



DELHI PUBLIC SCHOOL, PAKUR

Affiliated to C.B.S.E., New Delhi, Up to **10 +2 Level**

(Affiliation Number-3430354)

CLASS- X

Dear Students,

Vacations are the most attractive and desirable part of school life! It is time again for a fun filled and relaxing summer break. However, during the scorching summer month, when you are locked up inside your homes, time must be spent meaningfully and interestingly. Keeping this in view, we have assigned Holiday Homework for you so that you remain connected with your studies. Also have lots of fun by pursuing your hobbies and enjoying yourselves with the family.

Suggested Do's in summer break:

Do's:

- Have Fun with your family at home.
- Try to engage yourself with some indoor games.
- Try to develop a kitchen garden by your own with the help of your parents.
- Try to indulge in your hobby like music, dance, painting, collection of leaves, making kites, etc.
- Eat healthy and nutritious food and drink lots of water and hydrating liquids.
- Eat Vegetables and one Fruit minimum every day.
- Wash your hand, with soap, before and after taking food.
- Give some time to your grandparents. Find out about your family tree, roots and culture from them.
 - Get up early and go for jogging everyday with your Papa and Mummy or Grand Parents
 - Help your parents in doing their house hold work.
 - Read Newspaper if possible in English every day.
 - Learn how to make minimum. 5 dishes at your home from your mummy (Not for Nur. To II).
 - Make a rough N.B. Learn and write 5 typical words of English their meaning and their usages.
 - To improve your handwriting kindly writes one page of English and Hindi cursive Handwriting.
 - Complete your holiday Home work in a very neat and clean Handwriting.
 - Trim your Hair and Nails at regular Inteval.

Don'ts:

- Consume oily and junk food.
- Spend too much time with computer and mobile games.
- Lend your note books/books to others.
- Waste your time roaming here and there in scorching heat.

Note:-

1. This Holiday Home Work will be taken in to consideration as a subjective enrichment activity. Hence, Mandatory to submit by everyone.
2. The summer vacations commences from 18TH May 2025 to 15th June 2025. The School will re-open on 16th June 2025 with summer timings i.e. 7:00 a.m. to 12:30pm till further notifications.

HAPPY HOLIDAYS

J.K.Sharma
Principal
Delhi Public School,
Pakur-816107
(Jharkhand)

SUBJECT: ENGLISH LANGUAGE AND LITERATURE (184)

Topic –

Write a biography of Nelson Mandela in about 1000 words with the inclusion of the following:

1. Introduction
2. Early life and Education
3. Political life
4. Achievements
5. Conclusion
6. Reference

Make the composition in a project file. Students are free to use pictures and charts.

SUBJECT: HINDI CORE A

परिवहन: अर्थव्यवस्थाकीजीवनरेखा

निर्देश:-

प्रत्येकविद्यार्थियोंकोयहपरियोजनाकार्यकरनाआवश्यकहै।इसेप्रोजेक्टफाइलकेरूपमेंभीतैयारकरनाहोगा।इसपरियोजनाकार्यहेतुप्रत्येकविद्यार्थियोंकोनिम्नलिखितबिंदुओंपरकार्यकरनाहोगा-

1. भूमिका (भूमिका/परिचय):- (a) परिवहनकाअर्थक्याहै? (b) समाजऔरजीवनमेंइसकामहत्व (c) कैसेयहकिसीभीदेशकीअर्थव्यवस्थाकोप्रभावितकरताहै?
2. परिवहनकेप्रकार (चित्र सहित):- (a) स्थलपरिवहन (सड़क, रेल) (b) जलपरिवहन (c) वायुपरिवहन
3. परिवहनऔरअर्थव्यवस्थाकासंबंध:- (a) मालऔरजनपरिवहनसेव्यापारकोबढ़ावा (b) कृषि, उद्योगऔरसेवाक्षेत्रमेंपरिवहनकीभूमिका (c) रोजगारकेअवसरोंकासृजन
4. भारतमेंपरिवहनकाविकास:- (a) ऐतिहासिकपृष्ठभूमि (b) आजकेआधुनिकपरिवहनसाधनोंकीजानकारी (c) सरकारकीयोजनाएँ (जैसे- भारतमाला, उड़ानयोजना)

5. पर्यावरणपरप्रभावऔरसमाधान:- (a) परिवहनसेउत्पन्नप्रदूषण (b) टिकाऊऔरहरित (Green) परिवहनकीआवश्यकता (b) इलेक्ट्रिकवाहन, सार्वजनिकपरिवहनकाप्रयोग

6. निष्कर्ष:- (a) परिवहनकेबिनाअर्थव्यवस्थाअधूरी (b) सभीक्षेत्रोंकेविकासकेलिएबेहतरपरिवहनआवश्यक

SUBJECT: SANSKRIT

विषय: – "Transportation – Lifeline of Economy" (परिवहन: – अर्थव्यवस्थाया: जीवनरेखा):

* In a stick file write all answers and draw/paste pictures.

1. परिवहनस्य अर्थव्यवस्थायां का भूमिका अस्ति ? संस्कृते लिखत।

(What is the role of transportation in the economy? Write in Sanskrit.)

2. सड़कयात्राया: लाभान् च हानिं च प्रदर्शनस्य द्वे चित्रं कुरुत ।

(Draw or paste 2 pictures which are describe the advantages and disadvantages of road transport.)

3. भारते परिवहनस्य प्रमुखानि प्रकाराणि लिखत। संस्कृते।

(Write the major types of transportation in India in Sanskrit.)

4. 'परिवहनं जीवनस्य अनिवार्य अंगं अस्ति' – इत्यस्य समर्थनं कुरुत।

("Transportation is an essential part of life" – Justify this statement.)

