

LOTUS VALLEY INTERNATIONAL SCHOOL, NOIDA

CURRICULUM 2024-25

CLASS NURSERY

LANGUAGE DEVELOPMENT

- Identifying and tracing of letters A to Z
- Vocabulary related to letters A-Z
- Picture reading
- Reciting rhymes rhythmically

SOCIO-EMOTIONAL DEVELOPMENT

- Following simple instructions
- Expressing thoughts and feelings
- Understanding the concept of sharing
- Playing cooperatively
- Waiting for his/her turn
- Self-care and personal hygiene
- Working independently and confidently
- Asking questions and demonstrating curiosity

PRE-WRITNG SKILLS

- Scribbling
- Pattern writing
- Tracing on dotted lines/patterns

FINE MOTOR SKILLS

- Colouring
- Finger printing
- Pasting
- Sponge / Earbud dabbing
- Clay modelling
- Tying Shoelaces
- Threading beads
- Capping bottles
- Folding handkerchiefs
- Art & craft activities
- Making paper rolls & paper crushing
- Finger play and exercises

GROSS MOTOR SKILLS

- Walking on a straight line & tiptoes
- Animal walk
- Action Rhymes
- Jumping
- Hopping race
- Outdoor play

COGNITIVE DEVELOPMENT

- Pre-Math Concepts-hard/soft, same/different, healthy/unhealthy, in/out, up/down, heavy/light, fast/slow, wet/dry, hot/cold, big/small, happy/sad, clean/dirty, open/close
- Colours- Red, blue, yellow, orange, green, black, pink, white, purple
- Shapes- Circle, triangle, square, rectangle, star, diamond, oval, semi-circle

NUMERACY

- Oral counting 1-10
- Number recognition, number sense and tracing of numbers 1 to 10

ME AND MY WORLD

- Myself
- Seasons
- Food
- Plants
- Animals
- Transport
- Our Neighbourhood and Helpers
- Festivals

CLASS LKG

LANGUAGE DEVELOPMENT (ENGLISH): (L- Listening, S- Speaking, R- Reading, W- Writing)

- L S R W – Az to Zz
- Phonic sounds
- Sequence writing Aa – Zz
- Vocabulary building Aa to Zz
- Rhymes & Stories

COGNITIVE DEVELOPMENT

- Pre-Math Concepts: Tall/short, More/less, Hot/cold, Big/small, One/many, Up/down etc
- Colours: Red, Green, Blue, Yellow, Orange, Purple
- Shapes: Circle, Semi-circle, Triangle, Square, Rectangle, Star, Diamond

NUMERACY

- Oral Counting 1 to 50
- Number Recognition 1 to 20
- Number Sense 1 to 20
- Writing 1 to 20
- Sequence Writing 1 to 20

PRE-WRITNG SKILLS

- Colouring / Pattern writing / Free hand drawing

FINE MOTOR SKILLS

- Colouring
- Tearing and pasting
- Clay modelling
- Montessori activities
- Ear dabbing
- Vegetable printing
- Paper folding
- Finger play exercise
- Art & Craft activities
- Flower tray exercise
- Paper crushing and drawing

GROSS MOTOR SKILLS

- Dance
- Baby yoga
- Action songs and rhymes
- Throwing and catching a ball
- Jumping and Hopping
- Walking on a straight path
- Animal walk and movements

SOCIO-EMOTIONAL DEVELOPMENT

- Participating in interactive discussions
- Circle time activity
- Sharing time
- Waiting for his/her turn
- Following simple instructions
- Self-care and personal hygiene
- Working independently and confidently
- Asking questions and demonstrating curiosity
- Exploring and engaging with the environment

ME AND MY WORLD

- Myself -Understanding of my family, body parts and sense organs
- Plants -Parts of the plant
- Food -Healthy and unhealthy food
- Seasons -Summer, monsoon, winter, spring
- Animals -Wild and farm animals
- Transport -Air, water, and land transport
- Neighbourhood
- Community helpers
- Festival celebrations

CLASS UKG

LANGUAGE DEVELOPMENT (ENGLISH): (L - Listening, S – Speaking, R – Reading, W – Writing)

