



**NTSE Syllabus 2022:
Mental Ability Test (MAT)**

Verbal and Non Verbal Analogy
Classification
Coding-Decoding
Alphabet and Number Test
Blood Relations
Distance and Direction
Paper Cutting and Folding
Venn Diagrams
Mathematical Operations
Calendar, Time, and Clock
Missing Characters
Embedded Figures
Ranking and Arrangements
Word Problems
Cube and Dice
Water and Mirror Images

**NTSE Syllabus:
Scholastic Aptitude Test (SAT)**

Physics
Magnetism and Electricity
Motion and Force
Measurements
Work and Energy
The Universe
Light and Sound
Source of Energy

Chemistry
Acid, Bases, Salt
Metals and Non-metals
Periodic Classification of Elements
Structure of Atom
Carbon and its Compounds
Physical and Chemical Changes
Fibers and Plastics
Biology
Air
Soil
Water
Micro-organisms
Life Processes
Reproduction
Heredity and Evolution
Food Production and Management
Plant and Animal Nutrition
Diversity in Living Organisms
Cellular Level of Organisation
Human Body
Some Common Diseases
Our Environment

**NTSE Syllabus:
Mathematics**

Algebraic Expressions
Arithmetic

Arithmetic Progressions
Basic Geometry
Circles
Coordinate Geometry
Direct & Inverse Variations
Exponent
Linear Equation
Mensuration
Number System
Percentage & Its Application
Playing with Number
Probability
Quadratic Equations
Rational Numbers
Simple & Compound Interest
Square & Cube Roots
Statistics
Surface Areas and Volume
Triangles

**NTSE Syllabus:
Science**

Acids Bases and Salts
Air
Carbon and its Compound
Cellular Level of Organization
Diversity in Living organisms
Fibers and Plastics
Food Production & Management
Heredity and Evolution
Human Body
Life Processes
Light
Magnetic & Electricity at Work
Measurement

Metals & Non Metals
Micro-Organisms
Motion and Force
Our Environment
Periodic Classification of Elements
Reproduction
Soil
Some Common Diseases
Sound
Sound of Energy
Structure of Atom
The Universe
Water
Work and Energy

**NTSE Syllabus:
Social Science**

Agriculture
Atmosphere
Biosphere
British raj
Culture, Science and Literature
Democracy and Elections
Diversity and Livelihood
Early Medieval Period
Early States
Eighteen Century Political Formation
French Revolution
India and Its Neighbours
Indian Constitution
Indian Economics
Indian Freedom Struggle
Indus Valley Civilization
Industrial Revolution

Industries
Internal Structure of the Earth and
Rocks
Introduction and Sources of Ancient
Indian History
Jainism, Buddhism, and Conquerors
from Distant Lands
Local and State Government
Medieval Architecture and Culture
The motion of the Earth
Nationalism in Various Countries
Natural Vegetation
New Empires and Kingdoms
Our Country- India
Popular Movements and Social
Reforms
Population
Resources and Development
Solar System
The Delhi Sultanate
The Judiciary
The Maurayas
The Mughal Empire
UN and International Agencies
Union Government
Vedic Period
Water Resources
World History

**NTSE Syllabus: General
Knowledge**

Abbreviations

Books and Authors

Sports

Awards and Recognitions

India

World

NTSE Syllabus: Mental Ability

Alphabets and Number test

Analogy(Non-Verbal)

Analogy(Verbal)

Blood relations

Calendar, Time, and Clock

Classification

Coding-Decoding

Cube and Dice

Direction Sense

Embedded Figure

Figure Partition and Dot Situation

Mathematical Operations

Missing Character

Paper Folding and Cutting

Ranking and Arrangements

Series (Verbal)

Series(Non-Verbal)

Venn Diagrams

Water and Mirror Images

Word Problems