

Time

Measurement

Shapes (2d/3d)

Data Handling

General Science:

Living and Non-living Things

Plant Life

Animals: Their Food and Home

Birds: Beaks, Claws and Nests of the Birds

Soil

Air, Water and Weather

Our Universe

Human body

Safety and First Aid

Housing and their Surroundings

Measurements

For Class-IV

Mathematics:

Numbers
Roman Numerals
Addition and Subtraction
Multiplication and Division
Multiples and Factors
Fractions
Measurement
Geometry
Time
Perimeter and Area
Data Handling

General Science:

Plant Life-I (Adaptation in Plants)
Plant Life-II (Adaptation in Plants)
Animal Life-I (Adaptation in Animals)
Animal Life-II (Reproduction in Animals)
Food and Digestion, Health & Hygiene
Teeth and Microbes
Safety and First Aid
Our Clothes
Air, Water and Weather
Our Universe
Matter
Force, Work and Energy

For Class-V

Mathematics:

Large Numbers
Factors and Multiples
Fractions
Decimals
Arithmetic
Geometry
Mensuration
Measurement
Data Handling

General Science:

Plant life
Animal life
Human Body (Nervous system, Bones and Muscles)
The Human Body (Food and Health)
Soil, Rocks and Minerals
Air, Water and Weather
The Moon
Matter
Force, Work and Energy
Safety and First Aid

For Class-VI

Mathematics:

Knowing our Numbers
Whole Numbers
Playing with Numbers
Basic Geometrical Ideas
Understanding elementary Shapes
Integers
Fractions
Decimals
Data Handling
Mensuration
Algebra
Ratio & proportion
Symmetry
Practical Geometry

Physics:

Motion and Measurement of Distances
Light, Shadows and Reflections
Electricity and Circuits
Fun with Magnets

Chemistry:

Sorting Materials into Groups
Separation of Substances
Changes Around us
Water
Air Around us

Biology:

Food and its source
Components of Food
Fibre to Fabric
Plants
Body Movements
The Living Organisms and their Surroundings
Garbage and their Disposal

For Class-VII

Mathematics:

Integers
Fractions and Decimals
Data Handling
Simple Equations
Lines and Angles
The Triangle and its Properties
Congruence of Triangles
Comparing Quantities
Rational Numbers
Practical Geometry
Perimeter and Area
Algebraic Expressions
Exponents and Powers
Symmetry
Visualising Solid Shapes

Physics:

Motion and Time

Heat

Light

Electric Current and its Effects

Chemistry:

Physical and Chemical Changes

Acids, Bases and Salts

Winds, Storms and Cyclones

Water and Its Conservation

Biology:

Nutrition in Plants

Nutrition in Animals

Fibre to Fabric

Organization in Living Beings, Changes and Adaptation

Soil Respiration in Organisms

Transportation in Living Beings

Reproduction in Plants

Resource on Earth-Forests

For Class-VIII

Mathematics:

Rational Numbers

Linear Equations in One Variable

Understanding Quadrilaterals and Practical Geometry

Data Handling

Squares and Square Roots

Cubes and Cube Roots

Comparing Quantities

Algebraic Expressions and Identities

Visualising Solid Shapes

Mensuration

Exponents and Powers

Direct and Inverse Proportion

Factorisation

Introduction to Graphs

Playing with Numbers

Physics:

Force and Pressure

Friction

Sound

Chemical Effects of Electric Current

Some Natural Phenomena

Light

Stars and the Solar System

Chemistry:

Synthetic
Fibres and Plastics
Metals and Non-metals
Coal and Petroleum
Combustion and Flame
Pollution of Air and Water

Biology:

Food Production and Management
Cell: Structure and Functions
Microorganisms: Friend and Foe
Conservation of Plants and Animals
Reproduction in Animals
Reaching the Age of Adolescence

For Class-IX

Mathematics:

Number systems
Polynomials
Coordinate geometry
Linear equations in two variables
Introduction to euclid's geometry
Lines and angles
Triangles
Quadrilaterals
Areas of parallelograms and triangles
Circles
Constructions
Heron's formula
Surface areas and volumes

Statistics
Probability

Physics:

Motion
Force and Laws of Motion
Gravitation and Pressure
Work, Energy and Power
Sound

Chemistry:

Matter In Our Surroundings
Is Matter Around us Pure
Atoms and Molecules
Structure of the Atom

Biology:

Cell-The Fundamental Unit of Life
Tissues
Diversity in Living Organisms
Health and Diseases
Improvement In Food Resources
Natural Resources

For Class:X

Mathematics:

Real Numbers
Polynomials
Pair of linear equations in two variables
Quadratic equations
Arithmetic progressions
Triangles
Coordinate geometry
Introduction to Trigonometry
Some Applications of trigonometry
Circles
Constructions
Areas related to circles
Surface areas and volumes
Statistics
Probability

Physics:

Light
The Human Eye and the Colourful World
Electricity
Magnetic Effects of Electric Current
Sources of Energy

Chemistry:

Chemical Reactions and Equations
Acids, Bases and Salts
Metals and Non-metals
Carbon and its Compounds
Periodic Classification of Elements

Biology:

Life Processes

Control and Coordination

Reproduction

Heredity and Evolution

Our Environment

Management of Natural Resources

For Class-XI & XII

The syllabus of NSTSE for class XI & XI for both PCB and PCM is totally based on CBSE Board.