



JAGRAN SOCIAL
WELFARE SOCIETY

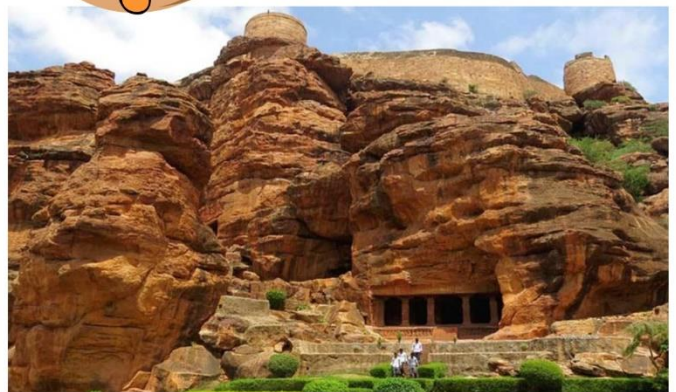
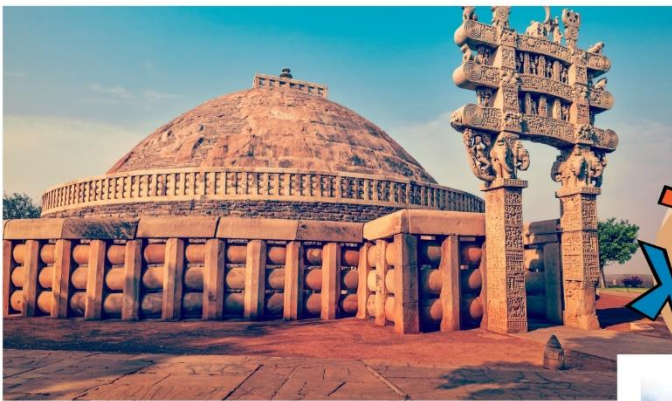


Delhi Public School
Kolar Road Bhopal

SUMMER HOLIDAY

HOMework

CLASS-X



Laying the foundation of excellence



Delhi Public School
Kolar Road Bhopal

PREFACE

Dear Parents and Students,

'Learning is a lifelong process, and summer holidays are an excellent chance to explore new ideas, reinforce existing knowledge to develop essential skills. The Summer Holiday Homework is designed to make your summer break both fun and productive.

These projects will be assessed as Subject Enrichment Activity, Portfolio or Art Integrated Activity. These carry marks as per the weightage of Internal Assessment.

We encourage parents to motivate and support their wards 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 on before 20th June 2025. **Homework submitted late will invite negative marking. It is important that deadlines are met.***

Wishing you a fun filled, safe summer vacation.

**PRINCIPAL
DPS KOLAR ROAD**

ENGLISH

Integrated Project for Class 10: Exploring Bihar's Cultural Heritage

Theme: "The Artistic Splendor of Bihar: A Journey Through Tradition and Culture"

What is a portfolio?

A portfolio is a purposeful collection of intentionally chosen student's work representing a selection of performances that is assembled over time and describes the learner's efforts, progress, growth and achievement in key areas learning outcomes. It is a tool for assessing a variety of skills not usually testable in a single setting of the traditional written paper and pencil tests.

A portfolio, on one hand helps to establish a common vision of goals and holistic picture of students learning, on the other, increases accountability and contributes to improved teaching and learning. The key elements of the particular criteria need to be specified as well.

Criteria for making the portfolio:

- Organization – Neatness and Visual Appeal
- Creativity of work
- Evidences of student's learning and growth

1. "Design a 5-fold brochure that highlights the rich culture, history, and attractions of Bihar. Your brochure should focus on the following key topics:
 - Historical Significance: Mention important historical events and monuments from Bihar (e.g., the Maurya and Gupta empires, Bodh Gaya, Nalanda University).
 - Cultural Heritage: Showcase Bihar's traditional arts, music, dance forms, and festivals.
 - Tourist Destinations: Highlight popular tourist spots such as Patna, Bodh Gaya, Rajgir, and Vaishali.
 - Cuisine: Introduce traditional dishes and street food that are popular in Bihar.
 - Literature: Explore Bihar's contribution to Indian literature, mentioning renowned writers, poets, and literary traditions.
 - Famous Personalities: Include famous people from Bihar such as Dr. Rajendra Prasad, Gautama Buddha, and others.Ensure your brochure is informative, visually appealing, and captures the essence of Bihar's diverse heritage.
2. Imagine you are a traveller journeying through a mystical forest at dawn. As you explore, you encounter the beauty of nature in its purest form — the

whispering trees, the singing birds, the shimmering river, and the soft glow of the morning sun. Write a poem that captures the sights, sounds, and emotions you experience as you connect with the natural world around you.”

