



D.A.V. PUBLIC SCHOOL,NERUL

Plot No. 34, Sector-48, Nerul,

Navi Mumbai-400 706

Phone : 27714017, 27713543

Fax : 27714016

Website : www.davnerul.com

Email : davnerul@gmail.com

SYLLABUS 2022-23

CLASS X

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	to		
	01/01/2023	Sunday	
	02/01/2023	Monday	School re-opens
	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		
26/01/2023	Thursday	Republic Day Celebration	
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. Computer
9. Subject Enrichment Activities

❖ *1 Term Exam shall include Periodic Test - I Portion*

❖ *Annual Examination shall include the entire syllabus*

Subject – Science

Physics

<u>April</u>	:	Light - Reflection
<u>June</u>	:	Light - Refraction
<u>July</u>	:	Human Eye and the colourful world - Refraction and Dispersion through the prism
		Periodic Test - I
		Human Eye Structure and Function Defects of Vision
<u>August</u>	:	Scattering Applications Electricity
<u>September</u>	:	Electricity (contd.)
		Periodic Test - II
<u>October</u>	:	Magnetic effects of electric current
<u>November</u>	:	Magnetic effects of electric current (contd.)
		Revision
<u>December</u>	:	Revision
		Periodic Test - III
<u>January</u>	:	Preliminary Examination - I
<u>February</u>	:	Revision
<u>March</u>	:	Annual Exam

Practical (Physics)

1. To determine the focal length of
 - a. Concave mirror
 - b. Convex lensby obtaining the image of a distant object.
2. To trace the path of a ray of light passing through a rectangular glass slab for different angles of incidence. Measure the angle of incidence, angle of refraction, angle of emergence and interpret the result.

3. To trace the path of a ray of light through a glass prism and measure the angle of deviation.
4. To study the dependence of current (I) on the potential difference (V) across a resistor and determine its resistance. Also plot a graph between V and I.
5. To determine the equivalent resistance of two resistors when connected in series and parallel.

Chemistry

<u>April</u>	:	Chemical Reactions and Equations (1 st half)
<u>June</u>	:	Chemical Reactions and Equations (2 nd half) Acids, Bases and Salts (Pg. No. 25)
<u>July</u>	:	Acids, Bases and Salts Periodic Test - I
<u>August</u>	:	Metals and Non-metal
<u>September</u>	:	Periodic Test - II
<u>October</u>	:	Carbon and its compounds (Pg. No. 71)
<u>November</u>	:	Carbon and its compounds (pg. No. 78)
<u>December</u>	:	Revision Periodic Test - III
<u>January</u>	:	Preliminary Examination - I
<u>February</u>	:	Revision
<u>March</u>	:	Annual Exam

Practicals (Chemistry)

1. Types of chemical reactions
2. Properties of Acids and Bases
3. pH of the solutions
4. Reactivities of metals
5. Properties of Acetic acid
6. Hard and soft water

Biology

<u>April</u>	Life Processes (half)
<u>June</u>	Life Processes (half)
<u>July</u>	Periodic Test - I Control and co-ordination (half)
<u>August</u>	Control and co-ordination (half)
<u>September</u>	How do organism reproduce (half) Periodic Test - II
<u>October</u>	How do organism reproduce (half) Heredity (half)
<u>November</u>	Heredity (half) Our Environment
<u>December</u>	Revision Periodic Test - III
<u>January</u>	Preliminary Examination - I
<u>February</u>	Revision
<u>March</u>	Annual Exam

Practicals (Biology)

1. To prepare a temporary mount of a leaf peel to show stomata.
2. To show experimentally that Carbon dioxide is given out during respiration.
3. To study
 - a) Binary fission in Amoeba and
 - b) Budding in yeast with the help of prepared slides.
4. To identify the different parts of an embryo of a dicot seed (pea, gram or red kidney bean)

Subject : Mathematics

<u>March</u>	Polynomials
<u>April</u>	Real Numbers Pair of linear equations in two variables
<u>June</u>	Pair of linear equations in two variables (contd.) Introduction to Trigonometry
<u>July</u>	Triangles Periodic Test - I
<u>August</u>	Probability Area Related to circles Coordinate Geometry
<u>September</u>	Circles Some applications of Trigonometry Periodic Test - II
<u>October</u>	Quadratic Equations Arithmetic Progressions
<u>November</u>	Surface areas and volumes Statistics
<u>December</u>	Statistics (contd.) Revision Periodic Test - III
<u>January</u>	Preliminary Examination - I
<u>February</u>	Revision
<u>March</u>	Annual Exam

Subject : Social Studies

<u>April</u>	
Economics	The Story of Development
Geography	Resources and Development Forest and wildlife
Political Science	Power Sharing Federalism

June

History	The rise of Nationalism in Europe
	Economics Sectors of Indian Economy
Geography	Water Resources
Political Science	Federalism (contd.)

