

**SYLLABUS****Delhi Public School , Shaheedpath****Artificial Intelligence(417)****Class IX****Syllabus 2024-25**

Month	ChapterName/Topic	Activity/Practical	Number of Periods	Weightage
April	Communication and self Management Skills	Presentation on Effective Communication	9	3
May	ICT Skills and entrepreneurial skill	Different technologies used for Information sharing and management	15	7
<b>PT1</b>				
July	Introduction to AI - History of AI , AI around us, Domains of AI, Common fields and uses of AI Features of Smart Cities Sustainable development goals, Technical skills in AI	How AI can help you in Daily life , Dream Smart home, AI Quiz Rock paper Scissor (based on data), How AI can be used to achieve SDG	12	10
August	AI Ethics, issues with AI , AI Access, Implication of AI technology Project Cycle- Problem Scoping	AI is beneficial or harmful for the society, Moral Machine Brain storming and setting goals, collecting data for given problem situation	12	5
September	setting goals, understanding and implementing 4W's Canvas, Data Acquisition types and sources of data	Revision + half yearly exams	6	5
October	Data exploration, visualisation tools, Modelling AI , ML, DL types of AI Models	Using graphics tool pixel it	12	5

November	Decision Tree. Neural Network , Application of neural networkFunction of neural network, relation between neural network and nervous system	Making decision tree AI Playground, AI game on Neural Network	12	5
December	Introduction to Python-- Algorithm , Flowchart, features and application of python modes of programming, variables datatype,Print()	Writing Algorithm and Flowcharts, programs based on python	12	4
January	Input()Conditional ststement, Loops- For,While ,nested loops,List	programs based on python	12	6
February	Practice +Annual Exams			
Project +Practical file				15+15
Viva				5
Practical Exam				15
Total				50+50

October	Cascading Style Sheet(CSS)	Applying CSS to Web pages	12	4
November	Cyber security	Presentation on "How internet can be used effectively"	12	10
	Revision+Preboard			
	Project			25
	Viva			5
	Practical Exam			20
	Total			50+50

**Delhi Public School, Shaheedpath**  
**Social Science (2024-25)**  
**Class-IX**

<b>Month</b>	<b>Chapter Name</b>	<b>Activity/ Subject Enrichment</b>
<b>April</b>	History Ch- 1 The French Revolution	Make a project on the political symbols of France.
	Geography Ch-1 India – Size and Location	Individual Activity: Find out the longitudinal and latitudinal extent of any 5 cities including your city.
	Democratic Politics Ch-1 What is Democracy? Why Democracy?	Group Activity : Newspaper Classroom Project. Create a newspaper template and web tool on five Democratic and Non-Democratic Governments
	Economics Ch-1 Story of Village Palampur	Individual Activity Prepare a collage on history of the Green Revolution and also mention the important points.
<b>May</b>	History Ch 1 The French Revolution Ch-2 Socialism in Europe and Russian Revolution	Make a comparison between the passages written by Shaukat Usmani and Rabindranath Tagore on the basis of the sources given in the chapter.
	Geography Ch-1 India – Size and Location	---
	Democratic Politics Ch-1 What is Democracy? Why Democracy?	

	<p>Economics</p> <p>Ch-1 Story of Village</p> <p>Palampur</p>	
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<b>PT-1</b>		
<b>July</b>	History Ch-2 Socialism in Europe and Russian Revolution Ch-3 Nazism and Rise of Hitler	Make a project on Hitler as a 'Messiah' for Germans.
	Geography Ch-2 Physical Features of India	On an outline map of India locate any five peaks, passes, ranges, plateaus, and hills.
	Democratic Politics Ch-2 Constitutional Design	Group Activity (Collage Making): Collect pictures and information about all the makers of the Indian Constitution.
	Economics Ch-2 People as a Resource	Visit a nearby slum area or village and write down a case study of a boy/girl of your age facing the same condition as Villas or Sakal
<b>August</b>	History Ch-3 Nazism and Rise of Hitler	Make a powerpoint presentation on the life history of Hitler
	Geography Ch-3 Drainage	On an outline physical map of India locate any 12 important rivers of India
	Democratic Politics Ch-3 Electoral Politics	Individual Activity : Prepare a PPT on the Election Hostility Barometer (atmosphere during elections)
	Economics Ch-2 People as a Resource	
<b>September</b>	<b>Revision + Half Yearly</b>	
<b>October</b>	History Ch- 4 Forest Society and Colonialism	Make a project on forest society and colonialism

