

**ST JG SR SEC PUBLIC SCHOOL
PISKA NAGRI, RANCHI
AFFILIATED TO CBSE**

SUMMER HOLIDAY ASSIGNMENT
Session: 2026-27 | Class: IX



☀ For Ninth-grade minds,
both sharp and bright
These weeks are made to see the light.
To step outside the classroom walls,
And answer when adventure calls.
Forget the essays just for now,
Let summer breezes cool your brow.
Yet keep the spark of wonder near,
For growth is what we value here. 📖

🎯 The Roadmap to Success:

- ✅ Complete assignments neatly and on time. Independence builds confidence
- ✅ Revise Class 8 fundamentals + preview Class 9 key chapters
- ✅ Sharpen one life skill: coding, creative writing, public speaking, sketching, or a sport
- ✅ Design your own summer timetable. Balance discipline with discovery

🕒 Sample Time Table for Class IX:

Time Activity

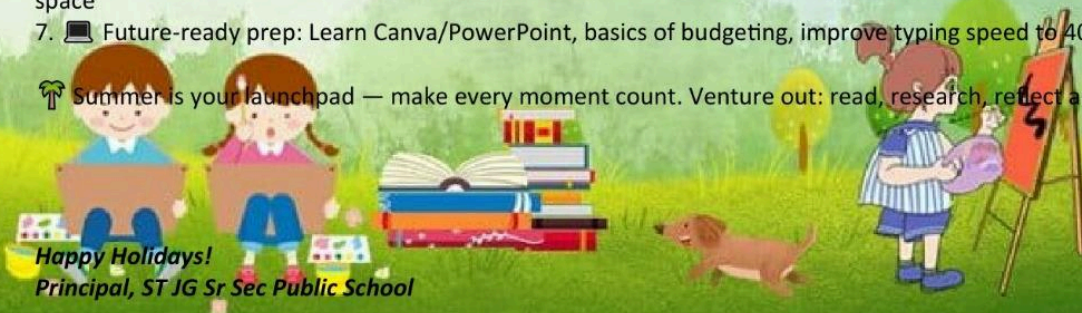
- | | |
|---------------------|--|
| 6:00 am – 7:00 am | 🧘 Energize: Exercise/yoga, plan your top 3 goals for the day |
| 7:00 am – 9:00 am | 📖 Deep work: Math/Science revision, NCERT practice |
| 9:00 am – 10:00 am | 🍳 Unplug: Breakfast, family time, newspaper reading |
| 10:30 am – 12:30 pm | 📚 Subject focus: English/Social Science/Hindi + book reading |
| 5:00 pm – 6:30 pm | 🎨 Skill hour: Project work, coding, art, music, or outdoor sport |
| 8:00 pm – 8:30 pm | 🔥 Reflect: Journal 3 learnings + prep tomorrow's plan |

🌟 Smart Goals + Summer Soul = The Perfect Class 9 Formula

1. 📖 Explore beyond textbooks: Visit a local site in Ranchi, watch an ISRO/NCERT documentary, interview someone about their career
2. 📱 Practice digital discipline: 1 hrs max social media. Use "Please, Sorry, Thank You" daily. Build projects, don't just scroll
3. 🏃 Stay active, stay sharp: 30-min daily workout or sport. A fit body powers a focused mind for Class 9
4. 🌱 Be a young changemaker: Save 10L water daily, start composting, teach a younger sibling/neighbor. Log your impact
5. 🍎 Fuel for focus: Balanced meals, 7-8 hrs sleep, 3L water daily. Revise before bed for better retention
6. 🏠 Lead at home: Cook one meal a week, track household expenses for 7 days, organize your study space
7. 💻 Future-ready prep: Learn Canva/PowerPoint, basics of budgeting, improve typing speed to 40 WPM

🚀 Summer is your launchpad — make every moment count. Venture out: read, research, reflect and rise!

Happy Holidays!
Principal, ST JG Sr Sec Public School



Art and craft
Class - 09

Make any one of them:-

1. Popsicle stick Geometric hanger
2. Cardboard mandala Hanger

Make similar items as these examples.



SUMMER HOLIDAY HOMEWORK

Subject -Chemistry

- 1) Write the answers of the following questions in holiday homework copy
 - a)What do you mean by mixtures? Explain the two types of mixture by giving an example.
 - b)What do you mean by sublimation?Give an example
 - c) Write the names of different methods of separation of Mixture.Write in brief.

- 2) Make a project file on Matter and their classification. Use A4 size paper and stick file.
- 3) Write answers of intext and exercise questions of Chapter 1 Exploring mixture and their separation and techniques in holiday homework copy.
- 4) Make a modern periodic table on the chartpaper.

