



# **D.A.V. PUBLIC SCHOOL,NERUL**

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## **SYLLABUS 2021-22**

### **CLASS X**

**D.A.V. PUBLIC SCHOOL, NERUL**  
**ACTIVITY LIST (2021-22)**  
**FOR STD. VIII, IX & X**

Month	Date	Day	Activity
April, 2021	05-04-2021	Monday	New Academic Session begins for Std. VIII & X (2021-2022)
	12-04-2021	Monday	New Academic Session begins for Std. IX (2021-2022)
May, 2021	01-05-2021	Saturday	} Summer Vacation
	to	to	
	06-06-2021	Sunday	
June, 2021	07-06-2021	Wednesday	School Reopens
	18-06-2021	Friday	Self-composed Poetry Writing
	19-06-2021	Saturday	I Parent-Teacher Interaction
	21-06-2021	Monday	Yoga Day Celebration
	21-06-2021	Monday	} Multiple Assessment - 1
	to	to	
	25-06-2021	Friday	
	26-06-2021	Saturday	Prefectorial Board Selection
30-06-2021	Wednesday	Paper Quilling / Mandala Art Competition	
July, 2021	12-07-2021	Monday	} Periodic Test - 1
	to	to	
	16-07-2021	Friday	Umbrella/T-Shirt Painting Competition
	31-07-2021	Saturday	II Parent Teacher Interaction (Review of Periodic Test -1)
August, 2021	06-08-2021	Friday	Discover India Quiz Competition
	09-08-2021	Monday	} Subject Enrichment Activities - 1
	to	to	
	13-08-2021	Friday	Independence Day Celebration
	20-08-2021	Friday	Hindi Doha Competition
September, 2021	01-09-2021	Wednesday	} Multiple Assessment -2
	to	to	
	08-09-2021	Wednesday	Teacher's Day Celebration
	09-09-2021	Thursday	Solo Singing Competition
October, 2021	24-09-2021	Friday	} Term 1)
	to	to	
	06-10-2021	Wednesday	Gandhi Jayanti Celebration
	02-10-2021	Saturday	Digital collage & Infographic Making Competition
	08-10-2021	Friday	III Parent-Teacher Interaction (Review of Term 1 exam)
	29-10-2021	Friday	Rangoli Competition

November, 2021	01-11-2021	Monday	} Diwali Vacation	
	to	to		
	13-11-2021	Saturday		
	November, 2021	22-11-2021	Monday	} Multiple Assessment -3
		to	to	
		26-11-2021	Friday	
	29-11-2021	Monday	Reduce, Reuse and Recycle Competition	
December, 2021	06-12-2021	Monday	} Periodic Test - 3	
	to	to		
	17-12-2021	Friday	} Christmas Vacation	
	24-12-2021	Friday		
January, 2022	01-01-2022	Saturday	} Preliminary Exam for Std. VIII & X	
	03-01-2022	Monday		School re-opens
	08-01-2022	Saturday	IV Parent-Teacher Interaction (Review of Periodic Test - 3)	
	10-01-2022	Monday	} Preliminary Exam for Std. VIII & X	
	to	to		
	21-01-2022	Friday	} Subject Enrichment Activities - 2 (Class IX)	
	17-01-2022	Monday		
	to	to		
		21-01-2022	Friday	} Subject Enrichment Activities - 2 (Class IX)
	26-01-2022	Wednesday	Republic Day Celebration	
February, 2022	31-01-2022	Monday	} Subject Enrichment Activities - 2 (Class VIII & X)	
	to	to		
	04-02-2022	Friday	Parent-Teacher Interaction for Preliminary Exam of Std. VIII & X	
	08-02-2022	Tuesday		
	3rd Week	(Tentative)	Yearly Exam for Std. VIII, IX & X	
March, 2022	19-03-2022	Saturday	Result for Class IX	
	4th Week		New Academic Session Begins for Std. X (2022-2023)	
	5th Week		V Parent-Teacher Interaction (Review of yearly Exam Class 8	
April, 2022	1st week	(Tentative)	New Academic Session begins for Std. VIII & IX (2022-2023)	
May, 2022	01-05-2022	Sunday	School closes for Summer Vacation	
<b>Specific details regarding competitions shall be given in the classroom</b>				