	Geography Ch-4 Climate	Experiment Activity -El Nino and Coriolis force.
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	<p style="text-align: center;">Democratic Politics</p> <p>Ch-4 Working of Institutions</p>	<p style="text-align: center;">Class Group Activity : Mock Parliament</p> <p style="text-align: center;">Individual Activity – (Make a chart of the Cabinet Ministers and Indian Judiciary mentioning their duties)</p>
	<p style="text-align: center;">Economics</p> <p>Ch-3 Poverty as a challenge</p>	<p style="text-align: center;">Individual Activity</p> <p>Survey two economically weaker families in your locality and make a short video or presentation on their condition and requirements.</p>
<b>November</b>	<p style="text-align: center;">History</p> <p>Ch 4 Forest Society and Colonialism</p>	
	<p style="text-align: center;">Geography</p> <p>Ch-5 Natural Vegetation and Wildlife</p>	<p>Diagnostic test on case study of Rajasthan- Ways to conserve forests and wildlife resources.</p>
	<p style="text-align: center;">Democratic Politics</p> <p>Ch-5 Democratic Rights</p>	<p style="text-align: center;">Class group Activity : (Debate)</p> <p style="text-align: center;">Topic : Case study on Keshav Anand Bharti Case</p>
	<p style="text-align: center;">Economics</p> <p>Ch-3 Poverty as a challenge</p> <p>Ch-4 Food Security of India</p>	
<b>December</b>	<p style="text-align: center;">History</p> <p>Ch -5 Pastoralists in the Modern World</p>	
	<p style="text-align: center;">Geography</p> <p>Ch-6 Population</p>	<p style="text-align: center;">Class Activity: Find out how population matters for sustainable growth and development of the country.</p>

	Democratic Politics Revision	
	Economics Ch-4 Food Security of India	Individual Activity Visit a nearby ration shop and answer the given questionnaire.
<b>PT-2</b>		
<b>January</b>	History Ch-5 Pastoralists in the Modern World	
	Geography Revision	
	Democratic Politics Revision	
	Economics Revision	
<b>February</b>	<b>Revision + Annual Examination</b>	

# Yearly Syllabus Breakup

## Class IX

### Session 2024-25

<b>MONTH</b>	<b>COURSE CONTENT</b>	<b>MATHS LAB ACTIVITY</b>
<b>April</b>	1. Number System 2. Polynomials	1. Square roots of Natural numbers
<b>May</b>	3. Factorization of Polynomials 4. Coordinate geometry	2. Algebraic identity: $(a + b)^2 = a^2 + 2ab + b^2$ 3. Factorization of polynomials 4. Algebraic Identities
<b>July</b>	5. Lines and Angles 6. Triangles	5. Mirror image on X – axis and Y – axis
<b>August</b>	7. Congruence of Triangles 8. Linear Equation in two variables	6. Congruent Triangles 7. Geometric Representation of a Linear Equation
<b>September</b>	9. Quadrilaterals	8. Centroid of a Triangle
<b>October</b>	10. Circles	9. Diagonal properties of a parallelogram
<b>November</b>	12. Volume and Surface area of solids	10. Mid – point theorem 11. Area of a circle
<b>December</b>	14. Euclid Geometry 15. Presentation of data in tabular form	12. Area of a Trapezium
<b>January</b>	16. Bar graph, Histogram and frequency polygon 17. Mean, median and mode of ungrouped data 18. Probability	13. Frequency Distribution 14. Head and tail of a coin
<b>February</b>	REVISION	

YEARLY SYLLABUS (2024-25)

SUBJECT-ENGLISH(184)

