



# Pt. Nagesh Dutt Public School, Ajhara – Lalganj

Session: 2026–27

## Academic Syllabus Class VIII

### Subject : Mathematics

| Months      | Topics Covered                                                                                                                      |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------|
| April & May | Rational Numbers, Linear Equations in One Variable                                                                                  |
| July        | Understanding Shapes : Polygon, Quadrilaterals, Special Types of Quadrilaterals                                                     |
| August      | Data Handling : Classification and Tabulation of Data, Histograms, Pie Charts                                                       |
| September   | Data Handling : Probability, Squares and Square roots                                                                               |
| October     | Cube and Cube Roots, Comparing Quantities – Percentage, Profit, Loss, Discount and Value Added Tax(vat), Compound Interest          |
| November    | Algebraic Expressions and Identities, Factorization                                                                                 |
| December    | Division of Algebraic Expressions, Mensuration : Area of a Trapezium and a Polygon, Volume and Surface Areas of a Cuboid and a Cube |
| January     | Mensuration : Surface Area and Volume of a Right Circular Cylinder, Exponents and Powers                                            |
| February    | Direct and Inverse Variations, Introduction to Graphs                                                                               |
| March       | Annual Exam                                                                                                                         |

**Note For Teacher:** Students are required to make Maths Practical File on the given topics.

| Topics                                                                             | Descriptions                                                                                           |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Representation of Rational Numbers on Number Line                                  | <b>Task:</b> Plot positive and negative rational numbers                                               |
| Operations on Rational Numbers using Cards                                         | <b>Task:</b> Perform addition/subtraction using number cards                                           |
| Square Numbers using Dot Patterns<br>Square Root using Prime Factorization (Model) | <b>Task:</b> Create square patterns (1, 4, 9, 16...)<br><b>Task:</b> Show step-by-step method visually |
| Verification of Algebraic Identities                                               | <b>Task :</b> Verify $(a+b)^2$ using paper squares                                                     |
| Solving Linear Equation using Balance Model                                        | <b>Task:</b> Show equation balance concept                                                             |

### Academic Conclusion :

This syllabus has been strategically designed to ensure a **strong foundational base**, enabling learners to transition confidently into higher academic levels. It emphasizes **conceptual clarity, skill development, and joyful learning**, thereby nurturing well-rounded individuals equipped for future academic and life challenges.

Approved By :

**Ms. Reema Mishra**  
(Academic Controller)  
Pt. Nagesh Dutt Public School



# Pt. Nagesh Dutt Public School, Ajhara – Lalganj

## Session: 2026–27

### Academic Syllabus Class VIII

#### Subject : Computer Science

| Months      | Topics Covered                                                                                                                                                                                                                                                                                                                                              |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| April & May | <b>Networking Concepts</b> : Computer Network, Types of Network, Network Components, Network Architecture, Network Topology, Network Security                                                                                                                                                                                                               |
| July        | <b>Introduction to Access</b> : Database and Database Management System, Database Objects, MS Access 2010, Creating a New Database, Views of a Table, Creating a Table in Datasheet View, Data Types in MS Access, Creating a Table in Design View, Primary Key, Inserting a New Field in Design/Datasheet View, Moving a Field, Editing Records in a Table |
| August      | <b>Queries, Forms &amp; Reports</b> : Queries, Setting Relationship between Tables, Creating a Select, Parameter and Sort Queries, Creating a Data Entry Form and Reports, Saving a Database                                                                                                                                                                |
| September   | <b>Introduction to Python</b> : Introduction to Programming, Interpreter and Compiler, Modes of Python, Keywords & Variables in Python, Data Types, The Assignment Operator, Using print() Function<br><b>Statements in Python</b> : What are Control Statements? Types of Control Statements, Different Iterative Statements                               |
| October     | <b>Loop in Python</b> : The for Loop, The while Loop, The Jump Statements, Some More Programs,                                                                                                                                                                                                                                                              |
| November    | <b>Functions and String in Python</b> : Features of Functions, Advantages of Functions, Components of Python Functions, Types of Function in Python, Creating a Function, Calling a Function, String, Some more Programs<br><b>List in Python</b> : Creating a List, Modifying the List Element, Traversing a List                                          |
| December    | <b>List in Python</b> : Slicing the List, List Methods, Python Functions, Operations on a List<br><b>HTML5 : Images, Links &amp; Frames</b> : Inserting Images, Linking Web Pages, Adding Audio and Video<br><b>Forms in HTML 5</b> : What is a form in HTML5?, The <FORM> Tag, The <INPUT> Tag, The <SELECT> Tag, The <TEXTAREA> Tag                       |
| January     | <b>Cutting Edge Technologies</b> : Artificial Intelligence (AI), Augmented Reality (AR), Internet of Things (IoT), Cloud Computing, Big Data                                                                                                                                                                                                                |
| February    | <b>Internet Safety</b> : Data Privacy, Responsible Online Behaviour, Online Banking Safety Measures, E-mail Courtesy<br><b>Algorithmic Intelligence</b> : Multiple Conditions in a Program, Loops in a Program<br><b>Microsoft 2016 Updates, The World of AI and Robotics</b>                                                                               |
| March       | <b>Annual Exam</b>                                                                                                                                                                                                                                                                                                                                          |

#### Note for the Teacher:

1- All practical activities provided in the Computer textbook, including **AI & Robotics Projects** (topics will be provided by the coordinator), must be conducted in the computer laboratory and duly recorded in the **Computer Practical File**. For every practical activity, students are required to write the **complete step-by-step procedure**, starting from the initial step to the final outcome, ensuring clarity and proper understanding of the process.

2- The book **CODEGPT Ver. 4.0 – Computer Science Textbook** shall be used by teachers as a **reference resource for additional practice and activities** to reinforce the concepts taught from the prescribed textbook. Questions from this book should also be asked in Exams.

#### Academic Conclusion :

This syllabus has been strategically designed to ensure a **strong foundational base**, enabling learners to transition confidently into higher academic levels. It emphasizes **conceptual clarity, skill development, and joyful learning**, thereby nurturing well-rounded individuals equipped for future academic and life challenges.

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# Pt. Nagesh Dutt Public School, Ajhara – Lalganj

Session: 2026–27

## Academic Syllabus Class VIII

### Subject : Moral Science

| Months      | Topics Covered                                                                                         |
|-------------|--------------------------------------------------------------------------------------------------------|
| April & May | <b>Mind &amp; Body</b> : Great Health, High Morale, Great Achievements, The Red Cross                  |
| July        | <b>Mind &amp; Body</b> : Laugh Out Loud for Good Health<br><b>Self Improvement</b> : Positive Thinking |
| August      | <b>Self Improvement</b> : Accept Consequences                                                          |
| September   | <b>Your Environment and You</b> : Air Pollution                                                        |
| October     | <b>Your Society and You</b> : Internet Etiquette                                                       |
| November    | <b>Your Society and You</b> : Say No When you want to                                                  |
| December    | <b>Your Society and You</b> : They are Differently -abled                                              |
| January     | <b>Your Nation and You</b> : Our Rights Come with Duties                                               |
| February    | <b>Your Nation and You</b> : Terrorism- Crime Against Humanity, Someone Needs our Helping Hand         |
| March       | <b>Annual Exam</b>                                                                                     |

### Academic Conclusion :

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# Pt. Nagesh Dutt Public School, Ajhara – Lalganj