## HOLIDAY LIST (2021-22)

### April 2021 to March 2022

Month	Date	Day	Occasion
<b>April, 2021</b>	2nd	Friday	Good Friday
	13th	Tuesday	Gudi Padwa
	14th	Wednesday	Ambedkar Jayanti
	21st	Wednesday	Ram Navami
	25th	Sunday	Mahavir Jayanti
<b>May, 2021</b>	1st	Saturday	Maharashtra Day
	1st	}	Summer Vacation
	to		
<b>June, 2021</b>	6th	Sunday	
	7th	Monday	School Reopens (Nursery to XII)
<b>July, 2021</b>	21st	Wednesday	Bakri Id *
<b>August, 2021</b>	15th	Sunday	IndependenceDay
	16th	Monday	Parsi New Year (Pateti)
	19th	Thursday	Muharram *
	22nd	Sunday	Raksha Bandhan
	31st	Tuesday	Gokulasthami
<b>September, 2021</b>	10th	}	Ganpati Holidays
	to		
	14th	Tuesday	
	15th	Wednesday	School Reopens ((Nursery to XII)
	19th	Sunday	Anant Chaturdashi
<b>October, 2021</b>	2nd	Saturday	Gandhi Jayanti
	15th	Friday	Dussehra
	19th	Tuesday	Id-E-Milad *
<b>November, 2021</b>	1st	}	Diwali Vacation
	to		
	10th	Wednesday	
	11th	Thursday	School Reopens (Nursery to Std. XII)
	19th	Friday	Gurunanak Jayanti
<b>December, 2021</b>	24th	}	Christmas Vacation
	to		
<b>January, 2022</b>	1st	Saturday	

<b>January, 2022</b>	3rd	Monday	School Reopens (Nursery to Std. XII)
	14th	Friday	Makar Sankranti
	26th	Wednesday	Republic day
<b>February, 2022</b>	19th	Saturday	Chhatrapati Shivaji Maharaj Jayanti
<b>March, 2022</b>	1st	Tuesday	Mahashivratri
	19th	Saturday	Holi

**\* Above mentioned dates are subject to change**

## INDEX

1. Science
2. Maths
3. Social Studies
4. English
5. Hindi
6. Sanskrit
7. Marathi
8. Computer
9. Internal Assessment

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

❖ ***Annual Examination shall include the entire syllabus***

## Subject – Science

### April

- Physics : Light Reflection and Refraction (half)  
Chemistry : Chemical Reactions and Equations (half)  
Biology : Life Processes (half)

### June

- Physics : Light Reflection and Refraction (half)  
Chemistry : Chemical Reactions and Equations (half)  
Biology : Life Processes (half)

### July

- Physics : Human Eye and the colourful world -  
Refraction through a prism, dispersion, scattering  
Electricity (half)  
Chemistry : Acids, Bases and Salts  
Biology : How do organisms reproduce? (half)

### **Periodic Test - I**

### August

- Physics : Electricity (half)  
Chemistry : Metals and Nonmetals Part - I  
Biology : How do organisms reproduce? (half)  
Control and Coordination (half)

### **Subject Enrichment - I**

### September

- Physics : Human Eye and the colourful world - Structure of  
eye and defects  
Chemistry : Metals and Nonmetals Part - II  
Biology : Control and Coordination (half)  
Heredity and Evolution (half)

### **Term - I**

### **October**

Physics : Magnetic effects of electric current (half)  
Chemistry : Carbon and Carbon compounds Part - I  
Biology : Heredity and Evolution (half)

### **November**

Physics : Magnetic effects of electric current (half)  
Chemistry : Carbon and Carbon compounds Part - II  
Biology : Our Environment

### **December**

Physics : Sources of Energy  
Chemistry : Periodic Classification of Elements  
Biology : Management of Natural Resources

### **Periodic Test - III**

### **January**

Physics : Revision  
Chemistry : Revision  
Biology : Revision

### **Preliminary Examination**

### **Subject Enrichment - II**

**February** : **Revision**

### **Annual Exam (Tentative)**

### **Physics Experiments:-**

1. 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.
2. To determine the equivalent resistance of two resistors when connected in series and parallel.
3. 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.