Class-IX

MONTH	CHAPTERS/TOPICS	ACTIVITY
<p><b>April</b></p>	<p><b>BEEHIVE</b>            Ch -1. The Fun They Had            Ch-2 The Sound of Music            Poem-1 The Road Not Taken  <b>MOMENTS</b>            Ch-1 The Lost Child  <b>GRAMMAR</b>            Tenses</p>	<p>Diary Entry</p>
<p><b>May</b></p>	<p><b>BEEHIVE</b>            Ch-3 The Little Girl            Ch 4. A Truly Beautiful Mind            Poem – 2 Wind            Poem- 3 Rain on the Roof  <b>MOMENTS</b>            Ch 2. The Adventures of Toto  <b>GRAMMAR</b>            Modals            Subject Verb Concord  <b>WRITING SKILLS</b>            Letter to editor</p>	<ul style="list-style-type: none"> <li>• Writing a Haiku</li> </ul>
<p><b>July</b></p>	<p><b>BEEHIVE</b>            Ch 5. The Snake and The Mirror            Ch 7. Reach For The Top            Poem – 1. A Legend of Northland                              2. On Killing a Tree  <b>MOMENTS</b>            Ch 3. Iswaran – The Storyteller            Ch 5. The Happy Prince  <b>WRITING SKILLS-</b>            Paragraph Writing  <b>GRAMMAR</b>            Revision – Non-Finites (Infinitives, Gerunds,            Participles)            Reported Speech – Statements</p>	<ul style="list-style-type: none"> <li>• Story Writing</li> <li>• Biographical Sketch (Reading and Writing)</li> <li>• Poster Making Activity (Save Trees)</li> </ul>

<b>August</b>	<b>BEEHIVE</b> Ch 8. Kathmandu Poem – 1. A Slumber Did My Spirit Seal <b>MOMENTS</b> Ch 7. A House is not a Home <b>WRITING SKILLS</b> Letter - Formal <b>GRAMMAR</b> Editing and Omission Reported Speech – Interrogative Phrasal Verbs and Prepositional Phrases (Revision)	<ul style="list-style-type: none"> <li>• Travelogue</li> <li>• Dairy Entry</li> </ul>
<b>September</b>	Revision	
<b>October</b>	<b>BEEHIVE</b> Ch 9- If I were You Poem -1. No Men Are Foreign <b>MOMENTS</b> Ch 8 -The Beggar Ch 4. In The Kingdom of Fools <b>WRITING SKILLS-</b> Story Writing <b>GRAMMAR</b> Active and Passive Voice – Revision Reported Speech (Imperative & Exclamatory)	<ul style="list-style-type: none"> <li>• Role Play.</li> </ul>
<b>November</b>	<b>BEEHIVE</b> Ch 6. My Childhood Poem – 1. The Lake Isle of Innisfree <b>MOMENTS</b> Ch 6. The Last Leaf <b>WRITING SKILLS</b> Letter for placing an order <b>GRAMMAR</b> Clauses – Noun, Adverb, Clauses of condition and Time, Relative Clauses Prepositions	<ul style="list-style-type: none"> <li>• Interpreting Pictures</li> <li>•Diary Entry</li> </ul>
<b>December</b>	Revision	

**SANSKRIT CLASS IX (2024-25)**

	अप्रैल/मई	जुलाई	अगस्त/सितम्बर	अक्टूबर/नवंबर	दिसम्बर	जनवरी/फरवरी
शेमुषी	1-भारतीयसन्तगीतिः	3-गोदहनम्	5- सूक्तिमौक्तिकम्	7-प्रत्यभिज्ञानम्	9-सिकतासेतुः	11-पर्यावरणम्
	2-स्वर्णकाकः	4-कल्पतरुः	6- भ्रान्तो बालः	8-लौहतुला	10-जटायोः शौर्यम्	12-वाङ्मनः प्राणस्वरूपम्
						पुनरावृत्ति
संस्कृत व्याकरण	महेश्वर सूत्र, प्रत्याहार	शब्दरूपाणि, धातुरूपाणि	स्वर संधि	समास-प्रकरणम्	उपसर्ग, प्रत्यय	अपठित अवबोधनम्
श्रवण/वाचन कौशल	पाठ वाचन, संख्या	श्लोकाः	विलोमशब्दाः, समानार्थी	श्लोकाः	संवाद	
रचनात्मक लेखन	अपठित अवबोधनम्	पत्र लेखन (औपचारिक)	संवादाः	पत्र लेखन (अनौपचारिक)	संस्कृत अनुवाद	अनुच्छेद लेखन
क्रिया-कलाप	भारतवर्ष की विशेषताओं को प्रकट करते हुए पाँच वाक्य संस्कृत में लिखिए।	किन्हीं पाँच वाद्ययंत्रों के चित्र बनाकर उनके नाम लिखिए।		समय के महत्व को दर्शाते हुए स्वरचित कहानी संस्कृत में लिखिए।		पाठ 12 के सारांश पाँच वाक्य संस्कृत में लिखिए।

