



R.V. NORTHLAND INTERNATIONAL
SCHOOL

HOLIDAY HOMEWORK

SESSION: 2025-26

NAME: _____

CLASS & SEC: **VIII**_____

ROLL NO. : _____

SUMMER





Hello, Happy Holidays!

The sun is shining, skies are blue,
A summer break is here for you!
Time to learn in a fun new way,
As you enjoy each sunny day.

With books and crafts and games to play,
Let's make the most of every day!
So open your pages, bright and neat,
This holiday homework is a treat!



Guidelines for a Fun-Filled Learning Journey



1. **Parental Guidance:**
Complete your homework with the help and supervision of your parents or guardians.
2. **Neatness Counts:**
Present your work in a clean, tidy, and attractive manner.
3. **Be Original:**
Showcase your creativity! Original ideas and efforts will be appreciated.
4. **Revise & Recall:**
Take time to revise all concepts learned in the months of April and May.
5. **Learn Beyond Books:**
Watch informative channels like *Discovery Kids*, *Animal Planet*, or *YouTube Kids* to broaden your knowledge.
6. **Label Properly:**
Ensure every page of your homework is labeled with your **Name, Class, and Roll Number**.
7. **Speak English:**
Build confidence by speaking English regularly with family and friends.
8. **Choose Your Favorites:**
From the list of fun holiday projects, you may choose any two that excite you the most.
9. **Add Fun to Function:**
Decorate your homework folder or file. Stickers, doodles, or borders — let your personality shine!
10. **One Page a Day Keeps Stress Away:**
Don't rush at the end! Do a little every day and enjoy both learning and vacation.

HAPPY HOLIDAYS!

With Best Regards,

CLASS TEACHER





Theme: “Imagine, Innovate & Inspire!”

This holiday homework is designed to sharpen your reading, writing, speaking, and listening skills while making learning fun and creative.

Reading Activities

1. Book Bingo Challenge

Read at least 4 books that match these categories:

- A book with a one-word title
- A book by an Indian author
- A book that became a movie
- A book set in the future

Task: Write a 100-word review and a favorite quote from each book.

Helpful link: https://www.goodreads.com/list/show/579.Books_For_Teenagers

2. Compare Characters

Choose two characters from different books. Write a paragraph comparing their personality, actions, and choices.

Helpful link: <https://www.scholastic.com/teachers/articles/teaching-content/comparing-two-characters/>

Writing Activities

1. Sci-Fi Story Prompt

Write a short story (200–250 words) beginning with:

"Earth was silent. The machines had finally taken over..."

Helpful link: <https://www.wikihow.com/Write-a-Short-Story>

2. Blog Entry – ‘A Day Without Technology’

Write a blog-style entry (150–200 words) describing your experience if all gadgets disappeared for a day.

Helpful link: <https://kidslearntoblog.com/how-to-write-a-blog/>

3. Nature Haiku Journal

Write one haiku every week inspired by your outdoor observations. (Haiku = 3 lines, 5-7-5 syllables)

Helpful link: <https://www.poetry4kids.com/lessons/how-to-write-a-haiku/>

Speaking Activities

1. Elevator Pitch – ‘Sell the Future’

Record a 1-minute video pitching a futuristic invention (like teleport shoes or edible books).

Helpful link: <https://www.youtube.com/watch?v=tP8tIGDwDv8>

2. Mini TED Talk – ‘What Makes Me Unique’

Prepare and record a 2-minute talk about what makes you different and how it helps you grow.

Helpful link: <https://www.youtube.com/watch?v=7LFRj2r9gGE>

Listening Activities

1. Audio Mystery

Listen to a mystery story podcast and write:

- The main mystery
- Two clues
- One twist ending
- Your reaction

Suggested sites: <https://www.brainson.org> | <https://www.smashboom.org>

2. Music Emotions Journal

Listen to 5 songs of different styles (classical, hip-hop, jazz). For each, write how it made you feel and

sketch an image it inspired.