4. To determine the focal length of
  - a. Concave mirror
  - b. Convex lensby obtaining the image of a distant object.
5. To trace the path of a ray of light through a glass prism and measure the angle of deviation.
6. Image formation in the case of a convex lens. (demonstration)

### **Chemistry Experiments:-**

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 Experiments:-**

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**

**April**

Polynomials

Pair of linear equations in two variables

**June**

Pair of linear equations in two variables (contd)

Real Numbers

<b><u>July</u></b>	Arithmetic progression <b>Periodic Test - I</b> Arithmetic progression (contd) Quadratic Equations
<b><u>August</u></b>	Introduction to Trigonometry Triangles Probability <b>Subject Enrichment - I</b>
<b><u>September</u></b>	Application of Trigonometry Co-ordinate geometry <b>Term - I</b>
<b><u>October</u></b>	Circles Area related to circles
<b><u>November</u></b>	Construction Surface areas and volumes
<b><u>December</u></b>	Surface areas and volumes (Contd) <b>Periodic Test - III</b>
<b><u>January</u></b>	Statistics <b>Preliminary Examination</b> <b>Subject Enrichment - II</b>
<b><u>February</u></b>	Revision <b>Annual Exam (Tentative)</b>

**Subject : Social Studies**

<b><u>April</u></b>	
Economics	The Story of Development
Geography	Resources ★ Forest and wildlife
Political Science	Power Sharing Federalism
<b><u>June</u></b>	
History	The Rise of Nationalism in Europe
Economics	Development

Geography Forest Resources  
Political Science Federalism (contd)  
**July** **Periodic Test - I**  
History Nationalism in India  
Economics Sectors of Indian Economy  
Geography Agriculture  
★ Water Resources  
Political Science ★ Democracy and Diversity

**August**  
History Nationalism in India (Contd.)  
Economics Money and Credit  
Geography Minerals and Energy Resources  
Political Science Gender Religion And Caste  
**Subject Enrichment - I**

**September**  
History Print Culture and the Modern World  
Geography Manufacturing Industry (half)  
Economics Globalisation  
Political Science ★ Popular Struggles and Movements  
**Term - I**

**October**  
History The Age of Industrialisation  
Economics Globalisation  
Geography Manufacturing Industries (contd.)  
Political Science Political Parties

**November**  
History Print Culture and The Modern World  
Geography Lifelines of Indian Economy  
Economics Consumer Awareness (for project only)  
Political Science Outcomes of Democracy  
★ Challenges of democracy

**December** **Revision**  
**Periodic Test - III**

**January**

**Preliminary Examination**

**Subject Enrichment - II**

**February**

**Revision**

**Annual Exam (Tentative)**

- ★ These chapters shall be assessed in Periodic Tests only and will not be evaluated in Board Examination.

**Subject : English**

**April**

Reader

1. A Letter to God  
*Dust of Snow*  
*Fire and Ice*  
*A Tiger in the Zoo*

Sup

2. Nelson Mandela  
A Triumph of Surgery

Grammar

Tenses

**June**

Reader

3. Two Stories about Flying  
*How to Tell Wild Animals*  
*The Ball Poem*
4. From the Diary of Anne Frank  
*Amanda*

Sup

2. The Thief's Story

Grammar

Determiners

**July**

**Periodic Test - I**

Reader

5. The Hundred Dresses - I
6. The Hundred Dresses - II  
*Animals*

Sup

3. The Midnight Visitor

**August**

Reader

7. Glimpses of India  
*The Trees*

Sup

4. A Question of Trust
5. Footprints without Feet

Grammar      Reported Speech  
Clauses  
**Subject Enrichment - I**

**September**

Sup            6. The Making of a Scientist  
Grammar      Subject Verb Agreement  
**Term - I**

