



BURARI PUBLIC SCHOOL

a venture with **UNIQUE**



NAME:.....

CLASS:.....

ROLL NO.:.....

BURARI PUBLIC SCHOOL

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SUMMER HOLIDAY HOMEWORK (2024-25)

Class X

Dear children,

- **You matter us most and we All Miss You!**
- **Stay safe**
- **Be kind to your family.**
- **Get creative**

Summer vacations are at our doorsteps. Holidays are a well deserved opportunity to relax and rewind by indulging in activities that are pleasurable at the same educative. You are going to enjoy your holidays. It's a sincere request to all to complete holiday projects and home assignment on time. Engage yourself whole heartedly as you will learn a lot through it. Practice your hobbies or inculcate new hobbies. Do a lot of reading it can be newspapers, magazines, books or novels. Watch English news daily in order to equip yourself with the information and facts to be used as content in the writing skills.

Summer Holiday Homework is an initiative on our part, to inculcate innovativeness.

Creativity and interest in the tasks assigned to our students. It will not only enable them to recapitulate what was taught but will also help them to connect themselves to the various learning processes. Kindly ensure that your child complete the assignment neatly.

General Instructions

- All the work should be hand-written.
- Original drawings/illustrations and creative use of material will be appreciated.
- Present your work on A4 size sheet and put it in an attractive folder with your name and class clearly written at the top.

English

Use all your creativity, imagination and your wonderful ideas to create the following homework. You are free to use different color sheets, pens, colors, etc. (Use A4 size sheets, so that you can easily put up them in a file).

Don't forget to mention your details, such as – **Student's Name, Class & Section, Roll Number, School Name, Teacher's Name and Submission Date.**

1. Reading and analysis: Unputdownable Reads

- Read a mystery, thriller, or sci-fi novel of your choice.
- Write a book review, including:

Summary (100–150 words)

Your favorite character and why

A new word list (at least 10 words with meanings)

2. Creative Writing

- Letter to Your 30-Year-Old Self

Write a letter to yourself 10–15 years in the future, describing your dreams, goals, and hopes.

3. Grammar & Language Play

- Grammar in a Meme

Create two memes or cartoons that explain a grammar rule (e.g., subject-verb agreement, active/passive voice).

Be funny and creative!

- Grammar in the Headlines

Pick five newspaper headlines and analyze their sentence structure & tense.

Rewrite two of them in a different tense.

4. Speaking & Listening Activities

Podcast Power

Record a 2-minute podcast discussing:

An inspiring person you admire.

A social issue you feel strongly about (e.g., climate change, education for all).

Note: Share podcast to me on my personal number 7982166088 mentioning your name and class.

5. Fun and Interactive Task

- Create a Travel Vlog (Without Traveling!)

Choose a country you dream of visiting.

Create a fake travel vlog script describing your “trip” (places visited, food tried, activities done).

Hindi

कार्यकलाप-1 - अपनी पाठ्यपुस्तक से किसी एक लेखक या लेखिका के जीवन परिचय पर परियोजना कार्य करें तथा लेखक या लेखिका का चित्र भी चिपकाएं।

कार्यकलाप -2 हिंदी भाषा का उत्थान शीर्षक लिखकर चार्ट पेपर तैयार करें।

कार्यकलाप-3 समास को परिभाषित करते हुए परियोजना कार्य तैयार कीजिए।

कार्यकलाप-4 कबीर दास के पांच दोहे A4 साइज शीट पर लिखे तथा आकर्षक बनाएं।

कार्यकलाप -5 अलंकार पर एक परियोजना कार्य तैयार कीजिए तथा परियोजना कार्य को आकर्षक बनाने के लिए रंगीन पेपर का प्रयोग कीजिए।

कार्यकलाप-6 आप अक्सर माता-पिता या सहपाठियों के साथ यात्रा पर जाते हो। आपको यात्रा के दौरान कई प्रकार के अनुभव होते हैं। उन अनुभवों पर आधारित एक यात्रा वृत्तांत लिखिए। जिसमें कुछ प्राकृतिक दृश्य का भी समावेश हो यह कार्य रंगीन पेपर का प्रयोग करते हुए करें।

Mathematics

A. Mathematics in Real Life:

Research how Trigonometry is used in architecture, astronomy, and navigation.

