

Dear Students

The beginning of new session might not have been with pomp and show, but the spirit of teaching learning continues. The summer vacations time can be utilized in learning new skills and hobbies. Utilize your time productively.

Here are some activities suggested for creative utilization of time. Give a flight to your imagination and spend time purposely.

- Holiday Homework is a part of subject enrichment and will be assessed on the basis of creativity and efforts of the students.
- Its the perfect time to enhance your speaking skills and vocabulary and improve your handwriting.
- converse in English with your family and siblings.
- Reading is essential for those who seek to rise above the ordinary.
- Read story books to improve your literary skills.

### English IX

- Visit places of interest during your summer vacations and write 5 Diary entries on your memorable summer vacation moments in English register.
- Make a project of 20-25 pages (colored) with appropriate pictures on the topics as discussed in the class.
- Read and make proper notes of **Gifts of Grace-honoring our Vocations and The world of Limitless possibilities.**

कक्षा – 9 विषय – हिंदी

ग्रीष्मावकाश गृह कार्य

प्र0 1 (क) अपनी पाठ्य पुस्तक 'गंगा' में संकलित लेखक अथवा कवियों में से किसी एक का चुनाव करें एवं उनके जीवन और कृतियों के संबंध में जानकारी चित्र सहित साझा करें।

(ख) परियोजना कार्य **Art Integration State Pair** के आधार पर दिया जाएगा।

उपर्युक्त कार्य के लिए एक आकर्षक फाइल बनाइए।

- प्र0 2 अनौपचारिक पत्र का प्रारूप लिखिए एवं प्रारूप का अनुसरण करते हुए निम्न पत्र लिखिए— (इस कार्य के लिए एक अभ्यास कॉपी बनाइए।)  
आपका नाम राहुल/रश्मि है। आप देहरादून में छात्रावास में रहते हैं। आप गलत संगति से बचने का प्रयास लगातार कर रहे हैं इसकी जानकारी अपने पिता जी को देते हुए लगभग 120 शब्दों में पत्र लिखिए।
- प्र0 3 अनुच्छेद लेखन— भारत एक लोकतांत्रिक देश एवं शुद्ध वातावरण की आवश्यकता विषय पर अनुच्छेद लिखिए। (इस कार्य के लिए एक अभ्यास कॉपी बनाइए।)
- प्र0 4 स्पैक्ट्रम के लिए स्वरचित कहानी , लेख , कविता लिखें। ( कोई एक)

### MATHS HHW CLASS – IX

- Q1. Learn all the algebraic identities from the chapter polynomial.
- Q2. Do the written practice of all the chapters coming in the unit test -2 in rough notebook.
- Q3. Write an activity in a presentable way related to mid- point theorem on A3 size sheet.
- Q4. Construct a square root spiral up to  $\sqrt{10}$  using colorful paper, thread, and rulers, showcasing the construction on A-3 size sheet.
- Q5. Research and write a short project on the history of  $\pi$ (pi) including how the value has been calculated throughout history.
- Q6. Make a portfolio on the given topics assigned to your Roll no.

#### R.NOS TOPICS

1-4. NUMBER SYSTEM

5-8. HISTORY OF ZERO

9-12. PROJECT ON COORDINATE GEOMETRY

13-16. PROJECT ON EUCLID GEOMETRY

17-20. REMAINDER THEOREM AND FACTOR THEOREM

21-24. INDIAN MATHEMATICIANS AND THEIR CONTRIBUTION TO MATHEMATICS.

25-28. HISTORY OF ALGEBRA.