- Letters and phonic sounds (a-z)
- Sight words
- CVC words (combinations with vowels)
- Middle and last sound of CVC words.
- Rhyming Words
- Simple sentence formation with sight words and CVC Words
- Simple Comprehension passages
- Long Vowels - 'ai', 'ie', 'oa', 'ee', 'or'
- Sentences with Long Vowels
- Digraph - 'ch', 'sh'
- Sentences with Digraph 'ch' and 'sh'
- Blends - 'bl' 'cl'
- Rhymes & Stories

LANGUAGE DEVELOPMENT (HINDI): (L - Listening, S – Speaking, R – Reading, W – Writing)

- Vyanjans – फ- श्र; Swar – अ – अः
- Rhymes & Stories
- Two & Three letter words
- Recognize Vyanjan/Swar in sequence
- Recognize association between spoken and written words
- Associates Vyanjans/Swars with sounds
- Comprehension of spoken language

COGNITIVE DEVELOPMENT

- 2D and 3D shapes (Cube, Cuboid, Cone, Sphere, Cylinder)
- Pre-Math Concepts – big/small, inside/outside, empty/full, tall/short, thick/thin, top/bottom, fast/slow, near/far, high/low, heavy/light etc.

NUMERACY

- Oral and written numbers 0-100
- Backward counting 20-0
- Number Names- one to ten
- Addition vertical / horizontal (single digit)
- Subtraction vertical and horizontal (single digit)
- Greater than, less than, Equal to, Before, After, In Between Numbers (1-30)

FINE MOTOR SKILLS

- Art & craft; Colouring; Paper tearing; Palm printing; Working with play dough and blocks; Finger play and exercises; Pasting and decorating; Origami

GROSS MOTOR SKILLS

- Group & individual play to develop strength, balance & coordination
- Rolling and catching a ball
- Crisscross walk on bricks
- Dancing to the beat of music
- Skipping a low height rope
- Performing actions on rhymes
- Tiptoeing on a line & Dodging the ball
- Relay race; Hurdle race; Frog race
- Hop-Scotch; Baby yoga; Dance

SOCIO-EMOTIONAL DEVELOPMENT

- Participating in interactive discussions
- Circle time activity
- Sharing time
- Asking questions / demonstrating curiosity
- Expressing thoughts and emotions
- Exploring and engaging with the environment
- Sharing with peers (planned group activities)
- Knowing and appreciating those who help us to make our lives comfortable

ME AND MY WORLD

- Myself
- Summer Season
- Plants/Monsoon Season
- Animals, Birds & Insects
- Helpers
- Transport/Winter Season
- In the sky/Spring Season
- Festivals

CLASS I

ENGLISH LITERATURE – as per prescribed text books

ENGLISH GRAMMAR

- Phonic Focus- th, ch, qu, ar, ff, ll, ck, ng
- Letters, Words and Sentences
- Use of This, That, These Those
- Use of is and are; A and An; Has and Have
- Naming Words / Describing Words
- Words in place of Naming Words
- Action Words & Position Words
- One and Many
- Use of Simple Present Tense Long
- Vowel Sounds (a-e/i-e, o-e/u-e)
- Listening Skills, Speaking Skills, Writing Skills
- Comprehension & Unseen Passages

HINDI LITERATURE – as per prescribed text books

HINDI GRAMMAR

- स्वर तथा व्यंजन, संयुक्त व्यंजन
- दो तीन चार वर्ण वाले शब्द
- बारहखड़ी
- एक अनेक
- विलोम शब्द
- अपठित गद्यांश
- समझबूझ कर पढ़ना
- सुनने / बोलने का कौशल
- वाक्य रचना
- लेखन कला

MATHS

- Numbers from 0-100
- Addition & Subtraction
- Shapes & Patterns
- Time and Money
- Intro to Multiplication & Division
- Measurement
- Handling Data
- Ordinal Numbers

E.V.S

- Our Body and its Care
- Food
- Plants & Animals
- My Family
- Neighbourhood
- Living & Non-Living Things
- Seasons and Clothes
- People Who Help Us