## Session: 2026–27

### Academic Syllabus Class VIII

#### Subject : General Knowledge

| Months      | Topics Covered                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| April & May | <b>Life and Nature</b> : Amazing Animals, Birds, Jungle Bugs, Aquatic Sea Animals, Precious Plants, Green Glory, Herbs, Unique Animals, Hidden Lives<br><b>State &amp; Capitals</b> ( Ten Facts), <b>Union Territories &amp; Capital</b> (Ten Facts)<br><b>Current Affairs of the Month : 10</b> Current Affairs (Must be in notebooks), <b>River and Mountains, Plains &amp; Deserts, Indian Governance, Leadership &amp; National Structure</b>                                                                     |
| July        | <b>Incredible India</b> : Indian Institutes, Genius Indian Kids, Dams in India, Know Your Country, Dances of India, Famous Overseas Indians, Great Indian Industrialist – Ratan Tata, Nicknames, National Security Guard<br><b>State &amp; Capitals</b> ( Ten Facts), <b>Union Territories &amp; Capital</b> (Ten Facts)<br><b>Current Affairs of the Month : 10</b> Current Affairs (Must be in notebooks), <b>River and Mountains, Plains &amp; Deserts, Indian Governance, Leadership &amp; National Structure</b> |
| August      | <b>Science and Technology</b> : Fathers of their Fields, Contribution of Women in Science, Unique Gadgets, Phobias, Body Quotient, Indian Mission-ADITYA L1, Electricity, Branches of Science.<br><b>State &amp; Capitals</b> ( Ten Facts), <b>Union Territories &amp; Capital</b> (Ten Facts)<br><b>Current Affairs of the Month : 10</b> Current Affairs (Must be in notebooks), <b>River and Mountains, Plains &amp; Deserts, Indian Governance, Leadership &amp; National Structure</b>                           |
| September   | <b>Around the World</b> : Museums of the World, Giant Statues, Parliaments of Countries<br><b>State &amp; Capitals</b> ( Ten Facts), <b>Union Territories &amp; Capital</b> (Ten Facts)<br><b>Current Affairs of the Month : 10</b> Current Affairs (Must be in notebooks), <b>River and Mountains, Plains &amp; Deserts, Indian Governance, Leadership &amp; National Structure</b>                                                                                                                                  |
| October     | <b>Around the World</b> : World Geography, US Presidential Election, United Nations<br><b>State &amp; Capitals</b> ( Ten Facts), <b>Union Territories &amp; Capital</b> (Ten Facts)<br><b>Current Affairs of the Month : 10</b> Current Affairs (Must be in notebooks), <b>River and Mountains, Plains &amp; Deserts, Indian Governance, Leadership &amp; National Structure</b>                                                                                                                                      |
| November    | <b>Art and Entertainment</b> : Indian Authors, That's Entertainment, Women's Activists, Great Maestros, Modern Indian Art, Word Usage<br><b>State &amp; Capitals</b> ( Ten Facts), <b>Union Territories &amp; Capital</b> (Ten Facts)<br><b>Current Affairs of the Month : 10</b> Current Affairs (Must be in notebooks), <b>River and Mountains, Plains &amp; Deserts, Indian Governance, Leadership &amp; National Structure</b>                                                                                    |
| December    | <b>The World of Sports</b> : Adventure Sports, Terms Used in Sports, Sports Quiz, Sports Organisations, Interesting Cricket, Woman Tennis Stars, Miss Universe 2024<br><b>State &amp; Capitals</b> ( Ten Facts), <b>Union Territories &amp; Capital</b> (Ten Facts)<br><b>Current Affairs of the Month : 10</b> Current Affairs (Must be in notebooks), <b>River and Mountains, Plains &amp; Deserts, Indian Governance, Leadership &amp; National Structure</b>                                                      |
| January     | <b>Lessons for life &amp; Yoga</b> : Dealing with Peer Pressure, Good Habits, Public Speaking, Leadership Skills, Child Safety, Save Environment<br><b>State &amp; Capitals</b> ( Ten Facts), <b>Union Territories &amp; Capital</b> (Ten Facts)<br><b>Current Affairs of the Month : 10</b> Current Affairs (Must be in notebooks), <b>River and Mountains, Plains &amp; Deserts, Indian Governance, Leadership &amp; National Structure</b>                                                                         |
| February    | <b>Reasoning</b> : Fun with Riddles, Pattern, Brain Games, Non-verbal Reasoning, Reasoning Test<br><b>State &amp; Capitals</b> ( Ten Facts), <b>Union Territories &amp; Capital</b> (Ten Facts)<br><b>Current Affairs of the Month : 10</b> Current Affairs (Must be in notebooks), <b>River and Mountains, Plains &amp; Deserts, Indian Governance, Leadership &amp; National Structure</b>                                                                                                                          |
| March       | <b>Annual Exam</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

#### Note for Teachers:

- Teachers must prepare and include **ten current affairs every month** as part of the GK syllabus. The compiled current affairs should be submitted monthly to the Class Teacher & Co-ordinator for approval and thereafter submitted to the Examination Department for record and assessment purposes.
- All the States & Capitals, Union Territories & Capitals, Names of River and Mountains, Plains and Deserts, Indian Governance, Leadership & National Structure should be completed by Month of February. List Attached below.

#### Academic Conclusion :

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## List of State & Capitals, Union Territories & Capitals :

### India – States, Capitals and Five Facts

| State             | Capital            | Five Simple Facts                                                                                |
|-------------------|--------------------|--------------------------------------------------------------------------------------------------|
| Andhra Pradesh    | Amaravati          | Famous Tirupati Temple, Telugu language spoken, Rice farming, Long coastline, Kuchipudi dance    |
| Arunachal Pradesh | Itanagar           | Mountain state, Many forests, Called Land of Rising Sun, Many rivers, Beautiful nature           |
| Assam             | Dispur             | Tea gardens, Kaziranga Park, One-horned rhinoceros, Brahmaputra river, Bihu festival             |
| Bihar             | Patna              | River Ganga flows, Nalanda University, Lord Buddha history, Litchi fruit famous, Chhath festival |
| Chhattisgarh      | Raipur             | Forest state, Waterfalls, Rich minerals, Rice farming, Tribal culture                            |
| Goa               | Panaji             | Small state, Famous beaches, Many tourists, Portuguese culture, Seafood                          |
| Gujarat           | Gandhinagar        | Birthplace of Mahatma Gandhi, Gir lions, Garba dance, Rann of Kutch desert, Salt production      |
| Haryana           | Chandigarh         | Farming state, Wheat crops, Close to Delhi, Famous wrestlers, Green fields                       |
| Himachal Pradesh  | Shimla             | Hill state, Snowfall, Apple orchards, Tourist places, Beautiful mountains                        |
| Jharkhand         | Ranchi             | Forest state, Coal mines, Waterfalls, Tribal culture, Mineral resources                          |
| Karnataka         | Bengaluru          | IT hub of India, Mysore Palace, Coffee farming, Classical music, Temples                         |
| Kerala            | Thiruvananthapuram | Backwaters, Coconut trees, High literacy, Boat races, Green state                                |
| Madhya Pradesh    | Bhopal             | Central India, Tiger reserves, Khajuraho temples, Many forests, National parks                   |
| Maharashtra       | Mumbai             | Bollywood film industry, Gateway of India, Big cities, Industries, Ganesh festival               |
| Manipur           | Imphal             | Beautiful lakes, Loktak lake, Green hills, Polo game started here, Traditional dance             |
| Meghalaya         | Shillong           | Heavy rainfall, Living root bridges, Waterfalls, Clouds and hills, Beautiful nature              |
| Mizoram           | Aizawl             | Hilly state, Bamboo forests, Clean towns, Peaceful people, Traditional dances                    |
| Nagaland          | Kohima             | Hornbill festival, Tribal culture, Green mountains, Colorful clothes, Rice farming               |
| Odisha            | Bhubaneswar        | Jagannath Temple, Rath Yatra festival, Long beaches, Odissi dance, Many temples                  |
| Punjab            | Chandigarh         | Land of five rivers, Golden Temple, Wheat farming, Bhangra dance, Punjabi culture                |
| Rajasthan         | Jaipur             | Largest state, Thar desert, Forts and palaces, Camel rides, Colorful festivals                   |
| Sikkim            | Gangtok            | Himalayan state, Clean state, Beautiful lakes, Kanchenjunga mountain, Small population           |
| Tamil Nadu        | Chennai            | Many temples, Marina Beach, Bharatanatyam dance, Rice farming, Tamil language                    |
| Telangana         | Hyderabad          | Charminar monument, Biryani famous, IT companies, Telugu language, Big city                      |
| Tripura           | Agartala           | Small state, Green forests, Bamboo crafts, Many rivers, Hills                                    |
| Uttar Pradesh     | Lucknow            | Taj Mahal in Agra, River Ganga, Many temples, Varanasi city, Large population                    |
| Uttarakhand       | Dehradun           | Himalayan mountains, Kedarnath temple, Badrinath temple, Forests, Holy rivers                    |
| West Bengal       | Kolkata            | Durga Puja festival, Sundarbans forest, Tea gardens, Howrah bridge, Cultural heritage            |

