

**HANSRAJ MODEL SCHOOL**  
**PUNJABI BAGH, NEW DELHI**  
**HOLIDAYS HOME WORK**  
**(SUMMER BREAK)**

**Class IX (2024-2025)**

<b>SUBJECT</b>	<b>HOMEWORK</b>
<b>ENGLISH</b>	<p><b>Task 1</b> Prepare a LAP BOOK which includes</p> <ol style="list-style-type: none"><li>1. New Vocabulary learnt(crossword/ word search).</li><li>2. Idioms/ phrases.</li><li>3. Learning from the characters/ poetry.</li><li>4. Story Map/ Graphic Organiser.</li><li>5. Literary/ poetic devices used.</li><li>6. Character Sketch/ message or theme.</li><li>7. About the author/ poet.</li></ol> <p>The topics for the lap book are as follows: Roll nos. 1-8 : How I Taught My Grandmother to read Roll nos. 9-16: A Dog Named Duke Roll nos. 17-24: The Man Who Knew Too Much Roll nos. 25-32: The Brook Roll nos. 33-40: The Road Not Taken Roll nos. 41-48: The Solitary Reaper</p> <p><b>Task 2</b> Create a brochure that provides tips and tricks to be followed in order to attain good mental health, also highlight the specific ways to manage stress and balance work and social life.</p> <ul style="list-style-type: none"><li>● Complete the WORKBOOK unit-2,3,4,5.</li><li>● Complete MAIN COURSE BOOK unit-2 and 3.</li><li>● Revise the syllabus done in the class.</li></ul>
<b>HINDI</b>	<ol style="list-style-type: none"><li>1 समस्त पठित पाठ्यक्रम की पुनरावृत्ति कीजिए।</li><li>2. अपने शब्द भंडार की वृद्धि हेतु प्रतिदिन हिंदी समाचार -पत्र पढ़िए।</li><li>3. परियोजना कार्य:- परियोजना कार्य हेतु निम्नलिखित विषय अपने अनुक्रमांक अनुसार कीजिए :- <b>अनुक्रमांक 1 - 12</b> 'सकारात्मक सोच व्यक्तित्व में निखार' इस विषय पर कॉमिक स्ट्रिप का निर्माण कीजिए। <b>अनुक्रमांक 13-24</b> प्रतिदिन प्रातः काल योगाभ्यास व प्राणायाम के लिए जाएं और प्राप्त हुए अनुभव का चित्रात्मक वर्णन कीजिए। (A-4 शीट कम से कम 10 विभिन्न योगासन की चित्रात्मक अभिव्यक्ति)</li></ol>

**अनुक्रमांक 25-36****\*मॉडल निर्माण -\***

स्वतंत्रता सेनानी शिवचरण, शिप्रा सुमन, पोट्टी श्रीरामलू, सेनापति बापत, मातंगिनी हाजरा आदि भारतीय स्वतंत्रता सेनानियों के कार्यों को दर्शाते हुए, थर्माकोल, कार्डबोर्ड व अन्य उपकरणों का प्रयोग करते हुए सुंदर व आकर्षक मॉडल बनाकर अपना सम्मान व्यक्त कीजिए।

**अनुक्रमांक 37-48**

वृक्षारोपण : - पोस्टर निर्माण

**निर्देश:**

- परियोजना कार्य बनाते समय आप चित्रों, फ्लैशकार्ड्स, अखबार की कटिंग, चार्ट पेपर और पोस्टर का प्रयोग कर सकते हैं।
- परियोजना कार्य से संबंधित समस्त कार्य हस्तलिखित होने चाहिए।

**निर्णय मानदंड :-**

विषय वस्तु	2 अंक
रचनात्मकता	2 अंक
भाषायी शुद्धता	1 अंक

**MATHEMATICS****Task 1 : Assignment**

An assignment containing questions of the first three chapters of maths of class IX will be shared on teams. Take a printout of that and solve it in a separate notebook.