**October**

Reader        8. Mijbil the Otter  
                  *Fog*  
                  9. Madam Rides the Bus  
                  *The Tale of Custard the Dragon*  
Sup            7. Necklace  
                  8. The Hack Driver  
Grammar      Passive Voice  
                  Modals

**November**

Reader        10. The Sermon at Benares  
                  *For Anne Gregory*  
                  11. The Proposal  
Sup            9. Bholi  
                  10. The Book That Saved the Earth  
Grammar      Prepositions

**December**      **Revision**  
**Periodic Test - III**

**January**        **Preliminary Examination**  
**Subject Enrichment - II**

**February**       **Revision**  
**Annual Exam (Tentative)**

## Subject : Hindi

### पाठ्यपुस्तकें

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

### April

पाठ	बड़े भाई साहब कबीर - साखी
व्याकरण	अनुच्छेद लेखन पत्रलेखन (औपचारिक) विज्ञापन

### June

पाठ	हरिहर काका डायरी का एक पन्ना मीरा के पद
व्याकरण	समास पदबंध मुहावरे वाक्य -रूपांतरण

### July

पाठ	तताँरा वामीरों कथा बिहारी के दोहे मनुष्यता
व्याकरण	अपठित पद्यांश सूचना लेखन

### August

पाठ	पर्वत प्रदेश में पावस तोप सपनों के से दिन
व्याकरण	लघु कथा लेखन अलंकार

### **Subject Enrichment - I**

## **September**

पाठ अब कहॉ, दूसरों के दुख से दुखी होने वाले  
कर चलें हम फ़िदा  
पुनरावलोकन

### **Term - I**

## **October**

पाठ पतझर में टूटी पत्तियाँ  
आत्मत्राण

व्याकरण समास  
वाक्य-रुपांतरण  
पुनरावलोकन

## **November**

पाठ टोपी शुक्ला  
कारतूस

व्याकरण समास  
मुहावरे  
पत्र-लेखन (औपचारिक)  
पुनरावलोकन

## **December** **Periodic Test - III**

**January** **Preliminary Examination**  
**Subject Enrichment - II**

**February** **Revision**  
**Annual Exam (Tentative)**

## Subject : Sanskrit

### April

शेमुषी - २

पाठाः

१. शुचिपर्यावरणम्
२. बुद्धिर्बलवती कन्या

व्याकरणम्

१. अपठित गद्यांशम्
२. पत्र - लेखनम्
३. संस्कृते अनुवाद-कार्यम्
४. संधि - स्वर संधि
५. चित्र वर्णनम्
६. अव्ययाः - कालबोधकः, स्थानबोधकः
७. शब्द रूप - बालक, लता, फल, मुनि, मति, साधु
८. सर्वनाम रूप - अस्मद्, युष्मद्  
किम् - तीनों लिंग  
तत् तीनों लिंग
१०. उपपद विभक्ति - द्वितीया, तृतीया, चतुर्थी

### June

शेमुषी - २

पाठाः

१. व्यायामः सर्वदा पथ्यः
२. शिशु लालनम्

व्याकरण

१. अपठित गद्यांशम्
२. पत्र-लेखनम्
३. संस्कृते अनुवाद - कार्यम्
४. चित्रवर्णनम्
५. समासाः - परिचयः तत्पुरुष समासाः (विभक्ति तत्पुरुष समास)
६. अशुद्धि - संशोधनम्
७. व्यञ्जन संधि - प्रथम वर्णस्य तृतीयवर्णे परिवर्तनम्  
प्रथमवर्णस्य पञ्चमवर्णे परिवर्तनम्
८. वाच्य परिचयम्

### July

पुर्नभ्यास (for Periodic Test - I)

शेमुषी - २

पाठाः

५. जननी तुल्य वत्सला



व्याकरणम्

१. अपठित गद्यांशम्
२. पत्र-लेखनम्
३. अनुवाद कार्यम्
४. चित्र वर्णनम्
५. संधि - विसर्ग संधि विसर्ग उत्त्वम्, रत्वम्, शत्वम्, लोपः
६. समय लेखनम्
७. समास - बहुव्रीहि समासम्