GENERAL KNOWLEDGE

- Greetings and our Heritage
- Importance of Family and Family Vocabulary
- Amazing Facts about our Body Parts
- Foods of different states of India
- Amazing Facts about Plants
- Animals - Sounds and Habitats
- Seasons and Clothes in India
- Transport and Communication - Inventions
- Exploring the Planets
- Knowing your Globe

LIFE SKILLS

- Being respectful towards others
- Importance of personal hygiene
- Valuing food and dining etiquettes
- Being sensitive towards others
- Importance of plants and caring for them
- Learning to make friends
- Valuing money
- Being grateful

ICT

- Introduction to Computers & Mouse
- Manners in the Computer Lab, Coding
- Computer: A Smart Machine
- Parts of a computer
- The Keyboard and its functions
- Fun with WordPad & TUX Paint
- Editing and Formatting
- Introduction to MS Paint

CLASS II

ENGLISH LITERATURE – as per prescribed text books

ENGLISH GRAMMAR

- Phonic - y, ay, oy, wh, ow, igh, ea, ou, ew
- Common, Proper, Singular, Plural Nouns
- Gender Nouns & Possessive Nouns
- Pronouns, Adjectives, Verbs
- Tenses- Simple Past, Present and Future
- Prepositions, Articles, Conjunction
- Reading Comprehension
- Listening Skills, Speaking Skills, Writing Skills

HINDI LITERATURE: as per prescribed books

HINDI GRAMMAR

- वर्ण और मात्रा
- संयुक्त व्यंजन, द्वित्व व्यंजन, संयुक्ताक्षर
- संज्ञा, क्रिया, सर्वनाम, विशेषण, काल
- वचन, लिंग, विलोम शब्द, समानार्थी शब्द
- र के विभिन्न रूप
- एकवचन व बहुवचन; स्त्रीलिंग व पुल्लिंग
- अनेक शब्दों के लिए एक शब्द
- दिन, महीने, संख्याओं के नाम
- अपठित गद्यांश
- समझबूझ कर पढ़ना
- सुनने / बोलने का कौशल
- लेखन कला

MATHS

- Numbers and Numeration
- Fractions
- Time and Calendar
- Money
- Addition, Subtraction, Multiplication, Division
- Measurement & Data Handling

E.V.S

- Our Body
- Our Food
- Plants & Animals
- Homes and Houses
- Clothing & Materials
- Cleanliness and Safety
- Travel and Communication
- In the Sky

GENERAL KNOWLEDGE

- Amazing Facts about our body
- Let's know more about basic Indian spices
- Amazing Facts about plants
- Knowing more about people who help us
- Knowing about natural / man-made fibers
- Knowing about 5R's
- Knowing more about our Solar System
- Knowing more about Swachch Bharat Mission
- Amazing Facts about animals
- Knowing more about Road Safety Rules

LIFE SKILLS

- Loving myself
- Being respectful towards others
- Rising above our differences
- Thinking out of the box
- Being sensitive towards others
- Team work
- Making good choices
- Identifying my strengths
- Being a good listener
- Being grateful

ICT

- Computer A Machine – Uses & working
- Operating a Computer & Intro to Mouse
- Fun with Paint
- Clipboard group of the ribbon
- The Keyboard and its functions
- Introduction to LOGO Programming
- Introduction to Wordpad & MS Paint
- Importing images from MS Paint in wordpad
- Text Formatting and Text Alignment
- Shortcut Keys

CLASS III

ENGLISH LITERATURE – as per prescribed text books.