Subject-Physics

- 1- Complete all the activities of lesson 1 i.e. Motion from ncert book in practical copy.
- 2- Complete all the inert and exercise question of chapter 1 in c. w copy.

Subject-Biology

- 1. Make an assignment on 'Cell' - whole chapter in a stick file
- 2. Make a model of 'cell' - animal or plant cell, with thermocol

- 1. Write the Functions of: Nucleus, Mitochondria, Chloroplast, Rough ER, Smooth ER, Plasma membrane, Cell wall, Vacuoles, Lysosome, Golgi apparatus, Cytoplasm
- 2. Write Notes on: Permeability of cell membranes. Cover isotonic, hypotonic, hypertonic medium with diagram
- 3. Why cell is known as "Structural and functional unit of life"?
- 4. Differentiate between Prokaryotic and Eukaryotic cell - 5 points
- 5. Differentiate between Plant cell and Animal cell - 5 points

Subject- Maths

1. Solution of UT -01 questions.
2. All the example questions from Ch-02(Ganita Manjari) Till Ex:-2.4
3. Solution of exercise 3.A and 3.B (RS Aggrawal)
4. Project work (i) What is polynomial? (Eg + Standard Form) (ii) Types of polynomial :-
(a) On the basis of terms.(with example) (b) On the basis of degree.(with example)

Learn the algebraic identities after writing it in your copy.

कक्षा - नवीं विषय - हिंदी (ग्रीष्म अवकाश हेतु गृहकार्य)

- 1.) दो बैलो की कथा को अपने शब्दों में लिखें, तथा मुंशी प्रेमचंद और दो बैलों का चित्र बनाए।
- 2.)समास का समान्य परिचय और उसके भेद को A4 पेपर पर बनाए।
- 3.) क्या लिखूँ? निबंध पाठ को संक्षेप में गृहकार्य कापी पर लिखें।

Subject: Social Science

VERY SHORT ANSWER TYPE QUESTIONS

Social Science

1. Name any one institution found in society.
2. Which discipline studies maps and spatial patterns?
3. Define diversity.
4. Name any two ideas mentioned in the Preamble to the Constitution of India.
5. What is equality?

Geography

1. Define plate tectonics.
2. Name the three main layers of the Earth.
3. What is weathering?
4. What is erosion?
5. Name two agents of erosion.
6. What is a glacier?
7. What is an earthquake?
8. What is a landslide?
9. What does GLOF stand for?

Political Science

1. What does the principle of Vasudhaiva Kutumbakam convey?
2. Why is regular election considered essential in a democracy?
3. How does political equality strengthen democracy?
4. Voter apathy is considered a challenge to democracy. Give a reason.
5. Differentiate between absolute monarchy and dictatorship.

SHORT ANSWER TYPE QUESTIONS

Social Science

1. Explain how Social Science connects daily life with classroom learning.
2. How does History help in understanding present day issues and identities?

3. Differentiate between diversity and inclusivity with one example each.
4. Explain how sustainability is linked to both development and environment.
5. Give two examples to show how real life problems require more than one Social Science discipline.

Geography

1. Explain the theory of plate tectonics.
2. Describe the structure of the Earth.
3. Differentiate between weathering and erosion.
4. Explain the work of rivers as agents of gradation.
5. How do waves shape coastal landforms?
6. Describe the action of wind in deserts.
7. Explain the formation of U-shaped valleys.
8. What are the causes of earthquakes?
9. Write short notes on landslides.
10. What is GLOF? Explain its impact.

Political Science

1. Define democracy. Mention any two essential features of a democratic government.
2. Distinguish between a parliamentary system and a presidential system.
3. State any two merits of democracy over other forms of government.
4. Explain the significance of regular elections in maintaining democratic values.
5. How does democracy accommodate social diversity?

LONG ANSWER TYPE QUESTIONS

Social Science

1. Discuss the meaning of society and explain how relationships and institutions together shape social life.
2. Describe the relevance of Social Science in understanding social issues such as inequality, exclusion, and discrimination, using suitable examples.
3. From an Indian perspective, explain how Social Science helps us understand diversity, constitutional ideals, and democratic governance.
4. Explain the scope of Social Science by describing the roles of Geography, History, Political Science, and Economics, and explain how these disciplines connect and overlap in real-life situations.

Geography

1. Explain the theory of plate tectonics with suitable examples.
2. Describe the interior of the Earth with a neat labelled diagram.
3. Explain different types of weathering with examples.
4. Describe the role of rivers in erosion, transportation and deposition.
5. Explain the work of glaciers as agents of gradation.
6. Describe the formation of coastal landforms by waves and currents.
7. Explain the causes, effects and safety measures of earthquakes.
8. Describe landslides and avalanches with preventive measures.
9. Explain Glacial Lake Outburst Flood (GLOF) and its impact on mountain regions.
10. Discuss dust storms and their effects in arid regions.