### Periodic Test - I

**August**

शेमुषी - २

पाठाः

६. सुभाषितानि

व्याकरणम्

१. अपठित गद्यांशम्
२. पत्र-लेखनम्
३. अनुवाद - कार्यम्
४. चित्र - वर्णनम्
५. समास - द्वंद्व समास, अव्ययीभाव समास
६. तद्धित प्रत्ययाः - त्व, तल्, उक्, मतुप्

### Subject Enrichment - I

**September**

शेमुषी - २

पाठाः

७. सौहार्द - प्रकृतेः शोभा

व्याकरणम्

१. अपठित गद्यांशम्
२. पत्र-लेखनम्
३. अनुवाद लेखनम्
४. चित्र-वर्णनम्
५. वाच्य परिवर्तनम्, (केवलं लट् लकारे)
६. प्रत्ययाः - टाप्, डीप् प्रत्ययम्

### Term - I

**October**

शेमुषी - २

पाठाः

९. सूक्तयः

व्याकरणम्

१. अपठित गद्यांशम्
२. पत्र-लेखनम्
३. अनुवाद-कार्यम्
४. चित्र-वर्णनम्
५. अव्ययाः - प्रश्नबोधक, प्रकीर्णानि

**November**

शेमुषी - २

पाठाः

८. विचित्रं साक्षी

व्याकरणम्

१. अपठित गद्यांशम्

२. पत्र-लेखनम्

३. अनुवाद कार्यम्

४. चित्र-वर्णनम्

५. वाक्य संशोधनम्

**December**

शेमुषी - २

पाठाः

११. प्राणेभ्योऽपि प्रियः सुहृद

व्याकरणम्

१. अपठित गद्यांशम्

२. पत्र-लेखनम्

३. अनुवाद कार्यम्

४. चित्र-वर्णनम्

५. वाक्य संशोधनम्

६. समय लेखनम्

**Periodic Test - III****January****Subject Enrichment - II****Revision for Preliminary Examination****February****Revision****Annual Exam (Tentative)****Subject : Marathi****April**

पाठ

शाल

कविता

अंकिला मी दास तुझा

व्याकरण

शब्दांच्या जाती, वचन, लिंग, काळ

**June**

स्थूलवाचन पाठ

मोठे होत असलेल्या मुलांनो .....

निबंधलेखन (Essay Writing) , पत्रलेखन (Letter Writing)

**July**

पाठ

कविता

व्याकरण

**Periodic Test - I**

उपास

चुडीवाला

दोन दिवस

वाक्यांचे प्रकार

**August**

पाठ

व्याकरण

निबंधलेखन (Essay Writing)

फ्रुटप्रीन्ट्स

उर्जाशक्तीचा जागर

समानार्थी शब्द, विरुद्धार्थी शब्द

**Subject Enrichment - I****September**

पाठ

कविता

कथालेखन

रंग साहित्याचे

औक्षण

**Term - I****October**

पाठ

**November**

पाठ

निबंधलेखन (Essay Writing)

खरा नागरिक

व्युत्पत्ती कोष

**December**

कविता

व्याकरण

**Periodic Test - III**

स्वप्न करू साकार

समास

**January****February****Subject Enrichment - II****Revision Preliminary Exam****Revision****Annual Exam (Tentative)**

## Subject : Computer

<u>April</u>	Services on Internet
<u>June</u>	Data Base Management
<u>July</u>	Open office.org BASE
<u>August</u>	Open office.org BASE
<u>September</u>	<b>I Term Examination</b>
<u>October</u>	Working in Browser
<u>November</u>	HTML Basis
<u>December</u>	HTML Basis
<u>January</u>	HTML Advanced
<u>February</u>	HTML Project
<u>March</u>	<b>Annual Exam</b>

## **INTERNAL ASSESSMENT (20 MARKS)**

<b>S.No.</b>	<b>Details</b>	<b>Marks</b>
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.**