SANT NIRANKARI PUBLIC SCHOOL
AVTAR ENCLAVE
SUMMER HOLIDAY HOMEWORK
SESSION 2024-25
CLASS   IX

INDEX

S.NO.	SUBJECT
1.	Maths
2.	Science
3.	Social Science
4.	Hindi
5.	Art and Craft
6.	Information Technology
7.	English
8.	Health and Physical Education

MATHS

- Solve worksheets of Ch- 1,2,3,4 and 5 on A-4 size loose sheets.
- Complete your math practical file.
- 'A math mind map is a visual representation of mathematical concept, ideas, and relationships organized in a hierarchical or interconnected manner.'
  Keeping this in mind, make an attractive mind map on any one of the following chapters. (A-3 sheet)

Chapters
Ch-1 Number System
Ch-2 Polynomials
Ch-3 Coordinate Geometry
Ch-4 Linear Equations in two variables
Ch-5 Introduction to Euclid's Geometry
Ch-6 Lines and angles
Ch-7 Triangles
Ch-8 Quadrilaterals
Ch-9 Parallelogram
Ch-10 Heron's Formula

Ch-11 Surface area and volume
Ch-12 Statistics

SCIENCE
1. Frame 20 MCQs of chapter -1,2 ,5 ,8, and 9 .
2. Complete the given worksheets.
3. Write a write up of chapter – Natural resources (500 words).

SOCIAL SCIENCE

- (Project Work) Make a project on Disaster management (meaning of disaster, types disaster, impact, prevention, safety measures, causes, agencies of disaster management, how to manage disasters).

- Make 20 MCQs on each chapter covered till May 30th and write it in your fair register.

  Learn the syllabus covered till 30th May.

HINDI
1. कक्षा में किए गए प्रत्येक पाठ में से 10-10 बहुविकल्पीय प्रश्न एवं दो-दो गद्यांश/पद्यांश (बहुविकल्पीय प्रश्नों सहित) ढूँढ कर उनके उत्तर लिखिए।
2. ' अतिथि देवो भव ' की उक्ति का अर्थ समझाते हुए मित्र को पत्र लिखिए।
3. ' वोट - मेरा अधिकार ' का चित्र बनाकर /चिपकाकर , अपने शब्दों में इस चित्र का वर्णन कीजिए।

ART AND CRAFT

- Draw any 6 sketches in Art File.
- Draw any one portrait in Art File.
- (ART PROJECT) Make one table mat with fabric painting.

INFORMATION TECHNOLOGY

Design a beautiful project file for Information Technology (402) subject and keep all the A4 size sheet and project work in the file.

Part – A (Research work)
Note: Do the following Homework on A-4 size sheet and keep it in the Project file.

1. Design an invitation letter to be sent to parents for Orientation Program of Class IX to be held on 2 July 2024 at 9:00AM.

2.Create a recipient list/data source of 10 parents and merge the fields in the letter.
Take the Printout of:

1.Recipient list/data source.
2.Letter with insert merge field.

Paste the Print out of left-hand side & steps in brief in right hand side.
Part – B (Project Work)

What to do: Design a poster on the topic "Cybercrime & Social Media" in MS WORD.
Where to do: Do the work on computer and take the print out and keep it in the project file.
Your Name, Class and Section should be there. Parameters:

- Creativity
- Originality
- Overall presentation   Part – C (Project Work)

Make a PPT on the any topic from "Part A Employability skills" and take the colour-print out and keep in the project file.

** You can take the help of Internet.

Project File reference:
https://youtu.be/06AQ8eEPpxQ?si=mzisoQKcp7U6DPtR

1. Read the following chapters and make at least 20 MCQs from each chapter in the form of worksheets. Then solve those worksheets:

The Fun They had, The Sound of Music-I and II, The Lost Child, The Adventures of Toto and The Little girl.

2. Do the Reference to Context of the following poems (shared in the class group):

The Road Not Taken, Wind, Rain on the Roof.

3. Imagine yourself to be Kezia. Write a diary entry expressing your feelings after being punished. (100- 120 words)

HEALTH AND PHYSICAL EDUCATION

Prepare a project on SEWA (Choose any one topic and prepare a project).

Topics:

1.Energy conservation

2. Save water

3. Awareness regarding health

4. Personal hygiene

5. 3'R (Reduce, Reuse, Recycle)

6. Green and Blue bins

7. Swachcha Vidyalaya Swachcha Bharat

8. Dignity of labour

9. Care for homeless children

10.Importance of exercise

11. Pollution (Air and Water)

12. First Aid.