



D.A.V. PUBLIC SCHOOL,NERUL

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SYLLABUS 2022-23

CLASS IX

D.A.V. PUBLIC SCHOOL, NERUL
ACTIVITY LIST (2022-23)
FOR STD. VIII, IX & X

Month	Date	Day	Activity	
March, 2022	28/03/2022	Monday	New Academic Session begins for Std. X (2022-2023)	
	31/03/2022	Thursday	New Academic Session begins for Std. VIII & IX (2022-2023)	
April, 2022	23/04/2022	Saturday	Celebrating Shakespeare	
May, 2022	02/05/2022	Monday	} Summer Vacation	
	to	to		
	10/06/2022	Friday		
June, 2022	13/06/2022	Monday	School Reopens	
	21/06/2022	Tuesday	Yoga Day Celebration	
	24/06/2022	Friday	Self-composed Poetry Writing	
	25/06/2022	Saturday	I Parent-Teacher Interaction\	
	30/06/2022	Wednesday	Prefectorial Board Selection	
July, 2022	01/07/2022	Friday	Paper Quilling / Mandala Art Competition	
	30/06/2022	Wednesday	Prefectorial Board Selection	
	18/07/2022	Monday	} Periodic Test - 1	
	to	to		
	23/07/2022	Friday		
		29/07/2022	Friday	Umbrella/T-Shirt Painting Competition
August, 2022	06/08/2022	Saturday	II Parent Teacher Interaction (Review of Periodic Test -1)	
	12/08/2022	Friday	Discover India Quiz Competition	
	08/08/2022	Monday	} Subject Enrichment Activities - 1	
	to	to		
	12/08/2022	Friday		
		15/08/2022	Monday	Independence Day Celebration
		26/08/2022	Friday	Hindi Doha Competition
September, 2022	31/08/2022	Wednesday	} Multiple Assessment -2	
	to	to		
	07/09/2022	Wednesday		
		05/09/2022	Monday	Teacher's Day Celebration
		09/09/2022	Friday	Solo Singing Competition
		19/09/2022	Monday	} Term 1
	to	to		
	30/09/2022	Friday		

October, 2022	01/10/2022	Saturday	Gandhi Jayanti Celebration
	07/10/2022	Friday	Collage & Inforgraphic Making Competition
	14/10/2022	Friday	Rangoli Competition
	15/10/2022	Saturday	III Parent-Teacher Interaction (Review of Term 1 exam)
	17/10/2022	Monday	} Diwali Vacation
	to	to	
	29/10/2022	Saturday	
November	14/11/2022	Monday	} Multiple Assessment -3
	to	to	
	19/11/2022	Saturday	
	25/11/2022	Friday	Reduce, Reuse and Recycle Competition
December, 2022	12/12/2022	Monday	} Periodic Test - 3
	to	to	
	23/12/2022	Friday	} Christmas Vacation
	24/12/2022	Saturday	
January, 2023	01/01/2023	Sunday	} Preliminary Exam for Std. VIII & X
	02/01/2023	Monday	
	07/01/2023	Saturday	IV Parent-Teacher Interaction (Review of Periodic Test - 3)
	16/01/2023	Monday	} Preliminary Exam for Std. VIII & X
	to	to	
	21/01/2023	Saturday	} Subject Enrichment Activities - 2 (Class IX)
	17/01/2023	Tuesday	
	to	to	
	21/01/2023	Saturday	} Subject Enrichment Activities - 2 (Class IX)
26/01/2023	Thursday		
February, 2023	30/01/2023	Monday	} Subject Enrichment Activities - 2 (Class VIII & X)
	to	to	
	04/02/2023	Saturday	
	10/02/2023	Friday	Parent-Teacher Interaction for Preliminary Exam of Std. VIII & X
	3rd Week	(Tentative)	Yearly Exam for Std. VIII, IX & X
March, 2023	3rd Week	Saturday	Result for Class IX
	4th Week		New Academic Session Begins for Std. X (2023-2024)
	4th Week		V Parent-Teacher Interaction (Review of yearly Exam Class VIII)
April, 2023	1st week	(Tentative)	New Academic Session begins for Std. VIII & IX (2023-2024)
May, 2023	01/05/2023	Monday	School closes for Summer Vacation
Specific details regarding competitions shall be given in the classroom.			