### Union Territories of India – Capitals and Five Facts

| Union Territory                          | Capital                           | Five Simple Facts                                                                         |
|------------------------------------------|-----------------------------------|-------------------------------------------------------------------------------------------|
| Andaman and Nicobar Islands              | Port Blair                        | Group of islands, Beautiful beaches, Cellular Jail, Coconut trees, Tourist place          |
| Chandigarh                               | Chandigarh                        | Planned city, Capital of Punjab and Haryana, Clean city, Many gardens, Rock Garden famous |
| Dadra and Nagar Haveli and Daman and Diu | Daman                             | Small UT, Coastal region, Beaches, Portuguese history, Fishing                            |
| Delhi (NCT)                              | New Delhi                         | Capital of India, Parliament House, India Gate monument, Red Fort, Many tourists          |
| Jammu and Kashmir                        | Srinagar (Summer), Jammu (Winter) | Beautiful valleys, Dal Lake, Snow mountains, Apples grown, Tourism                        |
| Ladakh                                   | Leh                               | High mountains, Cold desert, Buddhist monasteries, Beautiful lakes, Tourism               |
| Lakshadweep                              | Kavaratti                         | Small islands, Blue sea, Coral reefs, Coconut trees, Fishing                              |
| Puducherry                               | Puducherry                        | French culture, Beaches, Tourist place, Peaceful city, Old buildings                      |

### Rivers and Mountains of India

#### A. Major Rivers of India

| Name of River | Origin (Starts From)         | Flows Through                          | Empties Into  | Key Fact                       |
|---------------|------------------------------|----------------------------------------|---------------|--------------------------------|
| Ganga         | Gangotri Glacier (Himalayas) | Uttarakhand, UP, Bihar, West Bengal    | Bay of Bengal | Most important river of India  |
| Yamuna        | Yamunotri Glacier            | Uttarakhand, Delhi, UP                 | Joins Ganga   | Longest tributary of Ganga     |
| Brahmaputra   | Tibet (Angsi Glacier)        | Assam                                  | Bay of Bengal | Very wide river, causes floods |
| Indus         | Tibet near Mansarovar        | Ladakh                                 | Arabian Sea   | One of the oldest rivers       |
| Godavari      | Trimbak Hills (Maharashtra)  | Maharashtra, Telangana, Andhra Pradesh | Bay of Bengal | Longest river of South India   |
| Krishna       | Mahabaleshwar (Maharashtra)  | Maharashtra, Karnataka, Andhra Pradesh | Bay of Bengal | Important for irrigation       |
| Kaveri        | Brahmagiri Hills (Karnataka) | Karnataka, Tamil Nadu                  | Bay of Bengal | Known for waterfalls           |
| Narmada       | Amarkantak Plateau           | MP, Gujarat                            | Arabian Sea   | Flows westward                 |
| Tapi (Tapti)  | Satpura Hills                | MP, Maharashtra, Gujarat               | Arabian Sea   | Parallel to Narmada            |
| Mahanadi      | Chhattisgarh Highlands       | Chhattisgarh, Odisha                   | Bay of Bengal | Forms large delta              |

## B. Major Mountains of India

| Name of Mountain Range | Location               | Key Features                   | Important Fact                           |
|------------------------|------------------------|--------------------------------|------------------------------------------|
| Himalayas              | North India            | Highest mountains in the world | Mount Everest is highest peak (in Nepal) |
| Karakoram Range        | North (Ladakh)         | Snow-covered mountains         | K2 peak is here                          |
| Aravalli Range         | Rajasthan              | Oldest mountain range in India | Very low and worn down                   |
| Vindhya Range          | Central India          | Divides North and South India  | Important natural boundary               |
| Satpura Range          | Central India          | Forested hills                 | Between Narmada and Tapi rivers          |
| Western Ghats          | Western India          | Green hills, heavy rainfall    | Rich in wildlife                         |
| Eastern Ghats          | Eastern India          | Broken hills                   | Less continuous than Western Ghats       |
| Nilgiri Hills          | South India            | Blue mountains                 | Meeting point of Ghats                   |
| Pir Panjal Range       | Jammu & Kashmir        | Part of Himalayas              | Important passes                         |
| Shivalik Hills         | Foothills of Himalayas | Low hills                      | Youngest Himalayan range                 |

## Plains and Deserts of India

### A. Plains of India

| Name of Plain                          | Location                                        | Type          | Key Features                         | Important Fact              |
|----------------------------------------|-------------------------------------------------|---------------|--------------------------------------|-----------------------------|
| Northern Plains (Indo-Gangetic Plains) | Punjab, Haryana, UP, Bihar, West Bengal, Assam  | River Plain   | Very fertile, flat land, many rivers | Called "Food Bowl of India" |
| Ganga Plains                           | Uttar Pradesh, Bihar, West Bengal               | River Plain   | Good for farming, dense population   | Major agriculture region    |
| Brahmaputra Plains                     | Assam                                           | River Plain   | Flood-prone, very fertile            | Forms wide valley           |
| Punjab Plains                          | Punjab, Haryana                                 | River Plain   | Wheat farming, irrigation            | Known for agriculture       |
| Western Coastal Plains                 | Gujarat, Maharashtra, Goa, Kerala               | Coastal Plain | Narrow land, fishing, coconut        | Along Arabian Sea           |
| Eastern Coastal Plains                 | Tamil Nadu, Andhra Pradesh, Odisha, West Bengal | Coastal Plain | Wide plains, rice farming            | Along Bay of Bengal         |
| Delta Plains                           | East coast (Ganga, Godavari, Krishna, Kaveri)   | Delta Plain   | Very fertile soil                    | Formed by river deposits    |
| Terai Plains                           | Foothills of Himalayas                          | Wet Plain     | Marshy land, forests                 | Rich in wildlife            |
| Bhabar Plains                          | Along Himalayas                                 | Rocky Plain   | Pebbles and stones                   | Less water on surface       |
| Deccan Plains                          | Central & South India                           | Plateau Plain | Slightly uneven land                 | Part of Peninsular India    |

### B. Deserts of India

| S.No. | Name of Desert                    | Location                    | Type        | Climate           | Key Features                     | Important Fact                |
|-------|-----------------------------------|-----------------------------|-------------|-------------------|----------------------------------|-------------------------------|
| 1     | Thar Desert (Great Indian Desert) | Rajasthan, Gujarat          | Hot Desert  | Very hot and dry  | Sand dunes, very little rainfall | Camel is "Ship of the Desert" |
| 2     | Rann of Kutch                     | Gujarat                     | Salt Desert | Hot and dry       | White salt land, seasonal water  | Famous for White Desert       |
| 3     | Ladakh Desert                     | Ladakh (UT)                 | Cold Desert | Very cold and dry | Rocky land, snow                 | High altitude desert          |
| 4     | Spiti Valley                      | Himachal Pradesh            | Cold Desert | Cold and dry      | Sparse vegetation                | Mountain desert               |
| 5     | Lahaul Valley                     | Himachal Pradesh            | Cold Desert | Cold              | Snow-covered region              | Remote and dry                |
| 6     | Kinnaur Region (Part)             | Himachal Pradesh            | Cold Desert | Cold              | Dry mountain area                | Near Tibet                    |
| 7     | Semi-Arid Desert Region           | Rajasthan, Haryana, Gujarat | Semi Desert | Less rainfall     | Dry grassland                    | Transition zone               |