Helpful link: <https://www.classicsforkids.com>

1. Reading Time – 15 Minutes Daily

Read any storybook or children's magazine every day. Suggested books:

- Panchatantra Tales
- Akbar and Birbal
- Amar Chitra Katha
- Enid Blyton (short stories)
- School-provided reading material

Task: Fill a Reading Log (5 entries) with:

- Date
- Story Name
- Author
- Favourite Character
- 5–10 lines about the story

2. Handwriting Practice – 1 Page Every Alternate Day

Write neatly in a two-line notebook. Choose:

- Short poems
- Moral stories
- Textbook lessons

Submission Guidelines

- Neatly compile your written work in a scrapbook or digital folder.
- Submit videos/audios via Google Classroom or WhatsApp group.
- Clearly label everything with your name, class, date, and activity.



1. पठन समय – प्रतिदिन 15 मिनट

हर दिन कोई भी कहानी की पुस्तक या बाल-पत्रिका पढ़ें। इनमें से कोई चुन सकते हैं:

- पंचतंत्र की कहानियाँ
- चंपक / बालहंस
- मनोहर कहानियाँ
- विद्यालय द्वारा दी गई पठन सामग्री

कार्य: पठन विवरणिका (5 प्रविष्टियाँ बनाएं):

| तिथि | कहानी का नाम | लेखक | प्रिय पात्र | कहानी के बारे में 5-7 पंक्तियाँ |

2. सुंदर लेखन अभ्यास – एक पृष्ठ एक दिन छोड़कर

दो लाइन की कॉपी में अच्छे अक्षरों में एक पृष्ठ लिखें। आप छोटी कविताएँ, नैतिक कहानियाँ या अपनी पाठ्यपुस्तक की कोई भी अनुच्छेद चुन सकते हैं।

3. शब्दकोश खोज (Vocabulary Treasure Hunt)

अपने पढ़े हुए साहित्य या आसपास के वातावरण से 10 नए शब्द खोजें।

प्रत्येक शब्द के साथ लिखें:

- अर्थ
- पर्यायवाची शब्द
- वाक्य में प्रयोग

उदाहरण: शब्द: साहसी

अर्थ: जो निडर होकर कार्य करता है

पर्यायवाची: वीर, निर्भय

वाक्य: साहसी बालक ने डूबते बच्चे को बचाया।

4. रचनात्मक लेखन (किसी भी 2 विषयों पर)

निम्नलिखित में से किसी दो विषयों पर 6-8 पंक्तियाँ लिखें:

- मेरी पसंदीदा गर्मी की छुट्टी की गतिविधि
- यदि मैं तितली होता/होती
- चिड़ियाघर की सैर
- मैं अपने माता-पिता की कैसे मदद करता/करती हूँ
- मेरा सबसे अच्छा मित्र

5. चित्र आधारित अनुच्छेद लेखन

कोई भी चित्र (पुरानी पत्रिका/अखबार से काटकर चिपकाएँ या स्वयं बनाएं) चुनें और उस पर 5-6 पंक्तियाँ लिखें।

विषय सुझाव:

- पार्क का दृश्य
- बाजार का दृश्य
- पारिवारिक पिकनिक

अभिभावकों के लिए निर्देश:

- कृपया अपने बच्चे को कार्य में मार्गदर्शन दें और प्रोत्साहित करें, लेकिन उन्हें कार्य स्वतंत्र रूप से पूरा करने दें।
- सभी कार्य एक फोल्डर में छात्र का नाम और कक्षा/अनुभाग लिखकर संचित करें। भाग 1: लेखन कार्य

Mathematics



SECTION A: RATIONAL NUMBERS

1. Fill in the blanks:

- a) The reciprocal of 7 is _____
- b) The additive inverse of $-5/9$ is _____
- c) Rational numbers are closed under _____, _____, and _____.
- d) Zero has _____ reciprocal.

2. State whether the following statements are True or False:

- a) Every rational number is a whole number.
- b) $3/5 + 2/5 = 1$
- c) Rational numbers are not closed under subtraction.
- d) The product of a rational number and its reciprocal is 1.

3. Word Problems:

- a) Amina bought $3/4$ kg of almonds and $2/3$ kg of cashews. What is the total weight of dry fruits she bought?
- b) A ribbon is 2 metres long. If each piece is $2/5$ metres long, how many pieces can be cut from it?