INDEX

1. Science
2. Maths
3. Social Studies
4. English
5. Hindi
6. Sanskrit
7. Marathi
8. Artificial Intelligence / Information Technology
9. Subject Enrichment Activities

- ❖ ***I Term Exam shall include Periodic Test - I Portion***
- ❖ ***Annual Examination shall include the entire syllabus***

Subject – Science

Physics

<u>April</u>	:	Motion (First half)
<u>June</u>	:	Motion (Second half) Force and laws of motion (First half)
<u>July</u>	:	Periodic Test - I Force and laws of motion (Second half)
<u>August</u>	:	Work and Energy Power
<u>September</u>	:	Gravitation Periodic Test - II
<u>October</u>	:	Floatation
<u>November</u>	:	Sound (First half)
<u>December</u>	:	Periodic Test - III
<u>January</u>	:	Sound (Second half)
<u>February</u>	:	Annual Examination

Practicals

1. To determine the density of a solid. (denser than water by using a spring balance and a measuring cylinder)
2. To establish the relation between the loss in weight of a solid when fully immersed in tap water and strongly salt water with the weight of water displaced by it by taking at least two different solids.
3. To verify laws of reflection of sound
4. To determine the velocity of a pulse propagated through a stretched string / slinky.

PORTION FOR MULTIPLE CHOICE QUESTIONS

The practical skill based multiple choice question paper will be based on the list of experiments included in class IX portion.

Chemistry

<u>April</u>	:	Matter in our surroundings (First half)
<u>June</u>	:	Matter in our surroundings (Second half)
<u>July</u>	:	Periodic Test - I Is matter around us pure (First half)
<u>August</u>	:	Is matter around us pure (Second half)
<u>September</u>	:	Periodic Test - II
<u>October</u>	:	Atoms & Molecules (First half)
<u>November</u>	:	Atoms & Molecules (Second half)
<u>December</u>	:	Periodic Test - III
<u>January</u>	:	Structure of Atom
<u>February</u>	:	Annual Examination

Practicals (Chemistry)

1. Melting point and boiling point
2. Solutions, Colloids and Suspensions
3. Mixture and Compounds
4. Law of conservation of mass
5. Types of chemical reactions

Biology

<u>April</u>	The fundamental unit of life (First half)
<u>June</u>	The fundamental unit of life (Second half)
<u>July</u>	Periodic Test - I Tissues
<u>August</u>	Tissues (half)
<u>September</u>	Periodic Test - II
<u>October</u>	Improvement in food resources (First half)
<u>November</u>	Improvement in food resources (Second half)

<u>December</u>	Periodic Test - III
<u>January</u>	Natural Resources (Portfolio)
<u>February</u>	Annual Examination

Syllabus for Biology Practicals
List of Experiments

1. To prepare stained temporary mounts of Human cheek cells & onion peel & record observations and draw labelled diagrams.
2. To identify parenchyma and sclerenchyma tissue (plants), striped muscle fibres and nerve cells in animals, from prepared slides and to draw their labelled diagrams.

Subject : Mathematics

<u>April</u>	Number System Polynomials
<u>June</u>	Polynomials (contd.) Heron's Formula Coordinate Geometry
<u>July</u>	Periodic Test - I Introduction to Euclid's Geometry Lines and Angles Triangles
<u>August</u>	Triangles (contd.) Circles
<u>September</u>	Linear Equations in two variables Surface Area and Volumes Periodic Test - II
<u>October</u>	Surface Area and Volumes (contd.) Quadrilaterals
<u>November</u>	Quadrilaterals (contd.)

<u>December</u>	Periodic Test - III
<u>January</u>	Statistics
<u>February</u>	Annual Examination

Subject : Social Studies

April

History	The French Revolution
Geography	India - Size and Location
Economics	The story of village Palampur
Political Science	What is Democracy? Why Democracy?

June

History	The French Revolution (contd.)
Geography	Physical Features of India
Economics	The story of village Palampur (contd.)

July

Periodic Test - I

History	Socialism in Europe & the Russian Revolution
Political Science	Constitutional Design
Geography	Drainage
Economics	People as Resource

August

History	Socialism in Europe & The Russian Revolution (contd.)
Geography	Climate
Political Science	Electoral Politics
Economics	Poverty as a Challenge

September

Revision of Lessons

Periodic Test - II

October

History	Nazism and the Rise of Hitler
Geography	Natural Vegetation
Political Science	Working of Institutions
Economics	Poverty as a challenge (contd.)