## Indian Governance, Leadership & National Structure

| Post / Office                        | Correct Current Name / Official Style                            |
|--------------------------------------|------------------------------------------------------------------|
| President of India                   | Smt. Droupadi Murmu                                              |
| Vice-President of India              | Shri C. P. Radhakrishnan                                         |
| Prime Minister of India              | Shri Narendra Damodardas Modi                                    |
| Council of Ministers                 | Headed by Shri Narendra Damodardas Modi, Prime Minister of India |
| Speaker of Lok Sabha                 | Shri Om Birla                                                    |
| Chairman of Rajya Sabha              | Shri C. P. Radhakrishnan, Vice-President of India                |
| Lok Sabha                            | Lower House of Parliament                                        |
| Rajya Sabha                          | Upper House of Parliament                                        |
| Chief Justice of India               | Hon'ble Mr. Justice Surya Kant                                   |
| Chief Election Commissioner of India | Shri Gyanesh Kumar                                               |
| Raksha Mantri / Defence Minister     | Shri Rajnath Singh                                               |
| Home Minister                        | Shri Amit Shah                                                   |
| Finance Minister                     | Smt. Nirmala Sitharaman                                          |
| Education Minister                   | Shri Dharmendra Pradhan                                          |
| External Affairs Minister            | Dr. Subrahmanyam Jaishankar                                      |
| Chief of Defence Staff (CDS)         | General Anil Chauhan                                             |
| Chief of the Army Staff              | General Upendra Dwivedi                                          |
| Chief of the Naval Staff             | Admiral Dinesh K. Tripathi                                       |
| Chief of the Air Staff               | Air Chief Marshal Amar Preet Singh                               |
| National Flag                        | Tiranga                                                          |
| National Emblem                      | State Emblem of India (Ashoka Lion Capital)                      |
| National Animal                      | Tiger                                                            |

|                                 |                                                        |
|---------------------------------|--------------------------------------------------------|
| National Bird                   | Peacock                                                |
| National Flower                 | Lotus                                                  |
| National Tree                   | Banyan Tree                                            |
| National Fruit                  | Mango                                                  |
| National River                  | Ganga                                                  |
| National Anthem                 | Jana Gana Mana                                         |
| National Song                   | Vande Mataram                                          |
| Chairman, ISRO                  | Dr. V. Narayanan                                       |
| Chairman, DRDO                  | Dr. Samir V. Kamat                                     |
| Governor, Reserve Bank of India | Shri Sanjay Malhotra                                   |
| Chairperson, NITI Aayog         | Shri Narendra Damodardas Modi, Prime Minister of India |
| States of India                 | 28 States                                              |
| Union Territories of India      | 8 Union Territories                                    |
| Republic Day                    | 26 January                                             |
| Independence Day                | 15 August                                              |
| Gandhi Jayanti                  | 2 October                                              |
| Constitution Day                | 26 November                                            |
| Bharat Ratna                    | Highest civilian award of India                        |
| Padma Vibhushan                 | Civilian award                                         |
| Padma Bhushan                   | Civilian award                                         |
| Padma Shri                      | Civilian award                                         |
| Param Vir Chakra                | Highest wartime gallantry award                        |
| Ashoka Chakra                   | Highest peacetime gallantry award                      |
| Currency of India               | Indian Rupee (₹)                                       |
| Union Budget                    | Annual financial statement of the Government of India  |
| National Motto                  | Satyameva Jayate                                       |
| Official Languages of the Union | Hindi and English                                      |
| Time Zone of India              | Indian Standard Time (IST)                             |



# Pt. Nagesh Dutt Public School, Ajhara – Lalganj

Session: 2026–27

## Academic Syllabus Class VIII

### Subject : English Grammar

| Months      | Topics Covered                                                                                                                                        |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| April & May | <b>Grammar</b> : Sentence, Nouns, Pronouns                                                                                                            |
| July        | <b>Grammar</b> : Determiners, Verbs, Adverbs<br><b>Creative Writing</b> : Reading Comprehension, Notice Writing, Letter Writing                       |
| August      | <b>Grammar</b> : Non-finites, Modal, Subject-verb Agreement<br><b>Creative Writing</b> : Article Writing, Report Writing                              |
| September   | <b>Grammar</b> : Tenses, Active and Passive Voice, Prepositions<br><b>Creative Writing</b> : Email Writing, Dialogue Writing, Poster Making           |
| October     | <b>Grammar</b> : Conjunction, Interjection<br><b>Creative Writing</b> : Read Comprehension, Notice Writing, Letter Writing, Story Writing             |
| November    | <b>Grammar</b> : Phrases and Clause<br><b>Creative Writing</b> : Story Writing, Article Writing, Report Writing                                       |
| December    | <b>Grammar</b> : Reported Speech<br><b>Creative Writing</b> : Email Writing, Dialogue Writing                                                         |
| January     | <b>Grammar</b> : Transformation of Sentences<br><b>Creative Writing</b> : Diary Entry, Poster Making                                                  |
| February    | <b>Grammar</b> : Figures of Speech<br><b>Creative Writing</b> : Advertisement, Notice, Letter, Story, Article, Report, Email, Dialogue, Diary Writing |
| March       | <b>Annual Exam</b>                                                                                                                                    |

### Academic Conclusion :

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Session: 2026–27

## Academic Syllabus Class VIII

### Subject : English Literature

| Months      | Topics Covered                                                                                      |
|-------------|-----------------------------------------------------------------------------------------------------|
| April & May | The Ghost(Poem), The Canterville Ghost (Short Story)                                                |
| July        | A Day's Waist (Short Story), Mending Walls ( Poem)                                                  |
| August      | India's Space Odyssey ( Picture Story), Detectives Two ( Short Story)                               |
| September   | Inchcape Rock ( Poem), The Hitchhiker ( Non-Fiction)                                                |
| October     | I have a Sister-My Sister is Deaf ( Poem)                                                           |
| November    | The Ransom of Red Chief ( Short Story)                                                              |
| December    | The computer Swallowed Grandma ( Poem ) , Mawlynnong-the cleanest village in the World(Non-fiction) |
| January     | Jodie's Daddy is a Garbageman(Short Story), The Village Blacksmith ( Poem)                          |
| February    | Idgah(Short Story), The Merchant of Venice (Play)                                                   |
| March       | Annual Exam                                                                                         |

#### Teacher's Note:

The Grammar, Vocabulary, Study Skills, Listening, Speaking, Writing and Activity components provided in each chapter of the coursebook should be integrated with the teaching of the respective lessons during classroom instruction.

#### Academic Conclusion :

This syllabus has been strategically designed to ensure a **strong foundational base**, enabling learners to transition confidently into higher academic levels. It emphasizes **conceptual clarity, skill development, and joyful learning**, thereby nurturing well-rounded individuals equipped for future academic and life challenges.

Approved By :

