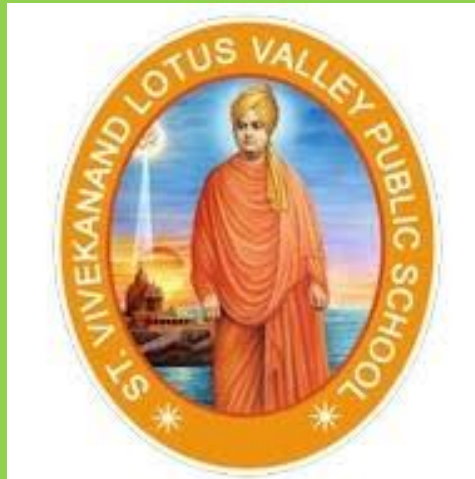




**SUMMER HOLIDAYS
HOMEWORK FOR CLASS
IX
SESSION(2026-27)**

**“Vacation is the time to discover,
create, learn, and grow.”**

Dear Students,

Holidays are not only meant for rest and enjoyment but also for exploring new ideas and improving your creativity. The holiday homework has been carefully planned to make learning interesting, meaningful, and enjoyable for you.

Complete your work with honesty, neatness, and dedication. Make a balance between study and recreation so that your holidays become both productive and refreshing.

Read good books, practice healthy habits, spend quality time with your family, and try to learn something new every day.

Remember: ✦✦ Success comes to those who work sincerely.

✦✦ Every small effort adds to your knowledge and confidence.

✦✦ Learning during holidays keeps your mind active and creative.

May your holidays be filled with happiness, positivity, and valuable learning experiences.

✦ Stay Safe • Stay Healthy • Keep Learning ✦

Best Wishes for a Happy and Productive Vacation!

GENERAL INSTRUCTIONS

- **Complete all the assigned work sincerely and submit it on the given date.**
- **Maintain neatness, proper presentation, and clarity in all subjects.**
- **Read the instructions of each task carefully before starting.**
- **Make proper use of textbooks, notebooks, and other reference materials whenever required.**
- **Parents/Guardians are requested to guide and encourage their children while completing the homework.**

Important Guidelines

- **Revise all completed work before submission.**
- **Keep your handwriting neat and your work well-organized.**
- **Feel free to contact subject teachers for any clarification or help.**

Important Note :-The given models and activities must be prepared according to the allotted roll numbers. It is compulsory for all students as it is being conducted for assessment purposes. Assessment marks will be awarded to the students on the basis of creativity, presentation, participation, and explanation of the topic.

ENGLISH

Do the given pages in BBC Compacta

Module I

Unseen Passage

Pg No. 3-9, 21-32, 34-44, 53-60

Module – II

Do exercise of Tenses, Modals and determiners.

Module – IV

Notice writing

Pg No. 210-217

Module – V

Factual Description

Pg. No. 287-295

Module – VI

Magazine Article

Pg. No. 317-333

Module – VII

Descriptive Essay

Pg. No. 346-355

Module – IX (Literature)

Pg. No. 394-400, 429-430, 433-434

Literature

Chapter – 1 How I taught my grandmother

Chapter – II The Pot Maker

Chapter – III Winds of change

Poems

1. **Bharat our land**
2. **Gifts of Grace : Honouring our vacation**
3. **Canvas of soil**

Revise all the chapters and the poems along with the bookwork

Project Work

Make a project file on any one topic

1. **Bharat our land**
2. **Gift of Grace : Honoring our vocations**

Project file structure

1. **Introduction of the poem**
2. **About the poet**
3. **Summary of the poem**
4. **Theme of the poem**
5. **Literary devices**
6. **Message of the poem**
7. **Conclusion**
8. **Bibliography**

Prepare a working model on the following topics

1. **Bharat our land**

Roll No. 1-7

IDEAS :3D Map of India

Show mountains, rivers, deserts, and oceans.

Use cotton for Himalayas and blue ribbon for rivers.

