

**North Ex Public School**  
**School Block, Jain Nagar, Delhi- 110081**  
**Holiday Homework (Summer Break)**  
**Class - IX**

Dear Parents,

Summer brings with it the ever smiling sun, fresh breeze, blossoming flowers and HOLIDAYS!

Holidays are the time for the parents to become teachers and friends! Vacations help to rejuvenate your child and develop an everlasting bond between you and your child by devoting your precious time towards him/her.

Allow us to facilitate you to help your child explore his/her environment. Make optimum use of this time to cultivate your child's interest in co-curricular activities. Have fun with family and friends.

HAPPY VACATIONS

**GENERAL INSTRUCTIONS**

1. Start the revision as per the syllabus which is scheduled from April onwards.
2. Written Homework is to be done in the Weekly test notebooks and further as per the instruction & guidance given by the subject teacher.
3. The child will be assessed for the Handwriting, presentation, neatness, completion of all the given question, indexing of the work.
4. Charts, Presentations and Projects must be labeled properly indicating very clearly the Name, Class, Roll No and Subject.

Parents can be the facilitators for the child at home but let the child complete his/her work independently & in his/her own handwriting.

**ENGLISH**

1. Write a paragraph on the topic 'Save Environment' and write down it in your weekly test register.
2. Find out 50 difficult words from your 'English Literature' book and write their meaning in your notebooks..
3. Prepare a poster stating whether "Science is a boon or bane".
4. On A3 sheet, with the help of slogans, design a poster for promoting cleanliness.
5. Prepare a project file on 'Importance of games in student's life'. You can elaborate it while explaining and also by pasting pictures of each sport.
6. Revise thoroughly whatever the syllabus is done in the class.

**MATHS**

1. Locate  $\sqrt{2}$ ,  $\sqrt{3}$  and  $\sqrt{5}$  on the number line.
2. Visualise 2.923923..., 5.61717..., 3.542222... on the number line upto 4 decimal places.

3. Represent  $\sqrt{8.5}$  and  $\sqrt{7.3}$  on the number line.
4. Do proof of remainder theorem Page - 39.
5. Make a list of Algebraic Identities and learn them.
6. Make a list of laws of exponents .
7. Locate the points (6,3) , (-7,4) , (2,-5) and (0,8) in Cartesian plane and write their quadrants also.
8. Draw the graph of linear equations:  
 (a)  $x-y = 2$                       (b)  $y=5x$
9. Give geometric representation of  $2x+7=0$  as an equation  
 (a) in one variable  
 (b) in two variables
10. Do practice of sums of Chapter - 1 to 4.

## **SCIENCE**

1. Make a 3D model of 'Structure of a Cell' using thermocole, colourful sheets etc. and depict all major cell organelles in it.
2. Write down Experiment - 2,5,6,8,10 in practical notebooks from science lab manual(Objective, Apparatus and Chemicals required, Procedure, Diagrams and Precautions ).
3. Learn CH - 1,5,6 and 8 for test and read CH-11 and 14.

## **SST**

Do practice all the map work two times

1. On the map of France locate these places:  
 (a) A port related to Slave trade  
 (b) The region not affected by the government fear.  
 (c) The epicenter of main Panic movement from Ch -1 The French Revolution..
2. Chapter - 1 Geography (India - size and Location)  
 India - States with capitals, Tropic of Cancer, Standard Meridian, Southern Most, Northern Most, Eastern Most and Western Most point of India.
3. Chapter -2 Geography ( Physical features of India ):  
 Mountain Ranges : The Karakoram and The Zaskar, The Shivalik, The Aravali, The Vindhya, The Satpura, Western and Eastern Ghats.  
 Mountain Peaks :Kanchanjunga, Anaimudi  
 Plateau : Deccan Plateau, Chotta Nagpur Plateau, Malwa Plateau.  
 Coastal Plains :Konkan, Malabar, Coromandal& Northern Circar
4. Locate these rivers on physical map of India:  
 (a) The Himalayan River System - Indus, Ganga and Satluj.  
 (b) Peninsular rivers - Narmada, Tapi, Kaveri, Krishna, Godavari, Mahanadi.  
 (c) Lakes - Wular, Pulicat, Sambhar, Chilika, VambanadKalleru
5. (a) Do Chapter 1 to 3 in Workbook from geography  
 (b) Do Chapter 1 in Workbook from Pol Science  
 (c) Do Chapter 1 in Workbook from History
6. Prepare a project on Disaster Management.

## **FIT**

1. Prepare a powerpoint presentation on the topic ' Computer System'. Submit the presentation in a CD.
2. Prepare a project report on the topic ' Convergence of Technologies'. Take the help from the Internet. Submit a printed report.
3. Revise and Prepare all the chapters covered in the class.

## **ART AND CRAFT (IX-A)**

**BOOK WORK IN ART FILE :-** Page no.33,34,62,66 and 68.

**A3 SIZE DRAWING SHEET:-** (a) A Portrait of any freedom fighter with pencil color shading  
(b) Make a paper collage as per choice. (Refer Pg-90)

**CRAFT:-** (a) Roll No 1 to 15 :  
Painting on Canvas  
Roll No 16 onwards:  
Flower bouquet

**Steps:-**

1. Make 5 different flower with duplex paper.
2. Arrange in Pot or bouquet style.
3. Total flower with leaves : 10

For whole class:  
Make a craft as per your choice

## **ART AND CRAFT (IX-B)**

**BOOK WORK IN ART FILE :-** Page no.33,34,62,66 and 68.

**A3 SIZE DRAWING SHEET:-** (a) A Portrait of any freedom fighter with pencil color shading  
(b) Make a paper collage as per choice. (Refer Pg-90)

**CRAFT:-** (a) Roll No 1 to 15 :  
1 Sculpture and 1 String Art  
Roll No 16 onwards:  
Pankhi( Indian hand fan )

**Steps:-**

Decoration with laces, stones, mirrors, old beautiful clothes, glitter & paints.

For whole class:  
Make a mug with marble effect