SECTION B: EXPONENTS AND POWERS

1. Express in standard exponential form:

- a) 81
- b) 1,000,000
- c) $1/625$
- d) $1/8$

2. Express the following in expanded form:

- a) 5^3
- b) 2^5
- c) 10^{-2}
- d) 4^{-3}

3. Higher Order Thinking (HOTS):

- a) If $x^3 = 27$, what is the value of x^5 ?
- b) Show that $2^{-3} \div 4^{-2} = 1/2$
- c) A bacteria doubles every hour. If there is 1 bacteria now, how many will there be after 10 hours? Express using exponents.

ROLL NO. 1 TO 07 Linear Equation Balance Board

A physical balance scale model to demonstrate solving linear equations with variables on both sides.

ROLL NO. 08 TO 14. Frequency Polygon Model

Use real data to plot frequency polygons with paper and pins.

ROLL NO. 15 TO 24 Histograms Using Building Blocks

Stack blocks to represent frequency and form histograms.

ROLL NO. 25 TO 37 Factor Tree Model for Large Numbers & Algebraic Expressions

Detailed tree showing factorization step by step.

SCIENCE



Chapters Covered:

- Crop Production and Its Management
- Microorganisms: Friend and Foe
- Coal and Petroleum

SECTION A: ONE WORD QUESTIONS

1. Name one Rabi crop.
2. What is the instrument used to plough the field?
3. Name the gas released during fermentation by yeast.
4. Name a solid fossil fuel.
5. Name one microorganism used in making curd.
6. Which gas is mainly present in biogas?
7. Name the microorganism that causes malaria.
8. Which crop requires standing water?
9. Name one petroleum product used in vehicles.
10. What do we call organisms that cannot be seen with the naked eye?

SECTION B: CRITICAL THINKING BASED QUESTIONS:-

- Q1: A farmer notices his wheat crop is not growing well despite regular watering. Soil testing shows nitrogen deficiency. What should the farmer do? Why?
- Q2: During a disease outbreak, a village sees multiple cases of diarrhea. The only common link is water from a local well. What steps should be taken?
- Q3: A city faces frequent power cuts due to coal shortages at its thermal power plant. Suggest alternative solutions to maintain electricity supply.
- Q4: Company uses petroleum-based plastic extensively. Due to environmental rules, they must switch to eco-friendly alternatives. What can they do?
- Q5: If coal and petroleum were to disappear tomorrow, how would you redesign daily life — from transport to cooking — using only renewable resources?

SECTION C: SHORT ANSWER QUESTIONS

1. What is irrigation? Name any two modern methods.
2. How do microorganisms help in agriculture?
3. Why should fossil fuels be conserved?
4. What is the role of fertilizers and how are they different from manures?
5. List two harmful effects of microorganisms.

SECTION D: INNOVATIVE ACTIVITIES

- 1.. Fuel Diary Activity: Track and record your family's daily usage of electricity, petrol/diesel, and gas for 3 days.
2. Microbe Hunt: Observe and list areas in your home where microbes might be growing. Write your observation.



Art Integrated

Theme: Uttar Pradesh and Manipur – Cultural Diversity through Art

Subjects: Social Science + Art + English

Objectives:

To explore the culture and traditions of Uttar Pradesh and Manipur

To express knowledge creatively through visual arts

To develop awareness of India's cultural unity and diversity

PART 1: STATE PROFILE (Social Science)

Feature.	Uttar Pradesh	Manipur
Capital.	Lucknow.	Imphal
Main Languages	Hindi, Urdu.	Meitei (Manipuri), English
Famous Rivers.	Ganga, Yamuna	Barak, Imphal
Popular Tribes.	Tharu, Bhotia	Naga, Kuki

Activity:

Draw the maps of both states and highlight rivers and capitals.

PART 2: ART AND HANDICRAFTS (Art)

Uttar Pradesh: Make a design inspired by Chikankari embroidery or a traditional Terracotta pattern.