B. Unity in Diversity Wheel

Make a rotating wheel showing:

Food

Festivals

Languages

Dance forms

2. Gifts of grace: hounouring our vocations

Roll No. 8-14

1. Dream Professions Street” Model

Idea

Create a small street showing different workers:

Hawker

Gardener

Watchman

Fisherman

Teacher

Use small paper figures and labels.

Working Feature

Add moving paper wheels or rotating figures.

Students can explain each profession’s importance.

3. The Pot Maker

Roll No. 15-21

Working Pottery Wheel

Use a CD and stick to make a rotating wheel.

Demonstrate clay pot making.

B. Village Pottery Scene

Create a village setup with:

Potter

Pots

Hut

Pottery wheel

4. Tenses Machine

Roll no 22 - 28

A rotating wheel or moving chart showing:

Present Tense

Past Tense

Future Tense

Each section can include:

Structure

Examples

Signal words

5. Parts of Speech Train

Roll no 29 - 35

Make a train with different compartments:

Noun

Pronoun

Verb

Adjective

Adverb

Preposition

Conjunction

Interjection

Instructions

Use coloured headings and relevant pictures for project work

Project work should be handwritten and creative.

While making models students can use their own ideas.

HINDI

परियोजना कार्य

1. दो बैलों की कथा पाठ के आधार पर मान लीजिए आप एक स्थानीय समाचार पत्र के संवाददाता हैं अपने समाचार पत्र के लिए बैलों के कांजी हाउस से भागने का समाचार लिखें।

*शीर्षक

* घटना का विवरण (कहाँ कब क्या हुआ)

* परिणाम और लोगों की प्रतिक्रिया

2. मुंशी प्रेमचंद जी के द्वारा लिखित किसी एक अन्य कहानी का लेखन A4 सीट पर करते हुए एक परियोजना का निर्माण करें जिसमें चित्र भी अंकित किए गए हों।

3. 'क्या लिखूं' निबंध में बुद्धदेव, महावीर स्वामी, नागार्जुन, कबीर, नानक, शंकराचार्य आदि कई महान व्यक्तियों के नाम आए हैं उनके विषय में जानकारी एकत्रित करके एक परियोजना का निर्माण करें जिसमें बताया गया हो कि उन्होंने अपने समाज अपने समय में समाज के लिए क्या-क्या कार्य किए थे।

4. उपसर्ग तथा प्रत्यय के विभिन्न शब्दों का वर्णन A4 शीट पर करें। जो आपकी हिंदी व्याकरण में निहित है।

5. 'जो तुम तोरो राम मैं ना ही तोड़ू' पंक्ति के आधार पर अटूट मित्रता पर एक लघु कथा का निर्माण करें।

5. विभिन्न प्रश्नों के उत्तर ग्रीष्म अवकाश कार्य की पुस्तिका में लिखें।

रैदास के पद कविता के दोनों पदों में भक्त और आराध्य के संबंध को किन-किन उपमानों से व्यक्त किया गया है लिखिए।

“हीरा ने तिरस्कार किया गिरे हुए बैरी पर पर सींग न चलना चाहिए।” ‘यह सब ढूँढ़ है बैरी को ऐसा मारना चाहिए कि फिर ना उठे’। आपका इस संबंध में क्या विचार? आप किसके साथ हैं हीरा के या मोती के साथ या दोनों के? क्यों?

हीरा और मोती की विशेषताएं कुछ -कुछ सामान और कुछ -कुछ अलग है किंतु उनके भिन्न विशेषताएं एक दूसरे को पूरा करती है। कैसे?

संधि किसे कहते हैं और संधि कितने प्रकार की होती है उदाहरण सहित लिखें।

समानार्थी शब्द क्या होते हैं पाठ में निहित समानार्थी शब्दों को ढूंढ कर उन्हें लिखें।

आप और आपके मित्र के बीच हुई बातचीत को संवाद के रूप में लिखें जिसमें ग्रीष्मकालीन अवकाश में आपने क्या-क्या किया उसके बारे में चर्चा की गई हो।

‘क्या लिखूं’ पाठ के आधार पर निबंध लेखन क्या होता है उसके लिए किन किन बातों का ध्यान रखना चाहिए।

विराम चिह्न क्या होते हैं भाषा में उनका क्या प्रयोग होता है उसके प्रकारों का वर्णन करते हुए उदाहरण भी लिखें।

रैदास के पद प्रभु जी तुम घन बन हम मोर जैसे चितवत चंद चकोरा का क्या अर्थ है?