November

History	Nazism and the Rise of Hitler (contd.)
Geography	Population
Political Science	Democratic Rights
Economics	Food Security

December

Periodic Test - III

January

History	Forest society and colonialism
Geography	Population (contd.)
Political Science	Democratic Rights (contd.)
Economics	Food Security (contd.)

February

Annual Examination

Subject : English

April

Literature	- The Fun They Had The Road Not Taken
Grammar	- Tenses

June

Literature	- Wind The Sound of Music
Supplementary	- The Lost Child The Adventures of Toto
Grammar	- Modals

July

Literature	- Periodic Test - I Rain on the Roof A Truly Beautiful Mind The Little Girl
Grammar	- Reported Speech

August

Literature	- My Childhood The Snake and the Mirror The Lake Isle of Innisfree
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Supplementary - Happy Prince
Iswaran the Story Teller

September

Literature - A Legend of the Northland
Grammar - Subject Verb Concord

Periodic Test - II

October

Literature - No Men Are Foreign
Reach For The Top
Supplementary - The Last Leaf
In the Kingdom of Fools

November

Literature - On Killing A Tree
Kathmandu
Grammar - Determiners

December

Literature - A House is not a Home
Grammar - Determiners
Periodic Test - III

January

Literature - Slumber Did My Spirit Seal
If I Were You
Supplementary - The Beggar

February - **Annual Examination**

Subject : Hindi

पाठ्यपुस्तके - १. स्पर्श भाग - १
२. संचयन भाग - १

April

पाठ रैदास के पद
दुःख का अधिकार
व्याकरण वर्ण और वर्तनी

शब्द निर्माण (उपसर्ग-प्रत्यय)
शब्द-पद, अनुच्छेद लेखन

June

पाठ

गिल्लू
एवरेस्ट मेरी शिखर यात्रा

व्याकरण

वर्ण और वर्तनी
अनुस्वार, अनुनासिक
नुक्ता, मुहावरे
अपठित गद्यांश/पद्यांश
उपसर्ग प्रत्यय, अनुच्छेद लेखन

July

पाठ

Periodic Test - I

रहीम-दोहे
तुम कब जाओगे, अतिथि
आदमी नामा (कविता)

व्याकरण

स्मृति
पर्यायवाची, विलोम
अनेकार्थी
विरामचिन्ह
स्वर-संधि
अनुच्छेद लेखन

August

पाठ

कल्लू कुम्हार की उनाकोटी
मेरा छोटा-सा निजी पुस्तकालय

व्याकरण

अपठित गद्यांश/पद्यांश
अनुच्छेद लेखन
संवाद-लेखन
विज्ञापन
दृश्य-वर्णन
पत्र-लेखन (अनौपचारिक पत्र)
अर्थ के आधार पर वाक्य भेद

Periodic Test - II

September

पाठ	वैज्ञानिक चेतना के वाहक (केवल पढ़ने के लिए) गीत-अगीत
व्याकरण	मुहावरे वाक्य के अंग संधि विरामचिन्ह उपसर्ग - प्रत्यय

October

पाठ	अग्निपथ
व्याकरण	अनुच्छेद पत्र-लेखन (अनौपचारिक)

November

पाठ	शुक्रतारे के समान
व्याकरण	विराम चिह्न अनुच्छेद अपठित गद्यांश/पद्यांश संवाद लेखन

December

Periodic Test - III

January

पाठ	नए इलाके में ... खुशबू रचते हैं हाथ ...
व्याकरण व लेखनकार्य	दृश्य-वर्णन, अनुच्छेद, संवाद, पत्र, चित्र वर्णन

February

Annual Examination

पुनरावृत्ति

Subject : Sanskrit

April

शेमुषी

प्रथमः पाठः - भारती वसन्तगीतिः

अभ्यासवान भव

१. संस्कृतवर्णमाला, उच्चारण-स्थान
२. रूपलेखनम् पठ्, बालक, लता, फल, अस्मद्, युष्मद्
३. वचन और पुरुष ज्ञान