29-32. MAKE PROJECT ON LINES AND ANGLES

33-36. LINEAR EQUATIONS IN TWO VARIABLES AND THEIR REPRESENTATION ON GRAPHS

37 ONWARDS. IRRATIONAL NUMBERS AS REAL NUMBERS

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**CLASS IX (SCIENCE)  
HOLIDAYS HOMEWORK**

1. **Make Short Notes of the following chapters in a separate holidays homework notebook:**
  - a. **Chapter** -Exploring Mixtures and their Separation
  - b. **Chapter** – Cell: The Building Block of Life
  - c. **Chapter** – Tissues in Action
  - d. **Chapter** – Describing Motion Around Us
  - e. **Chapter** – How Forces Affect Motion
2. **Make a portfolio containing the following :**
  - a. Write **all formulas** of physics chapters ( Motion , Force and laws of Motion , Gravitation , Work and Energy and Sound) on A4 SHEETS
  - b. **Chemical formulas** of all compounds of Chemistry Chapter **Journey Inside the Atom** of **NCERT textbook** on A4 SHEETS.
  - c. Colorful diagram of **Cell: The Building Block of Life, Tissues** on A4 SHEETS.
3. **Prepare your own PowerPoint presentations (DO NOT DOWNLOAD FROM GOOGLE) on the following topic:**
  - a. **Earth as a System: Energy, Matter, and Life**
  - b. **Comparison between Natural Resources of Delhi and Lakshadweep.**

## **HOMEWORK CLASS 9TH SST**

### **Q1) DISASTER MANAGEMENT PROJECT**

Prepare a project on disaster management. Choose one topic from the following according to your roll number:

- Cyclones (**Roll no 1-6**)
- Earthquake (**Roll no 7-12**)
- Drought (**Roll no 13-18**)
- Nuclear accidents (**Roll no 19-24**)
- Landslides (**Roll no 25-30**)

- Floods (**Roll no 31-36**)
- Chemical and industrial accidents (**Roll no 37-45**)

**Your project will start with the following points:**

- Definition of ‘Disaster’
- What is disaster management?
- What are the types of disasters?
- What is a hazard?
- Differentiate between hazard and disaster
- Based on your selection of a disaster according to your roll number, explain its **Meaning, Causes, Do’s and Don’ts, Prevention and mitigation measures, Latest means of forecasting disasters.**

**Instructions**

- Prepare the project in a thread folder
- Project should be handwritten on plain A4 size sheets
- Project should have at least 15–20 pages
- Credit will be awarded to original drawings, illustrations and creative use of eco-friendly material
- The project report should be developed and presented in the following order:

**Format of Project:**

- Cover page showing project title, student information, school and year
- Acknowledgement
- Index (Containing 3 columns – Sr. No., Topic, Page No.)
- Content with relevant headings
- Bibliography should have the title, author, publisher and if a website the name of the website with the specific website link which has been used

**Q2) Prepare a Scrap file**

Choose one topic from the following according to your roll number:

» Roll no: 1 -14 **Atmosphere and Climate**

**Points to be covered:**

- Define the atmosphere and write its importance.
- List the composition of air with percentages.

- Draw and label the layers of the atmosphere.
- Differentiate between weather and climate.
- List and explain elements of climate briefly.
- Describe factors affecting climate with examples.
- Define climate change.
- List major causes.
- Suggest measures to reduce climate change.

» Roll no: 15 -32 **Smart Ways to Manage Your Finances**

**Points to be covered:**

- Define personal financial management & explain it's impact.
- Explain how managing money helps.
- Define inflation & explain it's impact.
- Define budgeting.
- Explain how to prepare a simple budget.
- List benefits (control spending, increase savings).
- Define income tax.
- Explain why people pay tax.
- Use diagrams and tables

» Roll no: 33 -45 **Elections**

**Points to be covered:**

- Define elections.
- Explain why elections are important in a democracy.
- Define electoral system.
- Explain types briefly:
  - First Past the Post (FPTP)
  - Proportional Representation (basic idea)
- Define Election Commission of India & explain its roles.
  
- Define political party.
- Explain their role in elections.

**[NOTE- PASTE OR DRAW PICTURES/DIAGRAMS/TABLES. USE YOUR CREATIVITY MAKE IT PRESENTABLE]**

**Q3) Article Integration project**

Create a A3 Poster displaying the culture of Andaman and Nicobar. Focusing on its:

- Food,
- Clothes
- Traditions.

Draw or Paste pictures along with the information. Use your creativity and make the file presentable.