**Ms. Reema Mishra**  
(Academic Controller)  
Pt. Nagesh Dutt Public School



# Pt. Nagesh Dutt Public School, Ajhara – Lalganj

Session: 2026–27

## Academic Syllabus Class VII

### Subject : Sanskrit

| मास       | विषय-सूची                                                                                                                                                                                                                                                                         |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| अप्रैल-मई | साहित्य – वन्दना, आत्मविश्वास:<br>व्याकरण – वर्णमाला एवं उच्चारण : स्वर, व्यंजन, संयुक्त व्यंजन, उच्चारण शुद्धि, मात्रा प्रयोग                                                                                                                                                    |
| जुलाई     | साहित्य – पलक: मुछाल:<br>व्याकरण – संज्ञा – संज्ञाशब्दानां भेदाः, संज्ञाशब्दानां लिङ्गानि, संज्ञाशब्दानां वचनानि, विलोमशब्दाः, पर्यायवाचकशब्दः<br>रचनात्मक लेखन : अपठित गद्यांश, अनुवाद                                                                                           |
| अगस्त     | साहित्य – श्री लालबहादुर शास्त्री, वीरवरः अब्दुलहमीदः<br>व्याकरण – सर्वनाम, सर्वनाम रूप परिवर्तन, विशेषण : लिंग, वचन, विभक्ति के अनुसार परिवर्तन, विशेषण-विशेष्य<br>रचनात्मक लेखन : अपठित गद्यांश, अनुवाद                                                                         |
| सितम्बर   | साहित्य – व्यायामः, महान वैज्ञानिक – डॉ० कलाम<br>व्याकरण – संधि : प्रकार, संधि विच्छेद, कारक : प्राकार, वाक्य में प्रयोग, वाच्यप्रकार<br>रचनात्मक लेखन : अपठित गद्यांश, अनुवाद                                                                                                    |
| अक्टूबर   | साहित्य – राजा भोजः, तुलसी<br>व्याकरण – समासः, समास के भेद एवं उपभेद, समास-विग्रह, अशुद्धिसंशोधनम : कियासम्बन्धी, कर्तासम्बन्धी, विभक्तिसम्बन्धी, उपपद-विभक्ति संबंधी, विशेष्यविशेषण संबंधी, संख्याविषयक संशोधन, लकारविषयक संशोधन<br>रचनात्मक लेखन : अपठित गद्यांश, अनुवाद        |
| नवम्बर    | साहित्य – अमृतवचनानि, ग्रीष्मः ऋतुः<br>व्याकरण – अकारान्त पुल्लिङ्ग, अकारान्त नपुंसकलिङ्ग, अकारान्त स्त्रीलिङ्ग, इकारान्त स्त्रीलिङ्ग<br>रचनात्मक लेखन : चित्रवर्णन, अनुच्छेद लेखन                                                                                                |
| दिसम्बर   | साहित्य – देहली – भ्रमणम्<br>व्याकरण – उपसर्ग – प्रत्यय, अव्यय<br>रचनात्मक लेखन : पत्रलेखन, आत्मपरिचय लेखन                                                                                                                                                                        |
| जनवरी     | साहित्य – चरकः, विश्वबंधुत्व<br>व्याकरण – उकारान्त पुल्लिङ्ग, सर्वनाम इदम् यह : पुल्लिङ्ग शब्द, स्त्रीलिङ्ग शब्द, नपुंसकलिङ्ग शब्दः<br>रचनात्मक लेखन : डायरी लेखन, आत्मपरिचय, पत्रलेखन                                                                                            |
| फरवरी     | साहित्य – आदिकविः वाल्मीकिः, अनुशासनस्य महत्त्वम्<br>व्याकरण एतत् यह : पुल्लिङ्ग शब्द, स्त्रीलिङ्ग शब्दः, धातुरूपाणि : लटलकार : वर्तमान काल, लोटलकार अनुज्ञा/आदेश, लङलकारः भूतकाल, विधिलिङलकारः विधिः/सम्भावना, लृटलकार – भविष्यत् कालः<br>रचनात्मक लेखन : सूचना लेखन, संवाद लेखन |
| मार्च     |                                                                                                                                                                                                                                                                                   |

### Academic Conclusion :

This syllabus has been strategically designed to ensure a **strong foundational base**, enabling learners to transition confidently into higher academic levels. It emphasizes **conceptual clarity, skill development, and joyful learning**, thereby nurturing well-rounded individuals equipped for future academic and life challenges.

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# Pt. Nagesh Dutt Public School, Ajhara – Lalganj

Session: 2026–27

## Academic Syllabus Class VIII

### Subject : हिन्दी साहित्य

| मास       | विषय-सूची                                                    | पूरक पुस्तक                                               |
|-----------|--------------------------------------------------------------|-----------------------------------------------------------|
| अप्रैल-मई | डरना कभी न जाना (कविता), अखबार में नाम (कहानी),              | भारत की भौगोलिक स्थिति – नदियां, पर्वत, जलवायु और विविधता |
| जुलाई     | अध्ययन (निबंध), बोध (कहानी)                                  | सिंधु घाटी सभ्यता – प्राचीन नगरों का विकास                |
| अगस्त     | पठन कौशल – रानी चेन्नम्मा, कर्मवीर (कविता),                  | वैदिक काल – आर्यों का आगमन और समाज व्यवस्था               |
| सितम्बर   | मुतांदाई (कहानी), सपना सच हो गया (साक्षात्कार)               | बौद्ध और जैन धर्म- महात्मा बुद्ध और महावीर की शिक्षाएं    |
| अक्टूबर   | पठन कौशल – अतीत से सीखिए, नीतिपरक दोहे (दोहे),               | मौर्य और गुप्तकाल – भारत का स्वर्ण युग                    |
| नवम्बर    | फटाफटी आहार (पत्र), परोपकारी राजा (कहानी),                   | मध्यकालीन भारत – विभिन्न राजवंश और सांस्कृतिक समन्वय      |
| दिसम्बर   | पठन कौशल – संसार दर्पण, पापा खो गए (नाटक),                   | विदेशी आक्रमण और अंग्रेजी शासन – भारत पर प्रभाव           |
| जनवरी     | मातृभूमि(कविता), मेरी यादें (आत्मकथा),                       | स्वतंत्रता संग्राम – स्वतंत्रता की लड़ाई और बलिदान        |
| फरवरी     | सूर्यास्त झांसी का (व्यक्तित्व), पठन कौशल –जिसके हम मामा हैं | राष्ट्रीय एकता – विविधता में एकता का महत्व                |
| मार्च     | वार्षिक परीक्षा                                              |                                                           |

**नोट –** पाठ्यपुस्तक में दिए गए प्रत्येक पाठ के अंतर्गत **“भाषा व व्याकरण”** भाग में उल्लिखित सभी विषयों को विद्यार्थियों की कक्षा-कार्य एवं अभ्यास पुस्तिका में अनिवार्य रूप से सम्मिलित किया जाए। शिक्षक सुनिश्चित करें कि **“भाषा व व्याकरण”** के अंतर्गत दिए गए प्रत्येक बिंदु को अध्यापन के दौरान विस्तारपूर्वक समझाया जाए। वार्षिक एवं आवधिक परीक्षाओं में प्रश्नपत्र तैयार करते समय **“भाषा व व्याकरण”** भाग से भी प्रश्न अनिवार्य रूप से सम्मिलित किए जाएंगे।

### Academic Conclusion :

This syllabus has been strategically designed to ensure a **strong foundational base**, enabling learners to transition confidently into higher academic levels. It emphasizes **conceptual clarity, skill development, and joyful learning**, thereby nurturing well-rounded individuals equipped for future academic and life challenges.

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# Pt. Nagesh Dutt Public School, Ajhara – Lalganj

Session: 2026–27

## Academic Syllabus Class VIII

### Subject : Hindi Grammar

| मास       | विषय—सूची                                                                                |
|-----------|------------------------------------------------------------------------------------------|
| अप्रैल—मई | भाषा, व्याकरण एवं वर्ण विचार, शब्द विचार,                                                |
| जुलाई     | शब्द रचना ,संधि, शब्द भंडार, अपठित गद्यांश, पत्र लेखन                                    |
| अगस्त     | संज्ञा, सर्वनाम, लिंग, अपठित गद्यांश, अपठित काव्यांश, निबंध लेखन                         |
| सितम्बर   | वचन, कारक, अनुच्छेद लेखन, चित्र वर्णन                                                    |
| अक्टूबर   | क्रिया, विशेषण, अनुच्छेद लेखन, संस्मरण लेखन,                                             |
| नवम्बर    | अविकारी शब्द (अव्यय), अपठित काव्यांश, पोस्टर राइटिंग                                     |
| दिसम्बर   | पदबंध तथा वाक्य , डायरी राइटिंग                                                          |
| जनवरी     | मुहावरे और लोकोक्तियाँ रिपोर्ट राइटिंग, संवाद लेखन                                       |
| फरवरी     | अनुच्छेद लेखन, काव्यांश, चित्र वर्णन, निबंध लेखन, संस्मरण लेखन, रिपोर्ट लेखन, डायरी लेखन |
| मार्च     | वार्षिक परीक्षा                                                                          |

### Academic Conclusion :

This syllabus has been strategically designed to ensure a **strong foundational base**, enabling learners to transition confidently into higher academic levels. It emphasizes **conceptual clarity, skill development, and joyful learning**, thereby nurturing well-rounded individuals equipped for future academic and life challenges.