ENGLISH GRAMMAR: Articles, Punctuation, Nouns (Common, Proper, Gender, Number), Pronouns, Adjectives, Verbs, Adverbs, Tenses (Simple Present, Simple Past, Present Continuous), Prepositions, Conjunctions, Sentences, Subject & Predicate, Reading Comprehensions, Writing Skills

HINDI LITERATURE: as per prescribed books

HINDI GRAMMAR: वर्ण वर्ण-मात्राएँ, अपठित गद्यांश, भाषा, अनुच्छेद/कहानी लेखन, संज्ञा, लिंग, वचन, क्रिया, सर्वनाम, विशेषण, चित्र वर्णन, मुहावरे, अनेक शब्दों के लिए एक शब्द, पर्यायवाची, विलोम

MATHEMATICS

- Place Value
- Addition / Subtraction
- Multiplication
- Division Concepts
- Fractions
- Time
- Money
- Measurement
- Space, Shapes And Patterns
- Handling Data (Pictorial Representation)

EVS

- Family and Homes
- Locating Places
- Work, Play & Celebrations
- Plants & Animals
- Food, Water & Shelter

ICT

- Working with Paint/Paint 3D (Practical)
- Understanding Windows
- Microsoft Word (Practical)
- Log On to LOGO (Practical)
- Using Primitives (Practical)

SANSKRIT

- वर्णमाला
- संख्या (1-30)
- शब्द परिचय
- दिननाम
- मासानाम
- ऋतवः
- आत्मपरिचय
- वर्णनम
- फलानाम
- शाकानाम
- परिवार
- लेखन सामग्री
- अँगनाम
- पशवनाम

CLASS IV

ENGLISH LITERATURE – as per prescribed text books

ENGLISH GRAMMAR: Articles, Punctuations, Nouns, Pronouns, Adjectives, Verbs, Adverbs, Tenses, Prepositions, Conjunctions, Comprehension, Listening Skills, Speaking Skills, Writing Skills

HINDI LITERATURE – as per prescribed text books

HINDI GRAMMAR: वर्ण - मात्राएँ, अपठितगद्यांश, भाषा, रचनात्मक लेखन, संज्ञा, लिंग, वचन, विलोम, सर्वनाम, विशेषण, मुहावरे, अनेक शब्दों के लिए एक शब्द, पर्यायवाची, संवाद, अनुच्छेद लेखन, कहानी लेखन

MATHEMATICS

- Place value
- Addition and subtraction
- Multiplication and Division
- Factors
- Multiples
- Fractions
- Measurement
- Time
- Area and Perimeter
- Shapes, Space and Patterns
- Handling Data

SCIENCE

- Food and Digestion
- Teeth and Microbes
- Solids, Liquids and Gases
- The Earth and Its Neighbours
- Plants preparing and Storing Food
- Plants : Living and Surviving
- Animals : How Life Goes On
- Animals : Living and Surviving
- Air, Water and Weather
- **Read only**
 - Force , Work and Energy
 - Safety First
 - The Right clothes to Wear
 - A Clean World

SOCIAL SCIENCE

- I love My India
- The Northern Mountains
- The Northern Plains and Coastal Plains
- The Western Desert
- The Southern Plateau and the Islands
- Our Soils
- Our Agriculture
- Our Mineral Resources
- Our Industries
- Our Natural Resources
- Our Rights and Duties
- **Read Only**
 - Our Climate
 - Our Forests
 - Emperor Akbar
 - Transport and Communication
 - Local Self Government in cities
 - Our Water Resources
 - Our Rich Culture
 - The Age of Exploration

ICT

- Working with Files and Folders
- MS PowerPoint
- MS Word
- MSW LOGO
- Scratch

CLASS V

ENGLISH LITERATURE – as per prescribed text books.

ENGLISH GRAMMAR: Kinds of sentences, Subject-Predicate, Articles, Nouns, Pronouns, Verbs, Subject-Verb Agreement, Tenses, Conjunctions, Adverbs, Prepositions, Adjectives, Reading Comprehensions, Letter Writing, Listening Skills, Speaking Skills, Writing Skills

HINDI LITERATURE – as per prescribed text books

HINDI GRAMMAR: भाषा, वर्ण विचार, संज्ञा, लिंग, वचन, विलोम, सर्वनाम, पर्यायवाची, रचनात्मक लेखन, अनेकार्थी शब्द, विशेषण, मुहावरे, क्रिया, अनेक शब्दों के लिए एक शब्द, पत्र लेखन