**Task 2: Project Work**

**Surya Namaskar** is a sequence of 12 powerful yoga poses. Students need to practice Surya Namaskar at-least five times daily. Make a project file displaying 12 different poses and identifying types of angles formed.

Also select any two poses of your choice and represent them on the cartesian plane and show a mirror image of it with respect to x-axis and y axis.

**Objectives:**

- \*To improve their mental and physical well-being.
- \*To understand different types of angles and their applications in real life situations.
- \*To make effective use of Coordinate and Geometrical Concepts.

	<p>The distribution of marks over different aspects relating to Project Work is as follows: .</p> <p>a. Content Clarity : 2m</p> <p>b. Presentation : 2m</p> <p>c. Submission on Time: 1m</p>
<p><b>SCIENCE</b></p>	<p><b>Objective:</b></p> <p>Understand the principles of a balanced diet for good physical and mental health, analyze nutritional requirements, and develop a personalized diet chart.</p> <p><b><u>TASK 1</u></b></p> <p><b>Instructions: TO BE DONE ON GREEN COLOURED A4 SHEETS</b></p> <ol style="list-style-type: none"> <li><b>1. Introduction to Nutrition</b> <ul style="list-style-type: none"> <li>○ Define what nutrition means and its importance to the human body.</li> <li>○ Explain the concept of a balanced diet and its components: carbohydrates, proteins, fats, vitamins, minerals, and water.</li> </ul> </li> <li><b>2. Macronutrients and Micronutrients</b> <ul style="list-style-type: none"> <li>○ Detail the roles and sources of macronutrients (carbohydrates, proteins, and fats).</li> <li>○ Explore the essential micronutrients (vitamins and minerals), their functions, and dietary sources.</li> </ul> </li> <li><b>3. Daily Nutritional Requirements</b> <ul style="list-style-type: none"> <li>○ Research and list the recommended dietary allowances (RDAs) for your age group.</li> <li>○ Discuss factors affecting individual nutritional needs (age, activity level, gender, health status).</li> </ul> </li> <li><b>4. The Food Pyramid</b> <ul style="list-style-type: none"> <li>○ Describe the food pyramid and its levels. and paste a coloured picture of it</li> <li>○ Explain how the food pyramid helps in planning a balanced diet.</li> </ul> </li> </ol> <p><b><u>TASK 2</u></b></p> <p>Regular morning walks can also help you: Feel better,. Lower the risk of heart disease, stroke, diabetes, certain types of cancer and develop good mental health.</p>

So go out for morning walk daily and note

Distance covered and time taken everyday . Hence calculate your average speed on daily basis. ( to be done for at least one week)

### **TASK 3**

/All the students are required to make a project/Model allotted as per your Roll nos

#### **R No 1 to 5**

Design a simple car powered by balloon

Concepts Illustrated: Newton's third law of motion and the conservation of momentum

#### **R No 6 to 10**

Soundproof Room

Concepts Illustrated: Sound insulation, reflection.

Details: Design a miniature soundproof room using cardboard, foam, and other insulating materials. Students can test the effectiveness of their design by measuring sound levels inside and outside the room, demonstrating principles of sound insulation and reflection.

#### **RNo 11 to 15**

Force Meter

Concepts Illustrated: Measuring force, Hooke's law.

Details: Construct a simple force meter using a spring, a hook, and a scale to measure different weights. This project can demonstrate how springs obey Hooke's law and can be used to measure forces.

#### **R.No. 16 to 20**

Lab on wheels kit/lab in bag kit

Concepts illustrated: Properties of matter

Details: Make a lab on wheels/lab in bag kit using materials available in your home and demonstrate simple science experiments related to properties and characteristics of matter.