7. व्याकरणिक कार्य

पत्र लेखन

✓ अपने मनपसंद उपहार खरीदने के लिए पिताजी को पत्र लिखकर पैसे भेजने के लिए अनुरोध करें।
✓ ‘प्रातः भ्रमण स्वस्थ के लिए वरदान’ इसका महत्व बताते हुए पिताजी की ओर से पुत्र को एक पत्र लिखें।

संवाद लेखन

✓ विद्यालय में विलंब से पहुंचने पर अध्यापक और विद्यार्थी के मध्य संवाद लिखें।
✓ मेले में जाने के लिए तैयार दो बच्चों के बीच बातचीत को संवाद के रूप में लिखें

अनुच्छेद लेखन

✓ करत करत अभ्यास के जड़मति होत सुजान

✓ ऐसी वाणी बोलिए मन का आपा खोए

मॉडल -

*हिंदी साहित्य के चार स्तंभ

(हिंदी साहित्य की प्रमुख चार काल) का चित्रों सहित एक मॉडल तैयार करें।

✓ अनुक्रमांक 1,2,=आदिकाल

✓ अनुक्रमांक 3,4,=भक्ति काल

✓ अनुक्रमांक 5,6=रीतिकाल

✓ अनुक्रमांक 7,8=आधुनिक काल

✓ अनुक्रमांक 9,10 चारों कालों का विभाजन करें।

5. साहित्य और बॉलीवुड

(एक सिक्के के दो पहलू)

किताब से सिनेमा तक का सफर

✓ अनुक्रमांक 11,12=किन्हीं दो उपन्यासों गोदान और कफन पर।

✓ अनुक्रमांक 13,14=अंधेर नगरी (नाटक)/ अंधेर नगरी चौपट राजा (फिल्म)

6. संधि और संधि के प्रकारों का एक वॉल हैंगिंग बनाए। अनुक्रमांक 15 से 20

7. उपसर्ग प्रत्यय का एक कार्यशील मॉडल बनाएं अनुक्रमांक 16 से 20 तक

8. प्राचीन समय के गुरुकुल और आज की पाठशाला का एक कार्यशील मॉडल तैयार करें। अनुक्रमांक 21 से 30 तक 9. 'महारा हरियाणा महारी संस्कृति पर आधारित एक कार्यशील मॉडल तैयार करें।

अनुक्रमांक 31 से 38 तक

Maths

1. Find the value of p for which $x+p$ is factor of $x^2+px+3-p$
2. Write the coefficient of x^2 in expansion of $(x-2)^3$
3. Verify whether $x = -\frac{1}{\sqrt{3}}$ is zero of $3x^2-1$
4. Find the product $\left(y^2 + \frac{3}{2}\right)\left(y^2 - \frac{3}{2}\right)$
5. Find the common factor of the polynomials $x^2+8x+15$ and $x^2+3x-10$
6. Factorize $(16y^2-1) + (1-4y^2)^2$
7. Find the value of a , if $x+a$ is a factor of $x^4-a^2x^2+3x-a$.
8. Verify that $x^3-y^3 = (x-y)(x^2+xy+y^2)$
9. Simplify $(x+y+z)^2 - (x-y+z)^2$
10. Factorize $(x^2-2x)^2 - 2(x^2-2x) - 3$