July

Periodic Test - I

History	Nationalism in India
Economics	Sectors of Indian Economy
Geography	Agriculture
Political Science	Gender Religion And Caste

August

History	The making of a Global World
Economics	Money and Credit
Geography	Minerals and Energy Resources
Political Science	Political Parties

September

History	The age of Industrialization
Geography	Manufacturing Industry
Economics	Globalisation

Periodic Test - II

October

History	Print Culture and the Modern World
Economics	Globalisation and the Indian Economy
Geography	Manufacturing Industries (contd.)
Political Science	Outcomes of Democracy

November

Geography	Lifelines of National Economy
Economics	Consumer Awareness (for project only)
Political Science	Outcomes of Democracy (contd.)

December

Revision

Periodic Test - III

January

Preliminary Examination - I

February

Revision

March

Annual Exam

Subject : English

April

Reader

A Letter to God

Dust of Snow

Fire and Ice

Sup

A Triumph of Surgery

Grammar

Tenses

June

Reader

A Tiger in the Zoo

Nelson Mandela

Two Stories about Flying

Sup

The Thief's Story

July

Periodic Test - I

Reader

How to Tell Wild Animals

The Ball Poem

From the Diary of Anne Frank

Amanda

Sup

The Midnight Visitor

August

Reader

Glimpses of India

The Trees

Sup

A Question of Trust

Footprints without Feet

Grammar

Reported Speech

Determiners

September

Sup The Making of a Scientist
Grammar Subject Verb Concord

Periodic Test - II

October

Reader Mijbil the Otter
Fog
Madam Rides the Bus
The Tale of Custard the Dragon
Sup The Necklace

November

Reader The Sermon at Benares
For Anne Gregory
The Proposal
Sup Bholi
Grammar Modals

December

Sup The Book That Saved the Earth
Revision
Periodic Test - III

January **Preliminary Examination - I**

February **Revision**

March **Annual Exam**

Subject : Hindi

पाठ्यपुस्तकें

- १) स्पर्श भाग – २
- २) संचयन भाग – २

April

पाठ बड़े भाई साहब
व्याकरण शब्द और पद, पदबंध
आधारभूत व्याकरण

पत्रलेखन (औपचारिक)

अनुच्छेद लेखन

June

पाठ

डायरी का एक पन्ना

साखी

व्याकरण

समास

मुहावरे

July

Periodic Test - I

पाठ

तताँरा वामीरों कथा

मीरा के पद

मनुष्यता

हरिहर काका

व्याकरण

अपठित गद्यांश

सूचना लेखन

August

पाठ

पर्वत प्रदेश में पावस

तोप

सपनों के से दिन

व्याकरण

वाक्य रूपांतरण

विज्ञापन

September

पाठ

तीसरी कसम के शिल्पकार शैलेंद्र

कर चलें हम फ़िदा

व्याकरण

कहानी लेखन

ई-मेल लेखन

Periodic Test - II

October

पाठ

पतझर में टूटी पत्तियाँ

आत्मत्राण

अब कहाँ, दूसरों के दुख से दुखी होने वाले

व्याकरण

पुनरावलोकन

November

पाठ	टोपी शुक्ला कारतूस आत्मत्राण
व्याकरण	पुनरावलोकन

December

Periodic Test - III

January

Preliminary Exam - I

February

Revision

March

Annual Exam

Subject : Sanskrit

March

व्याकरणम्	१. शब्द रूप - बालक, लता, फल, मुनि, मति, साधु
	२. सर्वनाम रूप - अस्मद्, युष्मद् किम् - तीनों लिंग तत् तीनों लिंग
	३. धातुरूप - पठ् - पाँचो लकार सेव् - तीनो लकार (लट्, लङ्ग, लृट् लकारे)
	४. उपपद विभक्ति - द्वितीया, तृतीया, चतुर्थी - पञ्चमी, षष्ठी, सप्तमी
	५. अनुवाद - लट् लकारे
	६. पुरुष, वचन, वाक्य-निर्माण - नियमानि अवबोधनम्

April

पाठाः	शेमुषी - २
व्याकरणम्	१. शुचिपर्यावरणम् १. अपठित गद्यांशम् २. पत्र - लेखनम् ३. संस्कृते अनुवाद-कार्यम् ४. संधि - स्वर संधि - दीर्घ, गुण, वृद्धि, यण्, अयादि पूर्वरूप स्वर च ५. चित्र वर्णनम्, अनुच्छेद लेखनम् वा

June

	शेमुषी - २
पाठाः	२. बुद्धिबलवती सदा ३. व्यायामः सर्वदा पथ्यः
व्याकरण	१. अपठित गद्यांशम् २. पत्र-लेखनम् ३. संस्कृते अनुवाद - कार्यम् (लङ् लकारे) ४. चित्रवर्णनम्, अनुच्छेद लेखनम् च ५. समासाः - परिचयः, तत्पुरुष समासाः - विभक्ति तत्पुरुष समास ६. वाक्ये अशुद्धि - संशोधनम्