MATHEMATICS

- Place Value
- Addition, Subtraction and its Applications
- Factors and Multiples
- Fractions
- Decimals
- Handling data
- Measurement
- Perimeter, Area and Volume
- Shapes, Patterns and Nets
- Multiplication, Division and its Applications
- Geometry Basics

SCIENCE

- Plants: Increasing the number
- Rocks and minerals
- Food and health
- Solids, liquids and gases
- Our skeletal system
- Our nervous system
- Animals everywhere
- Force, work and Energy
- Our life supports
- Moon- Earth's natural satellite
- **Read Only**
 - Soil Erosion and conservation
 - Safety first
 - Natural disasters
 - Houses all around
 - Changes in our Environment

SOCIAL SCIENCE

- Know your planet
- Parallels and Meridians
- The Land of Dense Forests
- Land of Sand: Saudi Arabia
- The World from 1914-45
- Towards Freedom
- India wins freedom
- Governing Ourselves
- United Nations
- **Read Only**
 - Environmental Pollution
 - The treeless grasslands: Prairies
 - Natural Disasters
 - Transport and Communication
 - Major Landforms
 - Let us Meet
 - E for Environment

ICT

- Working with Files and Folders
- MS Excel
- MS Word
- MS Power Point
- Scratch

CLASS VI

ENGLISH LITERATURE – as per prescribed text books

ENGLISH GRAMMAR: Pronouns, Nouns, Verbs, Tenses, Adjectives (Degree, Order, Kind), Conjunctions, Prepositions, Adverbs, Reported Speech, Writing Skills - Diary Entry, Paragraph Writing, Informal Letter, Formal Letter, Story Writing, Notice writing

HINDI LITERATURE – as per prescribed text books

HINDI GRAMMAR – भाषा, लिपि और व्याकरण, संज्ञा, काल, विशेषण, विलोम, पर्यायवाची, अनेकार्थी शब्द, अनेक शब्दों के लिए एक शब्द, उपसर्ग-प्रत्यय, विराम चिह्न, पत्र/अनुच्छेद/संवाद/विज्ञापन/नारा लेखन, चित्र वर्णन, अपठित गद्यांश/बोध, औपचारिक/अनौपचारिक पत्र

MATHEMATICS

- Knowing Our Numbers;
- Whole Numbers
- Playing with Numbers
- Mensuration
- Algebra
- Basic Geometrical Ideas
- Understanding Elementary Shapes
- Fractions; Decimals, Integers
- Ratio and Proportion
- Data Handling

SCIENCE

- Sources of Food
- Measurement and Motion
- Components of Food
- Lights and Shadows
- Body and its Movement
- Air around us
- Fun with Magnets
- Electricity and circuits
- Getting to know Plants
- Sorting of Materials
- Separation of Substances
- Living organisms and their surroundings

SOCIAL SCIENCE

- From hunting gathering to growing food
- In the Earliest Cities
- Kingdoms, Kings and Early Republic
- New Questions and ideas
- From a kingdom to an empire
- New Empires and Kingdoms
- Globe, Latitudes and Longitudes
- Motions of the Earth
- Major Domains & Landforms of Earth
- Our Country-India
- Major landforms of the Earth
- Diversity and Discrimination
- What is Government?
- Panchayati Raj
- Rural administration
- Urban Administration

ICT

- Introduction to AI
- Enlightening Presentation
- Editing Data in MS Excel
- Formatting Data in MS Excel
- Computer & its peripherals
- Mail Merge
- Introduction to Programming using Basic 256
- Drawing shapes with Basic 256

CLASS VII

ENGLISH LITERATURE – as per prescribed text books

ENGLISH GRAMMAR: Determiners, Prepositions, Modal Verbs, Phrasal Verbs, Phrases and Clauses, Conjunctions, Tenses, Reported Speech, Adverbs, Writing Skills- Diary Entry, Formal Letter, Notice Writing, Informal Letter, Paragraph Writing, Book & Film Review, Story Writing