11. Factorize $9a^3 - 27a^2 - 100a + 300$, if it is given that $(3a+10)$ is a factor of it.
12. If $a + b + c = 12$, $a^2 + b^2 + c^2 = 90$, find the value of $a^3 + b^3 + c^3 - 3abc$
13. Show that $\frac{1}{3}$ and $\frac{4}{3}$ are zeroes of the polynomial $9x^3 - 6x^2 - 11x + 4$. Also, find the third zero of the polynomial
14. If $x^2 + px + q = (x+a)(x+b)$, then factorize $x^2 + pxy + qy^2$
15. Find the value of p and q if $a^2 - 1$ is factor of $pa^4 - 7a^3 + 9a^2 + qa - 10$
16. Let P and R are the remainders when the polynomial $f(x) = 4x^3 + 3x^2 - 12ax - 5$ and $g(x) = 2x^3 + ax^2 - 6x + 2$ are divided by $(x - 1)$ and $(x + 2)$ respectively. If $3P + R + 28 = 0$. find the value of a .

SCIENCE

Assignment-1 Biology

1. Define:

- (i) Cell
- (ii) Organelle
- (iii) Nucleus
- (iv) Cytoplasm
- (v) Plasma Membrane
- (vi) Tissue.
- (vii) Why are tissues important in multicellular organisms

2. Differentiate between:

- (i) Plant Cell and Animal Cell
- (ii) Prokaryotic Cell and (iii) Eukaryotic Cell
- (iv) Meristematic Tissue and Permanent Tissue
- (v) Xylem and Phloem
- (vi) Voluntary and Involuntary Muscles

3. Draw neat and labelled diagrams of:

(i) Plant Cell Animal Cell

(ii) Explain the functions of:

Nucleus, Mitochondria, Golgi Apparatus, Vacuoles, Endoplasmic Reticulum, Types of Plant Tissues, Neuron, Striated Muscle

4. Write short notes on:

(i) Parenchyma

(ii) Collenchyma

(iii) Sclerenchyma

(iv) Blood Tissue

(v) Nervous Tissue

Assignment-2 Chemistry

1. Define the following terms with one example each:

i. Mixture

ii. Solution

iii. Solute

iv. Solvent

v. Suspension

vi. Colloid

2. Differentiate between:

i. Homogeneous and heterogeneous mixtures

ii. True solution and suspension

iii. Colloid and solution

3. Draw neat and labelled diagrams of the following separation techniques:

i. Filtration

ii. Distillation

iii. Evaporation

iv. Separating funnel

v. Chromatography

4. Explain the following methods of separation with suitable examples:

i. Handpicking

ii. Winnowing

iii. Sieving

iv. Sedimentation and decantation

v. Centrifugation

5. Write the steps involved in separating:

i. Salt from seawater

ii. Cream from milk

iii. Iron filings from sand

iv. Different colours from black ink

Assignment-3 Physics

1. Define the following terms with examples:

i. Distance

ii. Displacement

iii. Speed

iv. Velocity

v. Acceleration

2.Differentiate between:

- i. Distance and Displacement
- ii. Speed and Velocity
- iii. Uniform Motion and Non-uniform Motion

3.Draw and explain:

- i. Distance–Time Graph
- ii. Velocity–Time Graph

4.Solve the following numerical questions:

- a) A car travels 120 km in 3 hours. Find its speed.
- b) A train starts from rest and attains a velocity of 20 m/s in 10 seconds. Find acceleration.
- c) A boy walks 500 m east and then 300 m west. Find:
Total distance
Displacement

5.Write the three equations of motion and explain each with units

1. $v=u+at$

2. $s=ut+\frac{1}{2}at^2$

3. $v^2-u^2=2as$

Activity Work:

Prepare a small chart I showing different types of motion (rectilinear, circular, periodic, and random motion) using daily life examples.

Section B – Activity 1**Prepare a 3D model or working model of either**

- | | |
|--|------------------|
| 1.Cell Organelles and their functions | (Roll no. 1-5) |
| 2.Neuron working | (Roll no. 6-10) |
| 3.Cable car
(Rope way) mechanism (using hard cardboard) | (Roll no. 11-15) |
| 4..Automatic Smart dustbin Auto detector | (Roll no. 16-20) |
| 5.States Of Matter | (Roll no. 21-30) |
| 6.Acid rain | (Roll no. 31-38) |

Activity-2

Collect pictures from newspapers/magazines and make a collaage on black chart showing different tissues in plants and animals .