Explain with real-life examples, images, and calculations.

Golden Ratio & Fibonacci Series in Nature:

B. Study the Fibonacci sequence and Golden Ratio (1.618).

Find at least 5 places where it appears in nature, architecture, and art.

Make a creative scrapbook or PowerPoint presentation with images and explanations.

C. Bonus Task: Fun with Mathematics

Watch the movie “The Man Who Knew Infinity” (on mathematician Srinivasa Ramanujan) and write a short review on what you learned.

Explore the history of π (pi) and find its applications in modern science.

Submission Guidelines:

All handwritten work should be neat and well-organized.

Research work should include diagrams, pictures, and real-life examples.

Science**Physics:**

1. Explore how light interacts with different surfaces and materials, using mirrors and lenses
2. Use a prism or a glass of water to demonstrate how light separates into different colors,

Chemistry:**Theme: Exploring Chemistry in Daily Life****Section A: Research Work**

Choose any one topic and prepare a detailed report (3-4 pages) with pictures and references.

1. **Plastic Pollution:** Why is plastic harmful? Suggest 5 eco-friendly alternatives to plastic.
2. **Chemistry in Food:** The role of preservatives, antioxidants, and artificial flavors in food.

Section B: Fun Activity

Choose one fun activity and record your observations.

1. Natural pH Indicator:

Extract juice from red cabbage, turmeric, or hibiscus and test it with vinegar, baking soda, soap water, and lemon juice.

Note the color change and conclude the nature of substances (acidic/basic/neutral).

2. Invisible Ink Experiment:

Use lemon juice or baking soda solution as invisible ink.

Write a secret message on paper and reveal it by heating the paper.

Submission Guidelines:

Research work should be handwritten or printed on A4 sheets with proper headings and pictures.
Observations of the fun activity in a scrapbook with photos (if possible).

Biology:

1. Create a diagram illustrating the human digestive system.
2. Research and write about different types of nutrition (autotrophic, heterotrophic, etc.).
3. Prepare a chart comparing photosynthesis and respiration.

Social Science**“Exploring the Past, Understanding the Present”****1. Make a Short Film (History – Fun Research Project)**

Research any freedom fighter (lesser-known heroes preferred) and create a 2-minute video narrating their story.

You can act as the person, use pictures, or even make a stop-motion animation.

2. Where in India? (Geography – Mapping & Research Game)

Pick a mystery Indian state and give 5 clues about its climate, rivers, industries, and culture.
Challenge your friends/family to guess the state before you reveal it.

Write a short report on how geography impacts life there.

3. Be a Politician (Civics – Speech & Research Activity)

Choose a real-world political issue (e.g., Youth Unemployment, Education Reforms, Women's Safety).
Write a 1-minute speech proposing a solution.

Record a video of yourself delivering the speech (optional).

4. Design Your Own Currency (Economics – Creative Task)

Design a currency note for a futuristic India (Year 2050).

Include: A new leader, a national symbol, security features, and a hidden message.
Write a short note explaining why you chose the elements.

Submission Guidelines:

Format: Written in a file/folder, with photos or digital elements.

Assessment Criteria: Research, creativity, depth of analysis, and presentation.

Computer Application

Make a project File on both of the following topics

Basics of Internet

- Definition of Internet
- History of the Internet
- Advantages and Disadvantages of internet.
- Introduction to WWW
- Websites
- Webpages
- HTML – Definition, Features
- Email and Email Address
- Internet Protocols – TCP/IP, SMTP, POP3, HTTP, HTTPS, FTP, SFTP, SSH, SCP

Cyber Ethics

- Define Cyber Ethi
- Netiquettes
- Intellectual Property Rights
- Copyright, Trademark, Patent
- Plagiarism
- E-Commerce: Privacy, Fraud, Secure data transmission
- E-Commerce: Secure data Transmission

Note: Use A4 Practical Sheets, Punched Hole File, Decorate it properly, Paste Pictures and at least 30 pages must be there.

File must include

Acknowledgement

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Bibliography