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# Pt. Nagesh Dutt Public School, Ajhara – Lalganj

## Session: 2026–27

### Academic Syllabus Class VIII

#### Subject : Social Science

| Months      | Topics                                                                                                                                                                                | Map Drill                                                                                                                                                                                             |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| April & May | <b>History :</b> The Birth of Modern India : When, Where and How<br><b>Social and Political Life :</b> The Indian Constitution                                                        | <b>History :</b> India : Early 18 <sup>th</sup> Century, India : 1705CE<br>European Companies, India : 1765 CE                                                                                        |
| July        | <b>History :</b> Establishment of Power by EEIC in India.<br><b>Geography :</b> Natural Resource                                                                                      | <b>Geography :</b> India : Land Utilization, India : Main Soil Types, India : Means of Irrigation                                                                                                     |
| August      | <b>History :</b> Ruling the Country Side<br><b>Geography:</b> Land Soil and Water Resource<br><b>Social and Political Life :</b> Secularism and the Constitution                      | <b>Geography :</b> India : Crops – I, Crops – II, Crops – III, Crops – IV, Crops – V, Crops – VI<br><b>History :</b> India : During the 18 <sup>th</sup> Century, India : British Expansion – 1805 CE |
| September   | <b>Geography :</b> Natural Vegetation and Wildlife<br><b>Social and Political Life :</b> The Parliamentary Form of Government                                                         | <b>Geography :</b> India : Seismic Zones, Flood Prone Area, Drought Prone Area, Cyclones<br><b>History :</b> India : 1856 CE                                                                          |
| October     | <b>History :</b> Tribal Communities and the Colonial State<br><b>Geography:</b> Agricultural Practices<br><b>Social and Political Life :</b> Law and Democracy                        | <b>Geography :</b> World : Major Grasslands, World : Main Types of Agriculture<br><b>History :</b> India : Main Centres of Revolt before 1857 CE                                                      |
| November    | <b>History :</b> The Revolt of 1857<br><b>Geography :</b> Major Indian Crops<br><b>Social and Political Life :</b> The Judiciary                                                      | <b>Geography :</b> World : Crops-I, Crops – II, Crops – III, Crops – IV, Crops – V, Crops-VI<br><b>History :</b> India : Important Centres of Revolt 1857 CE                                          |
| December    | <b>History :</b> Colonial Education and Its Impact<br><b>Geography :</b> Manufacturing Industries<br><b>Social and Political Life :</b> Understanding and Confronting Marginalisation | <b>History :</b> India : Centres of Religious and Social Reform Movements                                                                                                                             |
| January     | <b>History :</b> Women, Caste and Reform Movement<br><b>Geography :</b> Major Industries<br><b>Social and Political Life :</b> Government and Development                             | <b>Geography :</b> World : Major Industrial Regions, World : Iron and Steel Industry, India : Iron and Steel Industry, India : Information and Technology Industry                                    |
| February    | <b>History :</b> Indian National Movement and Independence<br><b>Geography :</b> Human Resources<br><b>Social and Political Life :</b> Laws for the General Welfare                   | <b>Geography :</b> India : Density of Population, World : Earthquake Belts<br><b>History :</b> Important Sessions of the Indian National Congress, Struggle for Swaraj, India in 1947                 |
| March       | <b>Revision</b>                                                                                                                                                                       | <b>Annual Exam</b>                                                                                                                                                                                    |

#### Teacher's Note:

- Student Should maintain the **S.ST Project File** : (Topics Attached Below)
- Map Work** : Students should practice **Map Work** using both **Political and Physical Maps of India**. The following topics should be covered: **States and Capitals of India, Union Territories of India, Major Rivers of India, Landforms of India, Latitudes and Longitudes, Motion of Earth**  
Map work should also be conducted **whenever required according to the chapters in the syllabus**, and students should complete the activities neatly in their notebooks or map worksheets as guided by the teacher.

#### 3. Dynasties of India

##### Dynasties, Timeline and Rulers

| Dynasty Name       | Time Period (Approx.) | Important Rulers                           |
|--------------------|-----------------------|--------------------------------------------|
| Haryanka Dynasty   | 544 – 413 BCE         | Bimbisara, Ajatashatru                     |
| Nanda Dynasty      | 345 – 322 BCE         | Mahapadma Nanda, Dhana Nanda               |
| Maurya Dynasty     | 322 – 185 BCE         | Chandragupta Maurya, Bindusara, Ashoka     |
| Shunga Dynasty     | 185 – 73 BCE          | Pushyamitra Shunga                         |
| Satavahana Dynasty | 1st BCE – 3rd CE      | Gautamiputra Satakarni                     |
| Kushan Dynasty     | 1st – 3rd CE          | Kanishka                                   |
| Gupta Dynasty      | 320 – 550 CE          | Chandragupta I, Samudragupta, Vikramaditya |
| Vardhana Dynasty   | 606 – 647 CE          | Harshavardhana                             |
| Chola Dynasty      | 850 – 1279 CE         | Rajaraja Chola, Rajendra Chola             |
| Delhi Sultanate    | 1206 – 1526 CE        | Qutubuddin Aibak, Alauddin Khalji          |
| Mughal Dynasty     | 1526 – 1857 CE        | Akbar, Shah Jahan, Aurangzeb               |
| Maratha Empire     | 1674 – 1818 CE        | Shivaji Maharaj                            |

- Understanding Historical Timeline & Chronology(Attached Below)** :The concept of **Time, Timeline, and Chronology** forms the foundational basis of historical understanding for students. Teachers are advised to introduce these concepts in a **conceptual, visual, and activity-based manner** to ensure clarity and long-term retention.

### Topics for Project File ( Social Science)

|           |                                 |                                                                                                |
|-----------|---------------------------------|------------------------------------------------------------------------------------------------|
| Project 1 | Disaster Management             | Activity: Types of disasters (earthquake, flood, cyclone), Safety Measures, Emergency Kit Plan |
| Project 2 | The Indian Constitution         | Concept + Chart, Include : Key Features, Fundamental Rights with Chart                         |
| Project 3 | Parliamentary Government System | Flow Chart + Role Study, Include : Parliament Structure, Law-making Process                    |
| Project 4 | Local Area Study                | Survey of locality (people, occupation, environment), Data + Conclusion                        |

### Understanding Historical Timeline & Chronology

#### 1. What is a Timeline?

A **timeline** is a graphical or sequential representation that shows events arranged in the order of time, moving from the **past to the present**.

*Example:* Stone Age → Indus Valley Civilization → Mauryan Empire → Present Day

(Teachers should encourage students to create simple timelines to visualize historical progression.)

#### 2. Basic Time Terms (Essential for Conceptual Clarity)

Students must be thoroughly familiar with the following chronological terms:

**BC (Before Christ):** Refers to the period before the birth of Jesus Christ. Time is counted **backwards** (e.g., 300 BC comes before 200 BC).

**AD (Anno Domini):** Refers to the period after the birth of Christ. Time is counted **forward** (e.g., AD 200 comes after AD 100).

**BCE (Before Common Era):** Modern and neutral equivalent of BC (e.g., 300 BCE = 300 BC).

**CE (Common Era):** Modern and neutral equivalent of AD (e.g., 2025 CE = AD 2025).

#### 3. Understanding the Flow of Time

Students should clearly understand how time progresses:

← Past ----- Present ----- Future →  
BCE CE

#### Illustrative examples:

1000 BCE → very ancient period

500 BCE → relatively closer to present

1 CE → reference point

2025 CE → present era

(Teachers are encouraged to use number lines and classroom charts to reinforce this concept.)