Section C – Project Work**Topic:**

- | | |
|----------------|------------------|
| 1.Cancer | (Roll no. 1-10) |
| 2.Plant tissue | (Roll no 11-20) |

3. Animal tissue (21 to 38)
4. Neuron working
5. Cable car
(Rope way) mechanism (using hard cardboard)
6. Automatic Smart dustbin Auto detector

Activity-3

Prepare a handwritten project (7–10 pages) on **anyone** of the following topic:

1. Introduction to Cells and Tissues

Discovery of Cell

Types of Cells

2. Types of Plant and Animal Tissues, their Functions with diagrams

Interesting facts

Decorate the project with coloured diagrams and creative borders.

Submission Instructions

Complete all work neatly in notebook/project file.

Use coloured pens and pencils for headings and diagrams.

Homework must be submitted on the first working day after vacation.

SOCIAL SCIENCE

Project file:

Disaster management

Map work:

On the outline map of the world, mark and label:

- * Indus valley (Harappan Civilization)
- * Mesopotamia (Tigris and Euphrates rivers)
- * Nile river (Egypt)
- * Huang He (yellow rivers, china)

Creative Activity

- 1 Make a chart/poster on economic system in India
- 2 Prepare a timeline chart showing the major developments from the paleolithic age to the Harappan Civilization. Include important sites and invention.

Assignment:

1. How do the following factors influence the climate of India?
 - a) Latitude
 - b) Altitude
 - c) Sea distance from the sea
2. Define Kal Baisakhi,loo and Mango shower.
3. In which part of India are they experienced?
4. Explain any four features of advancing monsoon reference to India.
5. Name the three phases of the stone age.
6. What is meant by domestication?
7. Defines: i. Microliths
ii. Bipedelism
iii Hieroglyphics
8. What is universal adult suffrage?
9. What role does the opposition play in a democratic system?
10. Discuss the major political, economic, social and electoral challenges faced by democracy in India.

Make a model on according to your Roll Number on the following topics

1. Make a model showing the windward and leeward sides of a mountain and explain the rain shadow region. Roll No.(1 to 5)
 2. Create a 3rd model showing the three layers of the earth. Roll No. (6 to 10)
 3. Create a model on stages of the stone age Roll No. (11 to 15)
 - 4 Vedic Civilisation Roll no.(16 to 20)
 5. Major land forms of india Roll no.(21 to 25)
 6. Democracy vs Dictatorship Comparison Roll no.(26 to 30)
- Split model into two sides:
- Democracy → voting, freedom, equality
- Dictatorship → strict rules, no freedom
- Use moving arrows and lights.
7. Volcano and Earthquake Working Model Roll no(31 to 38)
- Show tectonic plates using cardboard layers.
- Use baking soda + vinegar for volcano eruption.
- Add labels for magma, lava, plates, epicentre.

MARKETING AND SALES

Ch1 Introduction to marketing and sales

IT

Chapter 1 Introduction to IT & ITes Industry

Prepare a working model on the following topics

Project Work

- | | |
|----------------------------------|---|
| 1. Digital Transaction Hub | (Parteek, Tanvi, Jahanvi, Jasleen, Aanchal, Ishika) |
| 2. Smart City | (Rhydhm, Anshu, Nandan, Raghav, Anshul) |
| 3. Client server | (Mayank, Ripudaman, Bhavish, Ranuak, yashvardhan) |
| 4 Smart School | (Ayush, himanshu, Bharat, puneet, Satish) |
| 5 Topology | (Ayush Yadav, Aditya, Amanveer, Anushikha) |
| 6 WAN | (Khushpreet, janvi, Aanchal, Angel, Maninder) |
| 7 communication technology | (Pairvi, Sukriti, Divya, Simran , sneha, Harmanjot) |
| 8 smart road accident Prevention | (himanshi, Ridhima, janvi, kusum, kirti) |
| 9 computer Network | (Akshat, Advait, Rajhans, harmeet, Shahid) |