#### **R.No.21 to 25**

Gamification in science

Concepts illustrated: Evaporation and factors affecting evaporation

Details: Prepare a Game/toy/model displaying concept of evaporation and factors affecting rate of evaporation

#### **R.No. 26 to 30**

	<p>3-D models of structure of atom</p> <p>Concepts illustrated: J.J Thomsons model of an atom/Rutherford's model of an atom /Bohr's model of an atom</p> <p>Details: Create a 3-D model of any one structure of atom using materials available in your home.</p> <p><b>R. No. 31-35</b></p> <p>Create a 3-D model of Plant Cell or Animal Cell.</p> <p><b>R. No. 36-40</b></p> <p>Make colourful and beautiful models showing different types of Plant Tissues or Animal Tissues.</p> <p><b>R.No. 40 onwards</b></p> <p>Create models to show different cropping patterns: Inter-cropping and mixed cropping patterns.</p> <p><b>RUBRIC FOR PROJECTS</b></p> <p>Originality and creativity 2 marks</p> <p>Presentation 2 marks</p> <p>Timely submission 1 mark</p> <p>The tasks are to be completed and presented in the first week of July.</p>
<p><b>SOCIAL SCIENCE</b></p>	<p>Every student has to compulsorily undertake a project on Disaster Management from the following topics:</p> <p>Natural Disasters( Any two)</p> <p>OR</p> <p>Man made Disasters( Any two)</p> <p><b>Objective:</b></p> <ul style="list-style-type: none"> <li>● The overall objective of the project work is to help students gain an insight and pragmatic understanding of the theme and see all the Social Science disciplines from an interdisciplinary perspective.</li> <li>● It should also help in enhancing the Life Skills of the students.</li> <li>● Students are expected to apply the Social Science concepts that they have learnt over the years in order to prepare the project report.</li> <li>● If required, students may go out for collecting data and use different</li> </ul>

	<p>primary and secondary resources to prepare the project.</p> <ul style="list-style-type: none"> <li>● If possible, various forms of art may be integrated in the project work.</li> </ul> <p>Make an Album as a project work (10-12 pages)/ 3 Ivory Sheets</p> <p>The distribution of marks over different aspects relating to Project Work is as follows: .</p> <p>a. Content accuracy, Originality and Analysis: 2m</p> <p>b. Presentation and Creativity: 2m</p> <p>c. Viva Voice: 1m</p> <p><b>INTERDISCIPLINARY PROJECT</b></p> <p><b>Roll no.1-15:</b> Identify the impact of Colonialism on different types of forest</p> <p><b>Roll no.16-30:</b> Analyse impact of Colonialism on forest fires</p> <p><b>Roll no. 31 onwards :</b> Impact of Colonialism on indigenous plants and animals</p> <p>In the light of above guidelines present a PPT on your learnings with 6-8 slides.</p>
<p><b>SANSKRIT</b></p>	<p><b><u>स्मरणं कुर्वन्तु -</u></b></p> <ul style="list-style-type: none"> <li>● <b>शब्दरूपाणि</b> अकारान्त-पुल्लिङ्गशब्दाः आकारान्त-स्त्रीलिङ्गशब्दाः इकारान्त-पुल्लिङ्गशब्दाः</li> <li>● <b>धातुरूपाणि</b> भू, नम्, गम्, अस्, कृ (पञ्चलकारेषु)</li> <li>● <b>परियोजनाकार्यम् - अनुक्रमाङ्कः - (1- 24)</b> 'A3' इति परिमिते कर्गदपत्रे आरोग्यसम्बन्धिनं सूक्तित्रयं लिखित्वा अर्थम् अपि लिखन्तु। तत्सम्बन्धीनि चित्राणि अपि रचयन्तु।</li> <li>● <b>परियोजनाकार्यम् - अनुक्रमाङ्कः - (25 - 48)</b></li> </ul>

‘A3’ इति परिमिते कर्गदपत्रे श्रीमद्भगवद्गीतायाः योगसम्बन्धिनं  
श्लोकद्वयं लिखित्वा तयोः

अर्थम् अपि लिखन्तु। एतत् कार्यं सुन्दरचित्रैः सज्जितं कुर्वन्तु।

**मूल्यांकन-बिंदवः**

<u>बिंदवः</u>	<u>अङ्काः</u>
• विषयवस्तु	2
• प्रस्तुतिः	2
• शुद्धता.	1