Manipur: Create a design of a traditional Manipuri textile like Phanek or Shaphee Lanphee

PART 3: FOLK DANCE & MUSIC

Draw or paste pictures of:

Uttar Pradesh: Kathak Dance and Shehnai

Manipur: Ras Leela Dance and Pena (traditional instrument)

Activity:

Make a collage of musical instruments from both states.

PART 4: FESTIVALS AND FOOD

State.	Festivals.	Famous Food
Uttar Pradesh	Holi, Diwali, Kumbh Mela.	Aloo Puri, Bedmi, Peda
Manipur (black rice dessert)	Lai Haraoba, Yaoshang, Ningol Chakouba.	Eromba, Chakhao

Activity:

Draw or paste a dish and a festival scene from both states.

PART 5: TRADITIONAL DRESS AND ARCHITECTURE

Draw or paste pictures of:

Uttar Pradesh: Saree with Chikankari, Kurta-Pajama

Manipur: Innaphi & Phanek (women), traditional dhoti (men)

Also include sketches of:

Uttar Pradesh: Mughal architecture (e.g., Taj Mahal, Bara Imambara)

Manipur: Traditional houses on stilts or Kangla Fort

PART 6: ENGLISH WRITING (Reflection Paragraph)

"Uttar Pradesh and Manipur are two vibrant states with distinct traditions and lifestyles. Through this project, I learned how their festivals, dances, foods, and arts showcase the unity in India's cultural diversity. This journey helped me understand the beauty of respecting and enjoying our differences."

Theme: Cultural and Geographical Diversity

States: Uttar Pradesh (Home State) & Manipur (Paired State)

Submission Instructions:

Use an A4-sized file or scrapbook for neat presentation with drawing or pictures.

Label each part clearly with titles and decorations

Use colors and creativity to make it attractive



1. शब्द संग्रह (Vocabulary Building):

- प्रतिदिन 5 नए संस्कृत शब्द लिखिए और उनके हिन्दी अर्थ भी लिखिए।
- कुल 30 शब्दों का संग्रह कीजिए।

2. आत्मपरिचय (Self Introduction):

- संस्कृत में 10-15 पंक्तियों में अपना परिचय लिखिए।

3. चित्र वर्णन (Picture Description in Sanskrit):

- एक चित्र चुनिए (जैसे – विद्यालय, बगीचा, परिवार आदि)।
- संस्कृत में 5 वाक्य लिखिए, जो उस चित्र का वर्णन करते हों।

4. धातु रूप एवं शब्द रूप अभ्यास:

- कोई 5 धातुओं (जैसे – पठ्, गम्, लिख्

5. संवाद लेखन (Dialogue Writing):

- एक छोटा संवाद (संभाषण) संस्कृत में लिखिए –

विषय: “पुस्तकालये संवादः” (लाइब्रेरी में बातचीत) – 6-8 पंक्तियाँ।



Theory Work

1. Internet and Cyber Safety

- ☐ Define the following terms:
 - o Cyberbullying
 - o Phishing
 - o Malware
- ☐ List 5 rules for staying safe online.
- ☐ Describe how to create a strong password.

2. Components of a Computer

- ☐ Draw and label the main components of a computer.
- ☐ Differentiate between:
 - o Input and Output devices
 - o Hardware and Software

MIND BOOST WORK

- ☐ Watch a short documentary or YouTube video on the History of Computers.
- ☐ Write a paragraph (8–10 lines) on what you learned.

1. Basic Programs (5 Marks)

Write Python programs for the following:

- a) Print your name, class, and favorite subject
 - b) Add two numbers entered by the user
 - c) Calculate the square and cube of a number
- cyber Ethics

Worksheet

A. Fill in the Blanks (1 mark each)

1. ____ is the responsible use of technology and the internet.
2. Sending threatening or abusive messages online is called ____.
3. A person who accesses a computer system without permission is called a ____.
4. ____ protects your work and ideas from being copied without permission.
5. Using someone else's work without credit is called ____

B. Short Question Answer:

1. What is cyberbullying? Give two examples.
2. Mention three ways to stay safe online.
3. What is plagiarism? Why is it wrong?
4. Write any three points of good netiquette.

C. Think and Write

Imagine your friend shared a photo of you without permission on social media. How would you feel and what steps would you take?