June

शेमुषी

द्वितीय पाठः - स्वर्णः काकः

तृतीयः पाठः - गोदोहनम्

अभ्यासवान भव

१. स्वर संधि
दीर्घ
गुण
वृद्धि
३. शब्दरूपाः
पुल्लिंग उकारान्त - साधु
इकारान्त - मुनि
स्त्रीलिंग नदी, सर्वनामरूप - तत् तीनों लिंग
किम् - तीनों लिंग
४. धातुरूप - अस् (पञ्च लकारेषु)
५. संस्कृते अनुवाद लेखनम् (लट् लकारे)
६. पत्र लेखनम् (औपचारिक अनौपचारिक च)
७. चित्राधारितं वर्णनम्, अनुच्छेद लेखनम् च)

July

शेमुषी

Periodic Test - I

चतुर्थः पाठः - कल्पतरुः

पञ्चमः पाठः - सूक्तिमौक्तिकम्

अभ्यासवान भव

१. उपपद विभक्ति - द्वितीया - समया, प्रति, धिक्, विना, अभितः, परितः, उभयतः, निकषा
२. अपठित गद्यांश - प्रश्नोत्तर लेखनम्
३. चित्रवर्णनम् - संस्कृत वाक्य लेखनम्
४. पत्र लेखनम् - मञ्जुषातः सहायतया पत्र लेखनम्

५. स्वर संधि - यण्, अयादि
६. व्यञ्जनसंधि - प्रथम वर्णस्य, तृतीय वर्णे परिवर्तनम्

August

शेमुषी

अभ्यासवान भव

षष्ठः पाठः - भ्रान्तो बालः

१. पुलिंग शब्दरूप - साधु, पितृ
नपुंसकलिंग - इकारान्त - वारि
स्त्रीलिंग - मातृ
२. तृतीया उपपदविभक्ति - विना, अलम्, सह, साकम्,
समम्, सार्धम्, अंग विकारः
३. प्रत्यय - तुमुन्, क्त्वा, ल्यप्
४. धातुरूप - कृ (पञ्चलकारेषु)
५. पत्रलेखनम्
६. अपठित गद्यांशम्
७. चित्रवर्णनम् / अनुच्छेद लेखनम्

September

शेमुषी

अभ्यासवान भव

अष्टमः पाठः - लौहतुला

१. धातुरूपाणि - सेव् धातु (लट्, लृट्, लङ्ग लकारे)
२. चतुर्थी उपपद विभक्ति - कुप्, स्वस्ति, नमः, रुच्, दा
(यच्छ्, स्वाहा)
३. संस्कृत-हिन्दी अनुवाद
४. पत्र लेखनम्
५. उपसर्गाः - आ, वि, प्रति, उप, अनु, निर्
६. संख्यावाचक शब्दाः- एकतः चतुर्पर्यन्तम् (त्रिषु लिंगेषु)

Revision for Term Portion

Periodic Test - II

October

शेमुषी

अभ्यासवान भव

नवमः पाठः - सिकता सेतुः

१. पञ्चमी उपपद - विभक्ति, विना, बहिः, भी, रक्ष्, विना
२. धातुरूप - लभ् - (लट्, लृट्, लङ्ग लकारे)

November

शेमुषी

दशमः पाठः - जटायोः शौर्यम्

अभ्यासवान भव

१. सर्वनाम शब्दाः - तत्, किम् (त्रिषु लिंगेषु)
२. संख्यालेखनम् - १ ते ५० (एकतः- पञ्चादश पर्यन्तम्)
३. प्रत्यययाः - क्तवतु
४. संस्कृत भाषायाम् अनुवादम्
५. पत्र लेखनम्
६. चित्रवर्णनम्/ अनुच्छेद लेखनम्
७. अपठित गद्यांशम्
८. सर्वनामरूप - भवत् - पु., स्त्री
९. विसर्ग संधि - उत्त्वम्, सत्वम् च

December

Periodic Test - III

शेमुषी

एकादशः पाठः - पर्यावरणम्

अभ्यासवान भव

१. उपपद विभक्ति
षष्ठी - अन्तः, उपरि, पुरतः, अधः, पृष्ठतः
सप्तमी - स्निह, निपुण, विश्वस्, चतुरः, प्रवीणः
२. उपसर्गाः - अव, प्र, अप, अधि, नि, आदयः २२ उपसर्गाः
३. प्रत्यय - शानच्
४. संख्यालेखन - एकपञ्चाशत् - शत पर्यन्तम् (51 to 100)