HINDI LITERATURE – as per prescribed text books

HINDI GRAMMAR – वर्ण विचार, सर्वनाम, विशेषण, विलोम, क्रिया, पर्यायवाची, अनेकार्थी शब्द, श्रुति सम्बन्धार्थक शब्द, अनेक शब्दों के लिए एक शब्द, उपसर्ग-प्रत्यय, विराम चिह्न, शुद्ध-अशुद्ध, मुहावरे, औपचारिक/अनौपचारिक पत्र, अनुच्छेद/संवाद/विज्ञापन/ नारा लेखन, चित्र वर्णन

MATHEMATICS

- Integers, Rational numbers
- Fractions and Decimals
- Data handling
- Simple Equations
- Lines and Angles
- Triangles and its properties
- Comparing Quantities
- Perimeter and Area
- Algebraic Expressions
- Exponents and Powers
- Visualising Solid Shapes

SCIENCE

- Nutrition in Plants & Animals
- Motion and Time
- Heat and its Effects
- Flow of heat
- Structure of Matter
- Acids, Bases and Salts
- Respiration
- Reproduction in plants
- Wastewater management
- Transportation of materials in plants & animals
- Electric current and its effects
- Physical and chemical changes
- Light
- Forests

SOCIAL SCIENCE

- Kings and Kingdoms
- Delhi: 12th to 15th Century
- The Mughals: 16th to 17th Century
- Devotional paths to the Divine
- 18th Century political Formation
- Environment
- Inside Our Earth
- Our Changing Earth
- Air & Water
- Human Environment Interactions
- Life in the Deserts
- On Equality
- Role of the Government in Health
- How the State Government works
- Growing up as Boys and Girls
- Understanding Media
- Markets Around Us
- A Shirt in the Market

ICT

- Introduction to Excel
- Working with objects in Word
- Inserting Tables in Word
- Computer Memory and Storage
- Enhancing your Presentation
- Formatting the Presentation
- Animation with Scratch
- AI – an experiential learning

CLASS VIII

ENGLISH LITERATURE – as per prescribed text books

ENGLISH GRAMMAR – Phrases & Clauses, Subject Verb Agreement, Tenses, Reported Speech, Simple, Complex & Compound sentences, Voice, Non-Finite verbs, Idioms & Phrases, Integrated Grammar, Writing Skills- Article/Diary Entry/Notice/Story/Newspaper Report Writing, Informal/Formal Letter

HINDI LITERATURE – as per prescribed text books

HINDI GRAMMAR – संधि, श्रुतिसमभिन्नार्थक शब्द, पर्यायवाची, उपसर्ग-प्रत्यय, शुद्ध- अशुद्ध, कारक, वर्ण/वाक्य विचार, मुहावरे, अपठित गद्यांश/बोध, औपचारिक/अनौपचारिक पत्र, अनुच्छेद/संवाद/विज्ञापन/ नारा लेखन, चित्र वर्णन

MATHEMATICS

- Rational numbers
- Linear equations in one variable
- Understanding Quadrilaterals
- Data Handling
- Algebraic Expressions and Identities
- Mensuration
- Factorisation
- Exponents and Powers
- Square, Square roots, Cube, cube roots
- Comparing Quantities
- Direct and Inverse proportions
- Introduction to Graphs

SCIENCE

- Crop Production
- Force and pressure
- Friction
- Combustion and flame
- Sound
- Conservation of Plants & Animals
- Coal and Petroleum
- Refraction and dispersion of Light
- Chemical effects of electric current
- Reaching the Age of Adolescence
- Reproduction
- Some natural phenomenon
- Microorganisms
- Reflection of Light

SOCIAL SCIENCE

- Agriculture
- Resources
- Land, Soil, Water & Natural Vegetation
- Human resources
- Industries
- Public facilities
- Indian Constitution
- From trade to territory
- Ruling the countryside
- Judiciary
- Parliament and the making of laws
- Law and Social Justice
- Civilising the “Native”, Educating the Nation
- Women, caste and Reform
- The making of the National Movement
- When People Rebel 1857 and after

ICT

- Lists and Images in HTML
- Tables in HTML
- Linking web pages in HTML
- Know your Cyberspace
- Animations in Flash8
- Basics of Python
- Python Programming
- AI Techniques

CLASSES IX – XII: As prescribed by CBSE