July

	पुर्नभ्यास (for Periodic Test - I) शेमुषी - २
पाठाः	४. शिशु लालनम् ५. जननी तुल्य वत्सला
व्याकरणम्	१. अपठित गद्यांशम् २. पत्र-लेखनम् ३. अनुवाद कार्यम् ४. चित्र वर्णनम्, अनुच्छेद लेखनम् च ५. संधि - व्यञ्जन संधि - प्रथमवर्णस्य तृतीय वर्णे परिवर्तनम् प्रथमवर्णस्य पञ्चम वर्णे परिवर्तनम् ६. समय लेखनम्

August

	शेमुषी - २
पाठाः	६. सुभाषितानि
व्याकरणम्	१. अपठित गद्यांशम् २. पत्र-लेखनम् ३. अनुवाद - कार्यम् ४. चित्र - वर्णनम् ५. तत्पुरुष समास - उपपद तत्पुरुष समास नञ् तत्पुरुष समास कर्मधारय समास ६. प्रत्ययाः - त्व, तल्

September

पाठाः

व्याकरणम्

शेमुषी - २

७. सौहर्द - प्रकृतेः शोभा
१. अपठित गद्यांशम्
२. पत्र-लेखनम्
३. अनुवाद लेखनम्
४. चित्र-वर्णनम्, अनुच्छेद लेखनम् च
५. व्यञ्जन संधि - मोऽनुसार
६. स्त्री प्रत्ययाः - टाप्, डीप् प्रत्ययम्
७. अनुस्वार का परसवर्ण नियम
८. अपदान्त अनुस्वारस्य नियम
९. द्वन्द्व समास

Revision for Term Exam

October

पाठाः

व्याकरणम्

शेमुषी - २

८. सूक्तयः
१. अपठित गद्यांशम्
२. पत्र-लेखनम्
३. अनुवाद-कार्यम्
४. चित्र-वर्णनम्, अनुच्छेद लेखनम् च
५. अव्ययाः - प्र, परा आदयः २२ अव्ययानि
६. वाक्य परिवर्तनम् - (केवल लट् लकारे)
७. प्रत्ययाः- तव्यत् -अनीयर् प्रत्यय
८. व्यञ्जन संधि - ह्रस्व संधि
९. विसर्ग संधि - विसर्गस्य लेखन
१०. विसर्ग संधि - विसर्गस्य उत्त्व

November

पाठाः

व्याकरणम्

शेमुषी - २

९. विचित्रः साक्षी
१०. प्राणेभ्योऽपि प्रियः सुहृद्
१. अपठित गद्यांशम्
२. पत्र-लेखनम्
३. अनुवाद कार्यम्
४. चित्र-वर्णनम्, अनुच्छेद लेखनम् च
५. प्रत्ययाः - शतृ, शानच्, मतुप्, ठक्, इनि
६. वाक्य संशोधनम्
७. समासाः - अव्ययीभाव समास, बहुव्रीहि समास

December

शेमुषी - २

१२. अन्योक्तपः

९. सूक्तयः **(Revision)**

व्याकरणम्

१. अपठित गद्याशम्

२. पत्र-लेखनम्

३. अनुवाद कार्यम्

४. चित्र-वर्णनम्, अनुच्छेद लेखनम् च

५. वाक्य संशोधनम्

६. समय लेखनम्

७. विसर्गसंधि - विसर्गस्य सत्वम्
विसर्गस्य रत्वम्**January****Revision for Preliminary Examination - I****February****Revision****March****Annual Exam****Subject : Marathi****April**

पाठ

शाल

कविता

तू बुद्धी दे (only Reading)

व्याकरण

शब्दांच्या जाती, वचन, लिंग

June

पाठ

उपास

कविता

संतवाणी

अंकिला मी दास तुझा

स्थूलवाचन पाठ

मोठे होत असलेल्या मुलांनो

व्याकरण

समानार्थी शब्द, विरुद्धार्थी शब्द

निबंधलेखन (Essay Writing)

July**Periodic Test - I**

पाठ

चुडीवाला

निबंधलेखन (Essay Writing)

August

पाठ	उर्जाशक्तीचा जागर
कविता	दोन दिवस
व्याकरण	काळ, वाक्याचे प्रकार आणि वाक्य रूपांतर
निबंधलेखन (Essay Writing)	

September

कथालेखन
पत्रलेखन

Periodic Test - II

October

पाठ	रंग साहित्याचे खरा नागरिक
कविता	औक्षण
पत्रलेखन	
निबंधलेखन (Essay Writing)	

November

कविता	स्वप्न करु साकार
स्थूवाचन पाठ	व्युत्पत्ती कोश
व्याकरण	समास
निबंधलेखन	
पत्रलेखन	

December

Periodic Test - III

व्याकरण	समानार्थी शब्द, विरुद्धार्थी शब्द
पत्रलेखन (Letter Writing)	
निबंधलेखन (Essay Writing)	
कथालेखन (Story Writing)	

Subject : Computer

<u>Term</u>	<u>Units</u>	<u>Month</u>
<u>Term I</u>	Unit 1 : ICT Skills - 1	April - August
	Unit 2 : Introduction of AI	
	Unit 3 : AI Project Cycle	
<u>Term II</u>	Unit 3 : Neural Network	August - September
	Unit 4 : Introduction of Python	October - 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.**