Political Science

1. "Democracy is considered better than other forms of government." Justify the statement.
2. Trace the roots of democracy in ancient India. Explain the role of Sabha and Samiti in Vedic era.
3. Discuss the challenges faced by modern democracies.
4. Explain the types of democracy.

SUMMER HOLIDAY HOMEWORK

Class IX

Any one-

Art and Craft Homework

1. Make a 3D model of the layers of the Earth using clay, thermocol, or cardboard.
2. Prepare a chart showing different types of landforms formed by rivers, glaciers, and wind.
3. Create a collage on "Unity in Diversity in India" using pictures from newspapers and magazines.
4. Make a poster on "Save Democracy" highlighting democratic values and citizens' rights.

5. Design a working volcano model showing volcanic eruption using baking soda and vinegar.
6. Prepare a creative timeline chart showing the evolution of democracy from ancient to modern times.
7. Make a wall hanging showing the Preamble of the Constitution of India with decorative borders.
8. Create a mini scrapbook on natural disasters like earthquakes, landslides, floods, and GLOF with pictures and safety tips.
9. Prepare a map-based craft activity showing major mountain ranges, rivers, deserts, and coastal plains of India.
10. Make an eco-friendly model or poster on sustainable development and environmental conservation using waste materials.

Instructions

- * Use neat handwriting and creative decoration.
- * Use eco-friendly and waste materials wherever possible.
- * Mention student name, class, section, and roll number on every activity.
- * Submit all work after summer vacation in a separate file/folder.

Subject-IT

Prepare a Resume in MS Word and E-Mail In (kumarcb.kumar@gmail.com) Also submit the print out of your resume.

Prepare File on Different Computer Components which includes Input, Output, Processing devices and different storage devices. {According to Roll wise}

Prepare a Chart paper according to your project.

Roll no. 1-15	Input devices
Roll no. 16-30	Output devices
Roll no. 31-45	Storage devices
Roll no. 46-52	Processing device

Subject: English

SECTION – A

READING SKILLS

Read the following unseen passages carefully and answer the questions that follow.

Unseen Passage – 1

India is a land of diversity. People of different religions, languages, traditions, and cultures live together in harmony. This unity in diversity is the strength of our nation. Festivals like Diwali, Eid, Christmas, and Pongal are celebrated with equal enthusiasm across the country. Indian culture teaches us values such as respect, kindness, and brotherhood. Students should learn to appreciate and respect all cultures and traditions.

Questions:

1. What is the strength of India?
2. Name any two festivals mentioned in the passage.
3. What values does Indian culture teach us?
4. Find a word from the passage which means “peaceful togetherness”.
5. What should students learn according to the passage?

Unseen Passage – 2

Trees are one of the most valuable gifts of nature. They provide oxygen, food, medicine, and shelter to birds and animals. Trees also help in controlling pollution and maintaining ecological balance. Nowadays, forests are being cut down rapidly for industries and urbanisation. This has led to global warming and climate change. Every person should plant more trees and protect the environment for future generations.

Questions:

1. Why are trees important?
2. What problems are caused by cutting forests?
3. What do trees provide to birds and animals?
4. Find a word from the passage which means “natural surroundings”.
5. What should every person do according to the passage?

SECTION – B

GRAMMAR AND WRITING

Grammar

1. Fill in the blanks with suitable articles:

- a. _____ sun rises in the east.
- b. She bought _____ umbrella yesterday.
- c. I saw _____ elephant in the zoo.
- d. He is _____ honest man.

2. Change the following sentences into indirect speech:

- a. He said, "I am reading a book."
- b. She said, "I will help you."
- c. Ram said, "We are playing cricket."

3. Change the voice:

- a. The teacher praised the student.
- b. They are cleaning the classroom.
- c. She wrote a letter.

4. Use correct tense forms:

- a. She _____ (go) to school every day.
- b. They _____ (play) football now.
- c. I _____ (finish) my homework yesterday.

Writing Task – 1

As a socially responsible citizen, you strongly believe that students can contribute significantly in promoting adult literacy. Write a letter to the Editor of a local newspaper emphasising the importance of student participation in adult literacy camps conducted by various organisations. Discuss the benefits of such initiatives for both students and society. Suggest effective ways to spread awareness and encourage more students to volunteer for this noble cause.

Writing Task – 2

Write a paragraph about a place that you have visited which has stayed in your memory.