# Delhi Public School, Shaheedpath

## Subject: Hindi

### Class-IX

### Syllabus 2024-25

माह	पाठ का नाम	क्रिया कलाप / गतिविधि
अप्रैल	पाठ 1 - दो बैलों की कथा पाठ 9 - सखियाँ पाठ 1 - उपसर्ग / प्रत्यय ( व्याकरण )	छात्रों के माध्यम से दोहा वाचन कराना ।
मई	पाठ 2 - ल्हासा की ओर पाठ 10 - वाख पाठ 2 - अर्थ के आधार पर वाक्य भेद ( व्याकरण )	तिब्बत की भौगोलिक स्थिति पर एक अनुच्छेद लिखिए।
जुलाई	पाठ 3 - उपभोक्तावाद की संस्कृति पाठ 11 - सवैया पाठ 1 इस जल प्रलय में ( कृतिका )	प्राकृतिक आपदा से होने वाली हानियाँ एवं उसके प्रबंधन पर चर्चा परिचर्चा।
अगस्त	पाठ 4 सांवले सपनों की याद पाठ 12 - कैदी और कोकिला	विज्ञापन लेखन
सितंबर	पाठ 3- समास पाठ 6 प्रेमचंद के फटे जूते	प्रेमचंद की रचनाओं की एक सूची तैयार करें ।

अक्टूबर	पाठ 13 - ग्रामश्री पाठ 4 अलंकार	
नवंबर	पाठ 7 - मेरे बचपन के दिन पाठ 13 मेघ आए	औपचारिक/ अनौपचारिक पत्र
दिसम्बर	पाठ 17 बच्चे काम पर जा रहे हैं पाठ 2 - मेरे संग की औरतें	सूचना लेखन
जनवरी	पाठ 3 रीढ़ की हड्डी ( कृतिका ) पुनरावृत्ति	

Delhi Public School, Shaheedpath

Science

Class-IX

Syllabus 2024-25

Month	Chapter name	Activity/Practical
April	The Fundamental Unit of Life	Group discussion about the different organelles present in life
	Matter in our surroundings	Make a PPT presentation on three states of Matter. Group discussion of diffusion in solids, liquids and gases
	Motion	Group activity conducted using toy cars, graph paper, meter scale etc.
May	Fundamental unit of life	To make a temporary slide of onion peel to study about plant Cell
	Matter in our surroundings	
	Motion	
July	Plant tissues	Preparation of: 1. A true solution of common salt, sugar and alum. 2. A suspension of soil, chalk powder and fine sand in water 3. A colloidal solution of starch in water and milk 4. Comparison of characteristics true solution and colloidal solution.
	Is Matter around us Pure?	

	Force and Laws of Motion	
August	Animal Tissues Is Matter around us Pure ? Force and Laws of motion	Showing different plant and animal specimens  To show different properties of solution, suspension and colloidal solution
September		
October	Improvement in food resources  Atoms and Molecule  Gravitation and Floatation	To make a list of Rabi and Kharif crops grown in India  Make a list of the elements along with symbols and valency, writing chemical formula and calculation of mol. mass.  Experiment to verify Archimedes' principle.
November	Improvement in food resources  Atoms and Molecules	Group activity -  Make a power point presentation on crop production improvement

	Work and Energy	Group activity- Identifying the different forms of energy and their inter conversion
December	Animal husbandary  Structure of the Atom        Sound	Collect the list of hybrid breed of Cow, buffalo and poultry birds  Draw the schematic Atomic structure of the first 20 Elements representing the No. of electrons in each shell along with their electronic configuration.  Model making to show application of reflection of sound in daily life
January	Biology:- Revision  Chemistry:-  Revision  Sound	Verification Of laws of reflection of sound
February	Revision + Annual Examination	