January

शेमुषी

१. सुक्ति मौक्तिकम्

२. जटायोः शौर्यम्

अभ्यासवान भव

१. संस्कृत भाषायां अनुवादम्
२. पत्र-लेखनम्
३. चित्रवर्णनम्
४. अपठित गद्यांशम्
५. प्रत्ययाः - क्तवतु प्रत्यय

February

Final Exam

Subject : Marathi

April

- कविता १. सर्वात्मका शिवसुंदरा (वाचनासाठी)
२. संतवाणी - अ) भेटी लागी जीवा
- व्याकरण १. शब्दांच्या जाती
२. वचन, लिंग

June

- पाठ १. 'बेटा, मी ऐकतो आहे!'
२. जी. आय. पी. रेल्वे
- स्थूलवाचन व्हेनिस
निबंध लेखन

July

Periodic Test - I

- पाठ १. ऑलिंपिक वर्तुळांचा गोफ
- कविता १. व्यायामाचे महत्त्व
- व्याकरण काळ
- निबंधलेखन

August

- पाठ १. दिव्याच्या शोधामागचे दिव्य
- कविता १. आ) संतकृपा झाली
- व्याकरण १. वाक्याचे प्रकार
- पत्रलेखन

September

- निबंधलेखन
पत्रलेखन

Periodic Test - II

October

- पाठ आभाळातल्या पाऊलवाटा
- व्याकरण समास, शब्दांच्या जाती
- कथालेखन

November

पाठ	माझे शिक्षक व संस्कार
कविता	तिफन
स्थूलवाचन	विश्वकोश
व्याकरण	समास, वाक्य शुद्ध करा

December **Periodic Test - III**

पत्रलेखन

January

पाठ	शब्दांचा खेळ
व्याकरण संपूर्ण अभ्यासक्रम (Revision)	
निबंधलेखन	

February **Annual Examination**

Subject : Artificial Intelligence / Information Technology

ARTIFICIAL INTELLIGENCE (CODE 417)

Total Marks: 100 (Theory-50 + Practical-50)

	Term	Units	Month
	Employability Skills		
PART A	Term I	Unit 1 : Communication Skills-I	April - August
		Unit 2 : Self-Management Skills-I	
		Unit 3 : ICT Skills-I	
	Term II	Unit 4 : Entrepreneurial Skills-I	October - December
Unit 5 : Green Skills-I			
	Subject Specific Skills (AI)		
PART B	Term I	Unit 1: Introduction to AI	June
		Unit 2: AI Project Cycle	June - July
	Term II	Unit 3: Neural Network	August - September
		Unit 4: Introduction To Python	October - January

INFORMATION TECHNOLOGY (SUBJECT CODE - 402)**Total Marks: 100 (Theory-50 + Practical-50)**

	Term	Units	Month
	Employability Skills		
PART A	Term I	Unit 1 : Communication Skills-I	April - August
		Unit 2 : Self-Management Skills-I	
		Unit 3 : ICT Skills-I	
	Term II	Unit 4 : Entrepreneurial Skills-I	October - December
		Unit 5 : Green Skills-I	
	Subject Specific Skills (AI)		
PART B	Term I	Unit 1: Introduction to IT- ITeS industry	June
		Unit 2: Data Entry & Keyboarding Skills	July
		Unit 3: Digital Documentation	August
	Term II	Unit 4:Electronic Spreadsheet	September - November
		Unit 5: Digital Presentation	November - January

INTERNAL ASSESSMENT (20 MARKS)

S.No.	Details	Marks
1.	Periodic Test - Pen & Paper Test (Average of the best 2 scores reduced to 5 marks)	5
2.	Multiple Assessment - Class Tests, Quiz, Role Play, Cross Words, Oral Test, Group Discussion, Debates etc	5
3.	Subject Enrichment Activities Languages - Assessment of Speaking & Listening Skills (ASL) Maths - Maths Lab Activities / Experiments Science - Art Integration Activity S.St. - Project Work	5
4.	Portfolio - Activities and Assignments Reflections, Journals etc., Achievements of student in the subject Participation in different activities	5

*** Details of the activities shall be given in the class.**