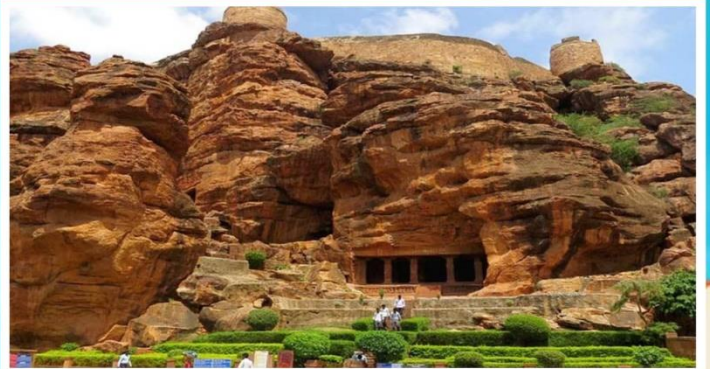




**DELHI
PUBLIC
SCHOOL**
Kolar Road

SUMMER HOLIDAY HOMEWORK

CLASS-X



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 or before **Monday, 22nd June 2026**. 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

1. English

WHAT IS A PORTFOLIO?

A portfolio is a purposeful collection of intentionally chosen student work representing a selection of performances assembled over time. It describes the learner's efforts, progress, growth, and achievement.

Criteria for Assessment:

Organization: Neatness and visual appeal.

Creativity: Originality in design and presentation.

Evidence of Learning: Depth of research and clarity of information.

TASK 1: POWERPOINT PRESENTATION – THE ARCHITECT OF FREEDOM

Create a 7-slide presentation detailing the life and legacy of Nelson Mandela. Keep clues short and to the point.

Slide 1: Title Slide (Project Title, Name, Class/Section).

Slide 2: Early Life (Education and early influences).

Slide 3: System of Apartheid (Brief explanation of racial segregation).

Slide 4: Struggle and Sacrifice (Activism and 27 years of imprisonment).

Slide 5: The Turning Point (Release from prison and the 1994 election).

Slide 6: President and Visionary (Inauguration and work on national reconciliation).

Slide 7: Legacy (Global impact and human rights influence).

TASK 2: HERITAGE BROCHURE – THE CULTURAL MAP OF BIHAR

Design a 5-fold brochure acting as a guide to Bihar's identity. Ensure points are short and concise.

Point 1: Ancient Governance (Maurya/Gupta empires and Nalanda University).

Point 2: Artistic Traditions (Manjusha Art and Tikuli Craft).

Point 3: Spiritual Trails (The Sikh Circuit/Patna Sahib and Jain Circuit/Pawapuri).

Point 4: Eco-Tourism (Sonepur Mela and Kanwar Lake Bird Sanctuary).

Point 5: Modern Icons and Flavors (Leaders like Jayaprakash Narayan; Dishes like Thekua and Anarsa).

TASK 3: DATA ANALYSIS – THE DATA DETECTIVE

Lencho, the main character in the story, is a farmer. He supports his family through farming. The conflict in the story happens when a hailstorm strikes the field and destroys his farm. All the hard work, for nothing! The entire land is wrecked by catastrophe. There is no one who can help. Lencho's complete faith in God is amazing during the calamity.

Using Lencho's experience as a starting point, Research one recent natural disaster like flood, earth quake or cloud burst, write an article (120–150 words) about how that natural disaster impacted farmers.

Visuals: Paste a few pictures showing the environmental damage and the human effort to rebuild.

TASK 4: LETTER TO THE EDITOR – THE LOCAL HERO

Scan a newspaper for a snippet about an ordinary citizen doing extraordinary work for the community.

Write a letter to the Editor of a national daily expressing your appreciation for this individual. Suggest how the local administration can support such "unsung heroes" to inspire the youth. (Attach the newspaper clipping in your file).

2 Hindi

विषय: "पर्यटन का ब्रांड एंबेसडर"

भारत अपनी विविधता, संस्कृति और प्राकृतिक सौंदर्य के लिए विश्वभर में प्रसिद्ध है। इस परियोजना के माध्यम से आप भारत के दो महत्वपूर्ण राज्यों—मध्य प्रदेश और बिहार—की पर्यटन विशेषताओं को रचनात्मक रूप में प्रस्तुत करेंगे।

कार्य निर्देश:

छात्रों को दो आकर्षक विज्ञापन (Posters) तैयार करने हैं—

1. बिहार के लिए विज्ञापन:
 - विषय: "बोधगया और राजगीर की शांति एवं अध्यात्म"
 - इसमें इन स्थानों की धार्मिक महत्ता, शांति और ऐतिहासिक महत्व को दर्शाए।
2. मध्य प्रदेश के लिए विज्ञापन:

- विषय: “खजुराहो के मंदिर या कान्हा नेशनल पार्क की अद्भुत सुंदरता”
- इसमें प्राकृतिक सौंदर्य, वन्य जीवन या स्थापत्य कला को प्रभावशाली तरीके से प्रस्तुत करें।

विज्ञापन में शामिल करें:

- आकर्षक शीर्षक (Slogan/Tagline)
- चित्र/रंगों का सुंदर उपयोग
- संबंधित राज्य की प्रसिद्ध हिंदी पंक्तियाँ/कविताएँ
- संक्षिप्त लेकिन प्रभावी विवरण

विशेष निर्देश: पोस्टर साफ-सुथरे, A -4 साइज़ रंगीन शीट पर जानकारीपूर्ण होने चाहिए ताकि वे वास्तव में “पर्यटन के ब्रांड एंबेसडर” की भूमिका निभा सकें।

3. 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 ।

4. French

- a) Create a French news magazine cover with headlines and articles on current events
- b) Make a podcast on French media.

5. Mathematics

Holiday Homework Link

https://drive.google.com/file/d/1j52_Dmtcfjok6vYT3vPYbEZYyFzmFg71/view?usp=drive_link

Students have to submit all the three part in a single file

6. Physics

Prepare a working model based on any concept of physics(individual or group project with max. 3 members)

Instructions:

1. The model must be:

- Working and functional
 - Prepared neatly and creatively
 - Made preferably using easily available or recyclable materials
 - Safe to handle and operate
2. Along with the model, students must also prepare:
A short write-up (1–2 pages) or chart
- Name of the topic
 - Aim of the model
 - Materials used
 - Procedure/working
 - Scientific principle involved
 - Applications in daily life
3. Students should be able to explain:
- The working of the model
 - The scientific concept behind it
 - Its practical uses
4. Mention the following details clearly on the model/project file:
- Student's Name
 - Class & Section
 - Roll Number

Models should be original and innovative. Students are encouraged to make the model themselves with minimal assistance from parents. Best models will be displayed in the Physics Lab/Science Exhibition"

7. Chemistry

Write the experiments in a practical file as instructed by the subject teacher.

8. Biology

1. Write the experiments in a practical file as instructed by the subject teacher.
2. Draw the mind map on Parts and function of brain. "

9 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 10 D and E)

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

- * Locate and label various minerals available on the political map of India.
- * Write the names of any 3 important industries and the factors responsible for their location.

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.

10. IT

Complete the IT practical file as given in the pdf uploaded in the below drive link. Write the question and answers in your practical file.

Ensure proper formatting, indentation, and comments in your code

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

<https://drive.google.com/drive/folders/1es1VKuoPpk10hMtcxyyY6F8oNqr-ofX1?usp=sharing>

11. AI

"Ques 1. Artificial Intelligence (AI) is transforming the way we live and work. It is widely used across different sectors such as healthcare, education, agriculture, and entertainment. To explore and learn about various AI applications and technologies in real-world scenarios, identify any 10 AI technologies/applications used in real life (for example: chatbots, recommendation systems, facial recognition, etc.).

- a) Categorize each application under its appropriate AI domain (such as Data Science, Natural Language Processing and Computer Vision.
- b) Specify the type of data used by each application (such as text, images, audio, video, numerical data, etc.).

c) Present your findings in a tabular format with appropriate headings.

Ques 2. Complete the AI practical file as given in the pdf uploaded in the below drive link. Write the programs in your practical file. Ensure proper formatting, indentation, and comments in your code.

<https://drive.google.com/file/d/1ZYZvImfnrY-uDD1oTA0iXzJRXv29FOZq/view?usp=sharing>

12. IFM

https://docs.google.com/document/d/13SLOtu7us_4m4T6P_AMEAMJP_J2W_IicF/edit?usp=sharing&oid=106743816159450156629&rtpof=true&sd=true

13. 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."

14. Painting

Prepare one folk art composition on any one of the following: Madhubani or Warli . Use Half Imperial sheet (22" × 15") with Water Colours or Poster Colours.

Note: Final finishing and detailing will be done in class after the summer holidays."

15. Music

Project File

- * Descriptive illustration of the tanpura
- * Biography of Tansen
- * Taal Rupak- introduction and variations

Instructions:

- Write all the above points in your music project file.
- Include pictures of Taanpura and Tansen
