

# Summer



## Holidays Homework

### CLASS IX





**ROOP VATIKA SCHOOL**  
AFFILIATED TO CBSE, NEW DELHI

## **PREFACE**

**Dear Parents and Students,**

Summer vacation is around the corner, bringing with itself a much-needed respite from hectic school days. We hope that you will thoroughly enjoy the vacations and make the most of this summer. While it is indeed important that you relax and refresh yourselves, it is also important that you exercise your minds.

Keeping this in mind, we have designed various exciting activities to keep the students engaged and active during the summer vacation. These fun projects/ assignments would enhance learning skills, help understand concepts better, and make for a great crash course aimed at improving academic output.

These activities will not only help you to revise what was taught, but will also enrich your knowledge. These projects will be assessed as Subject Enrichment Activity, Portfolio or Art Integrated activity.

We encourage parents to motivate and support the students to ensure the given work is completed in time, to the best of their ability. Your support and encouragement both have a huge impact on your child's learning ability.

The Holiday Home Work is to be done neatly with relevance to the questions asked and to be submitted to the subject teachers within a week of reopening of the school.

**Homework submitted late will invite negative marking. It is important that deadlines are met.**

**Wishing you a fun filled, safe summer vacation.**

**PRINCIPAL  
ROOP VATIKA SCHOOL  
JAGRAON**

# ROOP VATIKA SCHOOL , JAGRAON

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## SUMMER HOLIDAYS WORK , 2024-25

**“A vacation helps to relieve stress and boredom, gives us a change of scenery, provides us with adventure, and helps to bring us closer to the people in our lives.”**

**!!!! ENJOY SUMMER VACATIONS !!!!**

**Class : IX**  
**Rani**

**In-charge name: Nisha Bansal, Geeta**

### **Subject-English**

**1. Prepare a project file on ch My childhood ( introduction, about author, theme, characters and summary).**

**Design an attractive page cover.**

**2. Write a diary entry of your visit to some place in vacation describing your experience.**

**Guidelines :**

- **Project should be done individually.**
- **It should be a handwritten project and should be summed up in 15 to 20 pages.**
- **The project must have a Table of contents, Title/ Cover page, Certificate,**

**Acknowledgement,**

**Description of given Topic( with pictures), Bibliography.**

**Complete your fair notebooks.**

**# Prepare a project file on ch My childhood ( introduction, about author, theme, characters and summary)**

**Design an attractive page cover of the file.**

**# Write a diary entry of your visit to some place in vacation describing your experience**

### **Subject-MATHEMATICS**

**Click on the given link for Summer Holiday Homework.**

[https://drive.google.com/file/d/1n61TdapCojR1cE8LUUoQJMLo\\_PUi7ZiV/view?usp=drivesdk](https://drive.google.com/file/d/1n61TdapCojR1cE8LUUoQJMLo_PUi7ZiV/view?usp=drivesdk)

## Subject -Science

### Physics

(I) Complete the assignment questions given in below link.

<https://drive.google.com/file/d/19naQJZh9bu6NVX75dVp-LhAz-C2iokLG>

(II) Prepare the beautiful infographics (Handmade) on Forces and Laws of Motion.

Note: Above work to be done on A4 size sheets and to be submitted in beautifully decorated file.

### Biology

(1) Draw beautiful Diagrams of atleast 6 cell organelles and Arrange them on chart through cutting and pasting in a efficient and artistic way

OR

(2) Draw a beautiful chart showing animal cell or plant cell with labelling.

(3) Do the following assignment on assignment sheets with beautiful decoration on it.

Prepare your chapters and enjoy your holidays 🍀

### Assignment

Solve these questions on assignment sheets and arrange them in beautiful file.

1. Which cell organelle is called power house of cell?
2. Write one difference between animal and plant cell.
3. What is osmosis?
4. Write three functions of plasma membrane.
5. Write two types of ribosomes.
6. What is the difference between SER and RER and also provide their full form?
7. What is epithelial tissue?
8. Who discovered Golgi bodies? What are their functions?
9. What is mitosis and meiosis?
10. Name the discoverer of Nucleus ,Mitochondria and cell.
11. Write three functions of nucleus.
12. Draw diagram of animal cell with beautiful coloring and labelling.
13. What is difference between cardiac and muscle tissue?
14. Which is the longest cell of the human body?
15. What is isotonic, hypotonic and hypertonic solution?