3. Solve the Comprehension Passages 1-3 from the Grammar Workbook as per the Booklist uploaded on School pad (Lakecity Publications)

HINDI

यात्राएँ जीवन के अनुभवों के विस्तार के साथ मानव के बौद्धिक विकास में महत्वपूर्ण भूमिका निभाती हैं। बौद्धिक विकास के लिए बिहार और मध्य प्रदेश के प्रसिद्ध स्थलों के बारे में यात्रा वृत्तांत को साक्षात्कार के रूप में लिखिए। (शब्द सीमा - 150-200 शब्द) (A -4 साइज़ रंगीन शीट)

SANSKRIT

मध्य प्रदेश में स्थित उज्जयिनी नगरी से संस्कृत का अविस्मरणीय इतिहास जुड़ा हुआ है अतः यहां के संस्कृत से संबंधित इतिहास पर आधारित जानकारी एकत्रित कीजिए एवं उस पर आधारित संस्कृत में कम से कम 150 शब्दों में एक अनुच्छेद लिखिए।

FRENCH

1. Dessinez une page d'un journal y compris les titres suivants : La politique étrangère, la culture, le sport, la météo, les petites annonces (French daily)
2. Prepare a PPT on educational System of France or Political System of France.

MATHEMATICS

Click on the link for holiday home work

<https://drive.google.com/file/d/1MeKtiTEtCbupgUSWANWPZN4MXDh7Bh6y/view?usp=sharing>

PHYSICS

Prepare a working or non-working model based on any concept of physics that interests you. You can work individually or form a group of 3-4 students.

Instructions:

- Please submit your models on the designated submission date.
- Be prepared to explain your project to the class.
- Creativity and understanding of the concept will be assessed.
- Models should be neatly presented and labelled.
- Students are encouraged to use innovative and eco-friendly materials.

Suggested Topics

- Reflection and refraction model
- Mirror and lens model to show image formation
- Periscope, telescope, solar furnace, prism model
- Human eye model with lens
- Model to demonstrate defects of vision (myopia/ hypermetropia)
- Electric circuits, series and parallel combination of electric circuits.

- Model to demonstrate Ohm's law
- Light dependent resistor circuit
- Electromagnet, solenoid
- Model to show domestic electric circuit

Assessment Criteria:

- Understanding of the concept
- Creativity and originality
- Presentation and labeling
- Teamwork and collaboration

If you have any questions or need guidance, please reach out to your Physics teacher.

CHEMISTRY

1. Write the experiments in a practical file as instructed by subject teacher.
2. Prepare the infographics on types of Decomposition reaction.

BIOLOGY

1. Prepare a mind map of endocrine glands and their functions.
2. Write the experiments in the practical file as instructed by subject teacher

SOCIAL SCIENCE

1. Soil and Crops of Bihar and Madhya Pradesh:

(For the students of class 10 A, B&C)

Students will prepare a chart covering the following topics:

- * Map showing both the states.
- * Types of soil available in Bihar and Madhya Pradesh.
- * List any 3 major crops of Bihar and Madhya Pradesh and describe the geographical conditions required for their cultivation.

Minerals and industries of Madhya Pradesh and Bihar.

(For the students of class 10th D, E and F)

Students will prepare a chart covering the following topics on the map of Bihar and Madhya Pradesh.

- * Locate and label various minerals available.
- * Write the names of any 3 important industries and the factors responsible for their location.
- * Make a list of various resources used to generate electricity in Bihar and Madhya Pradesh.

2. Project :

As per CBSE guidelines, students of class 10 have to submit a project on ECONOMICS which will be based on Chapter 5 "CONSUMER RIGHTS".

Project should be submitted under the guidelines given below :

- * Students need to prepare their project on A4 size paper, which should be handwritten.
- * Project should consist maximum 10 pages.

Following content should be covered in the project :

- * Cover Page, Title, Topic, Name of the student, Scholar Number, Class and Section, Acknowledgement, Meaning of Consumer Rights and its types description of any one consumer court case in brief and explanation of relevant consumer rights based on the written case,
- * Catchy Slogan for spreading consumer awareness. Students can use pictograph in their project wherever it is required to make their work attractive and meaningful.

INFORMATION TECHNOLOGY

Take the printout of the Project file and get it spiral binding.

<https://drive.google.com/file/d/1k74lsF5JRyy1Tj7wr-B0EXOSJmJWGXDD/view?usp=sharing>

ARTIFICIAL INTELLIGENCE

1. Complete the Activity: My Goodness <https://www.my-goodness.net/> and take a printout of the survey. (Refer to the AI Handbook)
2. Identify 10 Latest AI Technologies/Applications and categorize them under respective AI domains. Additionally, specify the type of data used by each application. Present your findings in a tabular format.

INTRODUCTION TO FINANCIAL MANAGEMENT

Write a short note (around 150–300 words) on the topic: “Investment in Physical and Financial Asset Classes.

Your answer should include:

- Definition of Physical Assets with examples (like gold, real estate, etc.)
- Definition of Financial Assets with examples (like stocks, bonds, mutual funds, etc.)
- Differences between Physical and Financial Assets
- Advantages and disadvantages of both.

INTRODUCTION TO TOURISM

Make a project file of 10 pages on any one tourist destination of India.

- A) Explore the cities rich cultural heritage, vibrant tourism industry following the concept of sustainable tourism with a focus on local initiatives.
- B) Decorate your project by designing a beautiful cover page and pictures to make it impactful.

PAINTING

1. Draw and Paint on A2 size sheet.
2. Human composition topics -
 - (a) Any game, Market scene
 - (b) One Still life painting

MUSIC

Make a music project file and write about the following topics-

1. Draw and label the diagram of tanpura
2. Tunings of tanpura
3. Introductions and Notation of Raag bhupali
4. Taal -Rupak and tilwada