5. जलयानयात्रा एवं विमानयात्रा – एतयोः तुलनां कुरुत।

(Compare water and air transportation.)

6. यद्यपि रेलयात्रा धीमा अस्ति, तर्हि अपि सा किञ्चन प्रमुखं परिवहनं अस्ति। कारणानि लिखत।

(Even though train travel is slow, it is still a major mode of transport. Give reasons.)

7. परिवहनस्य विकसनं कथं देशस्य समृद्धिं वर्धयति? संस्कृते उत्तरं लिखत।

(How does the development of transportation increase the prosperity of a country? Write in Sanskrit.)

8. परिवहनं च पर्यावरणं – एतयोः सम्बन्धं संस्कृते वर्णयत।

(Describe the relationship between transportation and environment.)

SUBJECT: MATHEMATICS

Data Collection & Analysis:

Transport Usage Survey:

Conduct a survey among 30–50 people (friends, family, neighborhood, school) on their primary mode of transportation (e.g., walking, bicycle, car, bus, metro, train).

- Represent the data using a bar graph.
- Find the mean, median, and mode of the distance traveled daily.
- Discuss how the cost of fuel or ticket influences their choice of transport.

MATHS PROJECT

1.

Write all formulas separately chapter wise according to syllabus.

2. Write short note about five Mathematicians.

Note: (Project work should be written or typed in A4-size papers and submitted in a single stick file)

MATHS LAB ACTIVITY

1. Write any two activities in your practical copy from the following topics: **OBJECTIVE:**

(i) To draw the graph a quadratic polynomial and observe its numbers of zeroes. (ii) To verify the conditions of consistency for a pair of linear equations into two variables by Graphical method. (iii)

To verify the conditions of inconsistency for a pair of linear equations into two variables by Graphical method. (iv) To obtain the

solution of a quadratic equation ($x^2 + 4x = 60$) by completing square method.

(LAB Activity work should be written or typed in A4-size papers and submitted in a practical file)

★ *Note* ★

Include the following points in the practical file and project copy

1. Front Page 2. Acknowledgement 3. Certificate 4. Index

(Project work and Lab activity work must be submitted properly with keeping in mind about the forthcoming board examination without any fail.)

SUBJECT: SOCIAL SCIENCE

PROJECT FILE

Topic -Consumer Awareness **OR** Social Issues **OR** Sustainable Development

(MINIMUM 20 PAGES / MAXIMUM 25 PAGES)

Make a poster on resources and types of Resources

Or

Make a poster on Minerals and Energy Resources

MAP WORK

History

Nationalism in India

I. Congress sessions:

1920 Calcutta

1920 Nagpur

1927 Madras session

II. 3 Satyagraha movements:

Kheda

Champaran

Ahmedabad mill workers

III. Jallianwala Bagh

IV. Dandi March

Geography

Locate and label:

Power Plants

Thermal

Namrup

Singrauli

Ramagundam

Lifelines of National economy

Major Sea Ports

Kandla

Mumbai

Kochi

Tuticorin

Note

Include the following points in the practical file and project copy

1. Front Page 2. Acknowledgement 3. Certificate 4. Index

(Project work and Lab activity work must be submitted properly with keeping in mind about the forthcoming board examination without any fail.)

SUBJECT: INFORMATION TECHNOLOGY

➤ STUDENT PORTFOLIO TO BE SUBMITTED

MS- WORD ADVANCED

- 1) Create a template.
- 2) Using the concept of Mail Merge create Student I- Card of 20 Students.
- 3) Create a document in paragraph format with pictures using the function of text wrapping (all the functions of text wrapping must be covered).
- 4) Create a farewell invitation card and send it to different recipient.
- 5) Create a table of content.

SUBJECT : SCIENCE

LIST OF EXPERIMENTS

1. A. Finding the pH of the following samples by using pH paper/universal indicator: **Unit-I**
 - a) Dilute Hydrochloric Acid
 - b) Dilute NaOH solution
 - c) Dilute Ethanoic Acid solution
 - d) Lemon juice
 - e) Water
 - f) Dilute Hydrogen Carbonate solutionB. Studying the properties of acids and bases (HCl & NaOH) on the basis of their reaction with: **Unit-I**
 - a) Litmus solution (Blue/Red)
 - b) Zinc metal
 - c) Solid sodium carbonate
2. Performing and observing the following reactions and classifying them into: **Unit-I**
 - a) Combination reaction
 - b) Decomposition reaction
 - c) Displacement reaction
 - d) Double displacement reaction
 - Action of water on quicklime
 - Action of heat on ferrous sulphate crystals
 - Iron nails kept in copper sulphate solution
 - Reaction between sodium sulphate and barium chloride solutions
3. Observing the action of Zn, Fe, Cu and Al metals on the following salt solutions: **Unit-I**
 - a) ZnSO_4 (aq)
 - b) FeSO_4 (aq)
 - c) CuSO_4 (aq)
 - d) $\text{Al}_2(\text{SO}_4)_3$ (aq)Arranging Zn, Fe, Cu and Al (metals) in the decreasing order of reactivity based on the above result.
4. Studying the dependence of potential difference (V) across a resistor on the current (I) passing through it and determine its resistance. Also plotting a graph between V and I. **Unit-IV**
5. Determination of the equivalent resistance of two resistors when connected in series and parallel. **Unit-IV**
6. Preparing a temporary mount of a leaf peel to show stomata. **Unit- II**
7. Experimentally show that carbon dioxide is given out during respiration. **Unit-II**
8. Study of the following properties of acetic acid (ethanoic acid): **Unit- I**
 - a) Odour
 - b) solubility in water
 - c) effect on litmus
 - d) reaction with Sodium Hydrogen Carbonate
9. Study of the comparative cleaning capacity of a sample of soap in soft and hard water. **Unit-I**