#### 4. Dynasty-Wise Historical Timeline :

Teachers should familiarize students with the broad sequence of major historical periods using the following structured reference:

| Dynasty / Kingdom            | Time Period (Approx.) | Important Rulers                 | Key Learning Points                                                                        |
|------------------------------|-----------------------|----------------------------------|--------------------------------------------------------------------------------------------|
| Indus Valley Civilization    | 2500 BCE – 1500 BCE   | Not clearly known                | First urban civilization; planned cities (Harappa, Mohenjo-daro); advanced drainage system |
| Vedic Period                 | 1500 BCE – 600 BCE    | Tribal leaders                   | Rural life; early Sanskrit usage; composition of Vedas                                     |
| Mahajanapadas                | 600 BCE – 300 BCE     | Bimbisara, Ajatashatru           | Emergence of 16 kingdoms; rise of Magadha                                                  |
| Maurya Dynasty               | 322 BCE – 185 BCE     | Chandragupta Maurya, Ashoka      | First major empire; spread of Buddhism; capital at Pataliputra                             |
| Post-Maurya Kingdoms         | 200 BCE – 300 CE      | Kanishka                         | Growth in trade; cultural exchange; Buddhism expansion                                     |
| Gupta Dynasty                | 320 CE – 550 CE       | Chandragupta I, Samudragupta     | Golden Age of India; advancements in science and arts                                      |
| Harsha's Empire              | 606 CE – 647 CE       | Harshavardhana                   | Consolidation of North India; patronage of education and religion                          |
| Early Medieval Kingdoms      | 700 CE – 1200 CE      | Rajput rulers                    | Regional kingdoms; forts and warfare culture                                               |
| Delhi Sultanate              | 1206 CE – 1526 CE     | Qutbuddin Aibak, Alauddin Khilji | Establishment of Muslim rule; architectural developments                                   |
| Mughal Empire                | 1526 CE – 1707 CE     | Akbar, Shah Jahan, Aurangzeb     | Strong centralized empire; art, culture, Taj Mahal                                         |
| Maratha Empire               | 1674 CE – 1818 CE     | Shivaji Maharaj                  | Rise of regional power; resistance to Mughal rule                                          |
| British Rule (Modern Period) | 1757 CE – 1947 CE     | British administrators           | Colonial rule; freedom struggle; independence in 1947                                      |

#### 5. Key Conceptual Understanding :

Teachers must ensure that students develop the following core understandings:

Chronological Flow : Ancient → Medieval → Modern

Division of Historical Periods :

| Period         | Time Range       |
|----------------|------------------|
| Ancient India  | Before 700 CE    |
| Medieval India | 700 CE – 1700 CE |
| Modern India   | After 1700 CE    |

#### Academic Conclusion :

This syllabus has been strategically designed to ensure a **strong foundational base**, enabling learners to transition confidently into higher academic levels. It emphasizes **conceptual clarity, skill development, and joyful learning**, thereby nurturing well-rounded individuals equipped for future academic and life challenges.

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Session: 2026–27

## Academic Syllabus Class VIII

### Subject : Science

| Months      | Topics Covered                                                                     |
|-------------|------------------------------------------------------------------------------------|
| April & May | Exploring the Investigative World of Science                                       |
| July        | The Invisible Living World: Beyond Our Naked Eye<br>Health : The Ultimate Treasure |
| August      | Electricity : Magnetic and Heating Effects<br>Exploring Forces                     |
| September   | Pressure, Winds, Storms and Cyclones                                               |
| October     | Particulate Nature of Matter                                                       |
| November    | Nature of Matter : Elements, Compounds and Mixtures                                |
| December    | The Amazing World of Solutes, Solvents and Solutions                               |
| January     | Light : Mirror and Lenses<br>Keeping Time with the Skies                           |
| February    | How Nature Works in Harmony<br>Our Home : Earth, a Unique Life-Sustaining Planet   |
| March       | Annual Exam                                                                        |

**Note for Teachers :** Students are required to maintain a Science Practical File.

| Topics                                                      | Descriptions                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Electricity: Magnetic and Heating Effects</i>            | <ul style="list-style-type: none"><li>• Making a <b>simple electric circuit</b> and testing conductors &amp; insulators</li><li>• Demonstration of <b>heating effect</b> of electric current using nichrome wire</li><li>• Making a <b>simple electromagnet</b> using iron nail and wire</li><li>• Measurement of <b>force using spring balance</b></li></ul>                                                             |
| <i>Pressure, Winds, Storms and Cyclones</i>                 | <ul style="list-style-type: none"><li>• Demonstration of <b>air pressure</b> using inverted glass and paper</li><li>• Activity showing <b>pressure variation</b> with area (using thumb/pin)</li><li>• Experiment to show <b>air occupies space</b> (balloon in bottle)</li><li>• Demonstration of <b>wind direction</b> using simple wind vane model</li></ul>                                                           |
| <i>The Amazing World of Solutes, Solvents and Solutions</i> | <ul style="list-style-type: none"><li>• Preparation of <b>true solution</b> (salt + water)</li><li>• Preparation of <b>suspension</b> (chalk + water)</li><li>• Preparation of <b>colloid</b> (milk in water)</li><li>• Experiment to test <b>solubility at different temperatures</b></li><li>• Solubility of Kumkum in Water and Oil</li></ul>                                                                          |
| Light: Mirror and Lenses                                    | <ul style="list-style-type: none"><li>• Verification of Laws of Reflection (Plane Mirror)</li><li>• Image Formation by Plane Mirror</li><li>• Lateral Inversion in Mirror</li><li>• Image Formation by Convex Lens (Real Image)</li><li>• Magnification using Convex Lens</li><li>• Dispersion of Light (Rainbow Formation)</li><li>• Transparent, Translucent, Opaque Materials</li><li>• Formation of Shadows</li></ul> |

### Academic Conclusion :

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Approved By :

**Ms. Reema Mishra**  
(Academic Controller)  
Pt. Nagesh Dutt Public School



# Pt. Nagesh Dutt Public School, Ajhara – Lalganj

## Session: 2026–27

### Academic Syllabus Class VIII

#### Subject : Games & Sports

| Month            | Theory (Advanced Concepts)                                                                                                                                                                                                                                          | Practical (Activities / Games)                                                                                                                                                                                                                                                                  |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>April–May</b> | <ul style="list-style-type: none"> <li>Advanced components of fitness (speed, strength, endurance, flexibility, coordination)</li> <li>Training principles (warm-up, overload, recovery – basic intro)</li> <li>Injury prevention &amp; first aid basics</li> </ul> | <ul style="list-style-type: none"> <li>Dynamic warm-up &amp; stretching</li> <li>Sprint techniques (start, acceleration, finishing)</li> <li>Fitness circuits (strength + agility + endurance)</li> </ul>                                                                                       |
| <b>July</b>      | <ul style="list-style-type: none"> <li>Athletics rules &amp; techniques (track &amp; field)</li> <li>Measurement and performance basics</li> </ul>                                                                                                                  | <ul style="list-style-type: none"> <li>Athletics:               <ul style="list-style-type: none"> <li>Sprint (80m–100m technique)</li> <li>Long jump (approach + take-off)</li> <li>Throw (distance + technique refinement)</li> </ul> </li> </ul>                                             |
| <b>August</b>    | <ul style="list-style-type: none"> <li>Invasion games strategies (formations, positioning)</li> <li>Offensive and defensive play</li> </ul>                                                                                                                         | <ul style="list-style-type: none"> <li>Outdoor Games:               <ul style="list-style-type: none"> <li>Football (passing, dribbling, formations – basic)</li> <li>Basketball (passing, dribbling, shooting, positioning)</li> </ul> </li> <li>Small-sided matches</li> </ul>                |
| <b>September</b> | <ul style="list-style-type: none"> <li>Indigenous games strategy</li> <li>Team coordination and tactical play</li> </ul>                                                                                                                                            | <ul style="list-style-type: none"> <li>Outdoor Games:               <ul style="list-style-type: none"> <li>Kho Kho (advanced chasing strategies)</li> <li>Kabaddi (raiding, defending, teamwork)</li> </ul> </li> <li>Relay races (advanced baton exchange)</li> </ul>                          |
| <b>October</b>   | <ul style="list-style-type: none"> <li>Yoga for physical &amp; mental fitness</li> <li>Concentration and stress management</li> </ul>                                                                                                                               | <ul style="list-style-type: none"> <li>Yoga:               <ul style="list-style-type: none"> <li>Tadasana, Trikonasana, Bhujangasana, Paschimottanasana</li> <li>Surya Namaskar (intro)</li> </ul> </li> <li>Pranayama (Anulom Vilom, deep breathing)</li> </ul>                               |
| <b>November</b>  | <ul style="list-style-type: none"> <li>Nutrition for athletes</li> <li>Endurance and stamina building</li> <li>Introduction to strength training (basic concept)</li> </ul>                                                                                         | <ul style="list-style-type: none"> <li>Endurance running (middle distance)</li> <li>Circuit training (bodyweight exercises)</li> <li>Obstacle and agility drills</li> </ul>                                                                                                                     |
| <b>December</b>  | <ul style="list-style-type: none"> <li>Indoor games strategy and mental skills</li> <li>Decision-making and focus in sports</li> </ul>                                                                                                                              | <ul style="list-style-type: none"> <li>Indoor Games:               <ul style="list-style-type: none"> <li>Chess (strategy, checkmate patterns)</li> <li>Carrom (advanced striking &amp; angles)</li> <li>Table Tennis (serve, rally, placement)</li> </ul> </li> <li>Reaction drills</li> </ul> |
| <b>January</b>   | <ul style="list-style-type: none"> <li>Rules, scoring, and officiating basics:               <ul style="list-style-type: none"> <li>Cricket</li> <li>Badminton</li> </ul> </li> <li>Leadership and team roles</li> </ul>                                            | <ul style="list-style-type: none"> <li>Outdoor + Net Games:               <ul style="list-style-type: none"> <li>Cricket (batting, bowling, field placement)</li> <li>Badminton (serve, rally, footwork, positioning)</li> </ul> </li> <li>Practice matches</li> </ul>                          |
| <b>February</b>  | <ul style="list-style-type: none"> <li>Revision of strategies, rules, and fitness concepts</li> <li>Sports ethics and fair play</li> </ul>                                                                                                                          | <ul style="list-style-type: none"> <li>Mixed Application:               <ul style="list-style-type: none"> <li>Athletics performance practice</li> <li>Indoor + Outdoor competitions</li> <li>Inter-house mini tournaments</li> </ul> </li> </ul>                                               |
| <b>March</b>     | Annual Exams                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                 |