Remember to mention:

- * Why did you go there?
- * Who did you travel with?
- * How did you prepare for the travel?
- * Where did you stay?
- * What activities did you do there?

Writing Task – 3

Reflective Writing – Identifying Skills and Passion

Follow the steps given below to create a write-up about your skills and passions.

Step 1: Introduction

Reflect on your passions and the skills you currently possess or are developing.

Step 2: Describing Skills

Describe specific activities or practices you engage in to nurture your skills.

Step 3: Passion into Profession

Identify which of these skills you believe have the potential to turn your passion into a profession.

Step 4: Examples and Reflection

Provide examples or anecdotes that illustrate how your skills and passions complement each other.

Step 5: Conclusion

Summarise your reflections and discuss any insights gained about yourself and your career ambitions.

SECTION – C LITERATURE

Chapter: How I Taught My Grandmother to Read

Answer the following questions:

1. Why did the grandmother feel embarrassed to ask someone else to read to her while the narrator was away?
2. Why does the narrator initially laugh at her grandmother's determination to learn at the age of sixty-two?
3. What significance does the story of Kashi Yatre have in both the grandmother's life and the story?
4. What does the grandmother's desire to learn the Kannada alphabet reflect about her?
5. What lessons can we infer from the grandmother's action of touching the narrator's feet?
6. What does the following line tell us about the broader theme of the story?
"For a good cause if you are determined, you can overcome any obstacle."
7. How effectively does the story highlight the value of education in supporting personal independence?

Chapter: Bharat Our Land

1. Recall the lines of the National Anthem and complete the table with the names of states, mountain ranges, and rivers mentioned in it.
2. Work in pairs. Discuss what the words "Jaya he" in the last two lines of the National Anthem convey.
3. Choose the odd one out:
 - a. She's peerless, let's praise her!
valuable, incomparable, unmatched
 - b. Many a sage has sanctified this land.
blessed, purified, applauded
 - c. And here all auspicious things are found.
fortunate, fantastic, favourable
 - d. Of hoary antiquity is Bharat.
ancient times, recent past, time immemorial
4. Answer the following questions:
 - a. How does the poem reflect a strong connection to cultural identity and heritage?

- b. What can you infer about the poet's attitude towards India from the repeated phrase "she's peerless, let's praise her"?
- c. What does the line "many a sage has sanctified this land" suggest about India's spiritual heritage?
- d. How does the poet connect warriors and music to India's greatness?
- e. How does this poem foster a sense of national pride?

5. Vocabulary in Context

Complete the table by choosing words from the poem:

Suffix	Meaning	Examples
-----	-----	-----
-ous	full of	_____
-ity	state of being old	_____
-est	superlative form	_____
-less	without something	_____

Chapter: The Pot Maker

1. Describe the process of pot making followed by expert pot makers, as observed by Sentila.
2. What warning was given to Mesoba by the village council?
3. How did Sentila feel when she failed at pot making even after a year of training with her mother?
4. "Onula stood there for a long time as if trying to absorb a new phenomenon." Explain.
5. "The tradition and history of the people did not belong to any individual." What does this symbolise?
6. What is the significance of the concluding line of the story, "A new pot maker was born"?
7. What is the role of perseverance in pursuing one's dreams? Elaborate with reference to Sentila.

Project Work

Prepare an English Scrapbook on any one topic:

Any one-

1. Famous Indian Authors
2. Importance of Reading Books
3. Indian Festivals

4. Environmental Protection
5. Inspirational Personalities

Instructions:

- * Use coloured pictures and creative borders.
 - * Write neatly in your own handwriting.
 - * Decorate the file creatively.
 - * Submit the holiday homework after summer vacation.
- Read English newspaper and write 5 hard words everyday and use it in daily life.

Subject Teacher: English Department

Subject-Hindi

कक्षा - नवीं विषय - हिंदी (ग्रीष्म अवकाश हेतु गृहकार्य)

- 1.) दो बैलों की कथा को अपने शब्दों में लिखें, तथा मुंशी प्रेमचंद और दो बैलों का चित्र बनाए।
- 2.) समास का सामान्य परिचय और उसके भेद को A4 पेपर पर बनाए।
- 3.) क्या लिखूँ? निबंध पाठ को संक्षेप में गृहकार्य कापी पर लिखें

प्रेमचंद की कहानी को पढ़कर संक्षेप में लिखें।

Artificial Intelligence

Important notes for Parents

- 1- Kids should use AI under adult supervision only.**
- 2-Time limit Max 20 mins /day on screen**
- 3-Focus is on talking about what AI said, not just copying.**
- 4-Use AI apps like Chat gpt, Gemini, Meta AI etc.**