### Chemistry

## **Ch-1**

**1 Naphthalene balls disappear with time without leaving any solid?**

**Q-2 Why does perspiration keep our body cool?**

**Q-3 Water Kept in earthen pot becomes cool during summer?**

**Q4. Steam produces more severe burns than water?**

**Q.5. Define latent heat of fusion?**

**Q.6. Why should we wear Cotton clothes in summer?**

**Q.7. Why do water droplets on the outer surface of a glass containing ice-Cold water appear?**

**Q.8. How humidity effect the evaporation phenomenon?**

**Q.9. when a solid melts, its temperature remains the same, so where does the heat energy go?**

**Q.10. Name the property of gases that helps aquatic plants and animals to survive in water?**

**Q.11. What happens when we apply pressure to the particles of matter?**

**Q.12. Why is ice at 273 K more effective in cooling than water at the same temperature?**

**Q.13. If the melting point of an object A is high then what state do you expect it to be at room temperature?**

**Q.14. Suggest a method to liquefy atmospheric gases.**

**Q.15. What is the physical state of water at-**

**a) A temperature of 25°C ?**

**b) A temperature of 0°C ?**

**c) A temperature of 100°C ?**

## **SUBJECT: SOCIAL SCIENCE**

**Prepare any one project file on topics -**

**Village to palampur (Economics)**

**Disaster Management (Economics)**

**Forest Society and Colonialism.(History)**

**Natural Vegetation and Wildlife (Geography)(Do it in preferably A4 Size paper.)**

## **GUIDELINES FOR SUBMITTING THE PROJECT**

**Use A4 size sheets – coloured or white**

**It should be a hand written project.**

**You can use newspaper clippings, maps, diagrams and material from the web**

**Each illustration should be supported with a write up/relevance to the topic**

**The cover page should be written in bold letters with the topic, name and roll number and class and section.**

**FOLLOW THE SEQUENCE OF PAGES AS GIVEN BELOW:**

**Cover Page**

**Title of Project**

**Name of submitter**

**School name**

**Year – 2023-24**

**Acknowledgement**

**Content with page number**

**Introduction**

**Start from the topics mentioned above**

**Summary and Conclusion**

**Bibliography**

**Reflection – Your reflection / experience while doing this project. Also add your learning outcome.**

**Teacher's remark**

**Leave a blank page at the end**

**Prepare an Art Integrated Project on the topic “ Monuments and Architecture of Odisha and Punjab state. ( Do it in preferably A4 Size Sheet. )**

**Map work**

**In a Political map of India show the following things.(Do it in suitable map and paste or pin it (in Class work copy)**

- A. India-States with Capitals**
- B. Tropic of Cancer**
- C. Standard Meridian**

**Read and revise the chapter taught in the class.**

**Complete notes and do assignments in the notebook.**

### **Assignment**

**Answer the following questions.(Do it in class work copy**

- 1.The sun rises two hours earlier in Arunachal Pradesh as compared to Gujarat in the west but the watches show the same time. How does this happen?**
- 2.The central location of India at the head of the Indian Ocean is considered of great significance. Why?**
- 3.Modern farming methods require more inputs which are manufactured in industry. Do you agree?**
- 4.Explain the different factors of organization of Production.**
- 5.What are the different ways of increasing production on the same piece of land? Use examples to explain.**
- 6.Write the merits and demerits of Green Revolution.**
- 7.Define democracy ? Write its key features.**
- 8.Write the arguments against democracy.**
- 9.Write the arguments for democracy.**
- 10. Write geographical features, location, area of India.**

### **Subject - Punjabi**

- 1. ਜੰਗ ਫੂਡ ਦਾ ਵਧ ਰਿਹਾ ਰੁਝਾਨ ਅਤੇ ਇਸ ਤੋਂ ਹੋਣ ਵਾਲੇ ਨੁਕਸਾਨਾਂ ਬਾਰੇ ਦੱਸੋ**
- 2. ਪੁਰਾਣੀ ਪੀੜੀ ਅਤੇ ਨਵੀਂ ਪੀੜੀ ਵਿਚਕਾਰ ਬਦਲਦੀ ਸੋਚ ਉੱਪਰ ਆਪਣੀ ਵਿਚਾਰ ਦਿਓ**
- 3. ਸੋਸ਼ਲ ਮੀਡੀਆ ਅਤੇ ਤੇ ਟੈਕਨੋਲੋਜੀ ਦੇ ਸਾਡੇ ਜੀਵਨ ਉੱਪਰ ਹੋ ਰਹੇ ਪ੍ਰਭਾਵ ਬਾਰੇ ਆਪਣੇ ਵਿਚਾਰ ਦਿਓ**

**Do on colourful assignment sheets**

### **Subject - IT**

- 1. Create a document on “ Technology - Boon or Bane ” in MS- Word.  
Apply all the formatting features-Font style, background color, Image /clipart , Wordart etc.**

2. Create a document and make on table of different dictionary words with their synonyms using feature of thesaurus in MS - word . The table formatting features should be applied effectively.

### Subject - Hindi

निर्देश:- सारा कार्य सदंर व स्पष्ट लिखाई में हो।

- कि सी एक विषय पर A4 sheets पर परि योजना कार्य(र्य Project file) बनाइए:- कबीर / मीराबाई
- Assignment पाठ 'अतिथि तमु कब जाओगे' पढ़ि ए तथा पस्तुतक (textbook)के प्रश्न उत्तर ढूँढ कर अपनी

कॉपी पर लिखें।

- Assignment पाठ 'एवरेस्ट मेरी शिखर यात्रा' पढ़ि ए तथा पस्तुतक के प्रश्न उत्तर ढूँढ कर अपनी कॉपी पर लिखें।

- अभी तक जो भी यह कार्य करवाया है उसे दोहराएं।

आप सभी स्वस्थ रहें, मस्त रहें, खुश रहें, सीखते रहें, पेरेंट्स की सहायता करते रहें।

बहुत-बहुत आशीर्वाद।

विषयाध्यापिका (हिंदी) :-

कविता नईयर