#### Academic Conclusion :

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# Pt. Nagesh Dutt Public School, Ajhara – Lalganj

Session: 2026–27

## Academic Syllabus Class VIII

### Subject : Drawing & Painting

| Month            | Topics & Concepts                                                                                                                                                                   | Activities / Practical Work                                                                                               |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>April–May</b> | Elements & Principles of Art (Advanced) <ul style="list-style-type: none"> <li>Line, form, colour, texture</li> <li>Balance, contrast, emphasis, unity</li> </ul>                   | <ul style="list-style-type: none"> <li>Create composition using principles</li> <li>Design-based artwork</li> </ul>       |
| <b>July</b>      | Advanced Shading & Realism <ul style="list-style-type: none"> <li>Tonal gradation (full scale)</li> <li>Realistic shading techniques</li> </ul>                                     | <ul style="list-style-type: none"> <li>Draw and shade objects (glass, metal)</li> <li>Create depth and realism</li> </ul> |
| <b>August</b>    | Still Life Drawing (Advanced) <ul style="list-style-type: none"> <li>Complex composition</li> <li>Light source and shadow</li> </ul>                                                | <ul style="list-style-type: none"> <li>Draw detailed still life setup</li> <li>Apply shading and texture</li> </ul>       |
| <b>September</b> | Indian & Contemporary Art <ul style="list-style-type: none"> <li>Madhubani, Gond, Warli (advanced)</li> <li>Introduction to modern art styles</li> </ul>                            | <ul style="list-style-type: none"> <li>Create artwork inspired by styles</li> <li>Fusion art composition</li> </ul>       |
| <b>October</b>   | Perspective Drawing (Application) <ul style="list-style-type: none"> <li>One-point &amp; Two-point perspective</li> <li>Interior/exterior drawing</li> </ul>                        | <ul style="list-style-type: none"> <li>Draw street/interior room scene</li> </ul>                                         |
| <b>November</b>  | Applied Art & Poster Design <ul style="list-style-type: none"> <li>Visual communication</li> <li>Typography (basic)</li> <li>Layout design</li> </ul>                               | <ul style="list-style-type: none"> <li>Poster on social themes</li> <li>Advertisement design</li> </ul>                   |
| <b>December</b>  | Painting Techniques (Advanced) <ul style="list-style-type: none"> <li>Watercolour wash, layering, blending</li> <li>Acrylic painting (intro)</li> <li>Texture techniques</li> </ul> | <ul style="list-style-type: none"> <li>Paint landscape/still life</li> <li>Experiment with acrylic/texture</li> </ul>     |
| <b>January</b>   | Human Figures & Composition <ul style="list-style-type: none"> <li>Proportion and posture</li> <li>Group scenes and activities</li> </ul>                                           | <ul style="list-style-type: none"> <li>Draw realistic human figures</li> <li>Scene with multiple characters</li> </ul>    |
| <b>February</b>  | Portfolio Development & Final Work <ul style="list-style-type: none"> <li>Integration of all concepts</li> <li>Presentation skills</li> </ul>                                       | <ul style="list-style-type: none"> <li>Create final portfolio (best works)</li> <li>Thematic final artwork</li> </ul>     |
| <b>March</b>     | Annual Exams                                                                                                                                                                        |                                                                                                                           |

### Academic Conclusion :

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# Pt. Nagesh Dutt Public School, Ajhara – Lalganj

Session: 2026–27

## Academic Syllabus Class VIII

### Subject : Music

| Month     | Theory (Advanced Concepts)                                                                                                                                                                                | Practical (Activities / Music Work)                                                                                                                                                          |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| April–May | <ul style="list-style-type: none"> <li>Revision of Sargam, Alankar, Raag basics</li> <li>Detailed understanding of Raag structure (note sequence, mood)</li> <li>Voice range and pitch control</li> </ul> | <ul style="list-style-type: none"> <li>Singing Sargam with precision and speed control</li> <li>Alankar practice (advanced patterns)</li> <li>Harmonium: Sargam + Alankar fluency</li> </ul> |
| July      | <ul style="list-style-type: none"> <li>Raag development (structure and application)</li> <li>Ascending and descending patterns in Raag</li> <li>Concept of improvisation (basic idea)</li> </ul>          | <ul style="list-style-type: none"> <li>Singing Raag-based patterns</li> <li>Harmonium: playing Raag phrases</li> <li>Tabla: maintaining taal with consistency</li> </ul>                     |
| August    | <ul style="list-style-type: none"> <li>Detailed taal system (cycles, divisions, emphasis)</li> <li>Understanding rhythm variations</li> </ul>                                                             | <ul style="list-style-type: none"> <li>Clapping complex taal cycles (8/16 beats)</li> <li>Tabla: clear theka with variation (intro)</li> <li>Singing with proper rhythm</li> </ul>           |
| September | <ul style="list-style-type: none"> <li>Composition structure (intro, development, conclusion)</li> <li>Coordination of melody and rhythm</li> </ul>                                                       | <ul style="list-style-type: none"> <li>Singing full compositions (Raag-based)</li> <li>Harmonium accompaniment</li> <li>Tabla coordination with song</li> </ul>                              |
| October   | <ul style="list-style-type: none"> <li>Voice culture (breathing, modulation, projection)</li> <li>Expression and emotional delivery in music</li> </ul>                                                   | <ul style="list-style-type: none"> <li>Voice exercises (note holding, variation)</li> <li>Singing with expression and control</li> <li>Harmonium melody support</li> </ul>                   |
| November  | <ul style="list-style-type: none"> <li>Types of music (classical, folk, devotional – detailed)</li> <li>Music appreciation and listening skills</li> </ul>                                                | <ul style="list-style-type: none"> <li>Singing compositions from different styles</li> <li>Tabla: rhythm with variation</li> <li>Group performance</li> </ul>                                |
| December  | <ul style="list-style-type: none"> <li>Musical instruments (advanced understanding)</li> <li>Role of Harmonium and Tabla in performance</li> </ul>                                                        | <ul style="list-style-type: none"> <li>Harmonium: playing full compositions</li> <li>Tabla: theka with simple variations</li> <li>Instrument coordination</li> </ul>                         |
| January   | <ul style="list-style-type: none"> <li>Notation system (reading and writing fluently)</li> <li>Stage discipline and performance etiquette</li> </ul>                                                      | <ul style="list-style-type: none"> <li>Singing from notation independently</li> <li>Harmonium: playing notation-based compositions</li> <li>Tabla: playing with composition</li> </ul>       |
| February  | <ul style="list-style-type: none"> <li>Application of Raag, taal, and notation in performance</li> <li>Performance preparation and evaluation</li> </ul>                                                  | <ul style="list-style-type: none"> <li>Full performance practice (solo + group)</li> <li>Mock stage presentation</li> </ul>                                                                  |

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