

# Kamal Model Sr. Sec. School

Holiday Homework

Class - IX

2025-26



Dear Student,

- Summer Vacation is the best and most fruitful time for learning and nurturing creativity. Keeping this objective in mind, we have planned diverse and exciting activities that will enhance your knowledge and boost your creativity.
- “Knowledge is Power”. Therefore, read lots and lots of books to cultivate the reading habit and develop your vocabulary, language skills, increase your attention span and improve your spelling.
- “A healthy mind lives in a healthy body”. So play the sport of your choice **INDOORS**. It will help to instil discipline, generate sporting spirits and channel your energies constructively.
- Get up early in the morning and see the rising sun. Do indoor exercises/yoga, and stay healthy and fit. Spend quality time with your elders and share your thoughts and ideas with them.
- Eat healthy food and drink lots of water during summer.
- Integrating the curriculum helps students deepen their understanding of the subject matter and comprehend the relationship between different areas of study. This year’s holiday homework has been designed keeping this interdisciplinary aspect in mind.
- We have designed various exciting activities to keep the students engaged and active during the summer vacation. These fun projects/ assignments would enhance learning skills, help understand concepts better, and make for a great crash course to improve academic output.
- These activities will not only help you to revise what was taught but will also enrich your knowledge. These projects will be assessed as Subject Enrichment Activities, Portfolio or art-integrated activities.
- We encourage parents to motivate and support the students 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 submitted to the subject teachers within a week of the school reopening. Homework submitted late will invite negative markings. Deadlines must be met.**

**We wish you a fun-filled, safe summer vacation**

# ENGLISH

## **Project 1: (Roll Nos.- 1 to 14) Paragraph Writing**

You'll write a 200-word paragraph on one of two topics:

1. Electronic Waste and Environmental Pollution
2. Being Human in the Age of Artificial Intelligence

Make sure to focus on:

- Coherence: Logical flow of ideas
- Presentation: Clear handwriting and formatting
- Innovation: Unique perspective or approach
- Grammar: Error-free writing

## **Project 2: (Roll Nos.- 15 to 28) Diary Writing**

You'll create a handmade diary and write about a positive change you want to bring in yourself, such as being punctual or organized. Each entry should be:

- Not more than 75 words
- Focus on accuracy, content, authenticity, and creativity

## **Project 3: (Roll Nos.- 29 to last) Comic Strip**

You'll illustrate the poem "The Legend of Northland" in comic strip form, focusing on:

- Characters
- Setting
- Key events
- Scenes that capture the story's sense and theme
- Dialogues that convey the mood and tone of characters

## **Project 4: English Workbook**

> COMPREHENSION pages- 32 to 43

> WRITING SECTION pages-

> a. Descriptive paragraph- 121 to 131(Any ONE question of each type)

> b. Diary Entry - 152 to 155

> c. Story Writing- 178 and 179

> GRAMMAR SECTION pages-

> 208 and 209, 216 to 219, 223 and 224, 251 and 252, 258 to 261, 270 to 274

### **Project 5. (Group- 1)**

Research and prepare a colorful and attractive TOURIST BROCHURE to promote Tourism in ANDAMAN AND NICOBAR ISLANDS.

You may include geographic location, language, culture, costume, food, art and architecture of the Andaman and Nicobar Islands.

Each student will work on at least one topic mentioned and mention his/her name for the same.

**MANDATORY: Include AT LEAST 2 SKETCHES FROM NATURE AND SURROUNDING in your brochure.**

**Submission Date: 07/07/2025**

## **हिन्दी**

### **1.पर्यटन पुस्तिका परियोजना कार्य अंडमान और निकोबार द्वीपसमूह (Group- 2)**

कार्य:विद्यार्थी एक रंग-बिरंगी, आकर्षक और जानकारीपूर्ण पर्यटन पुस्तिका (Tourist Brochure) तैयार करें ताकि अंडमान और निकोबार द्वीपसमूह के पर्यटन को बढ़ावा दिया जा सके।

निम्नलिखित में से किसी एक विषय का चयन करके छात्रगण परियोजना कार्य तैयार करेंगे तथा मुख पृष्ठ पर अपना नाम लिखेंगे।

1. भौगोलिक स्थिति (Geographic Location)
2. भाषा (Language)
3. संस्कृति (Culture)
4. पहनावा / पोशाक (Costume)
5. भोजन (Food)
6. कला (Art)
7. वास्तुकला (Architecture)

अनिवार्य:

• पुस्तिका में प्रकृति और आसपास के दृश्य से कम से कम दो स्केच (चित्र) अवश्य शामिल करें।

(उदाहरण: समुद्रतट, पेड़-पौधे, पक्षी, नावें, सूर्योदय आदि)

महत्वपूर्ण सुझाव:

- रंगीन कागज़, स्केच पेन, क्रेयॉन्स, चित्रों और कटिंग्स का उपयोग करें।
- शीर्षक और उपशीर्षकों को आकर्षक ढंग से लिखें।
- सुंदर चित्रों के साथ रोचक जानकारी दें।
- पूरा कार्य स्वच्छ, रचनात्मक और कलात्मक होना चाहिए।

2. अपनी माता के साथ एक दिन के गृहकार्य का अनुभव लिखकर हिंदी के रजिस्टर में लगाएं। (ए-4 साइज़ शीट पर)

3. हम टी. वी. पर इतने विज्ञापन देखते हैं। अपनी मनपसंद वस्तु पर एक आकर्षक विज्ञापन तैयार कीजिए।

4. पोस्टर निर्माण (Poster making) -कला और हिंदी भाषा का मेल -दर्शाते हुए एक आकर्षक पोस्टर बनाइए।

**Submission Date: 08/07/2025**

## संस्कृतम्

प्रश्न १. एकतः शतपर्यन्तं संख्यापदानि संस्कृतेन लिखत । (1 से 100 तक संख्या शब्द संस्कृत में लिखें)

प्रश्न २. 'सद्गुणाः, स्वतन्त्रता दिवस पर पाँच संस्कृत में वाक्य चित्र साहित करे।

प्रश्न ३. 'अस्मद्' 'युष्मद्' इत्यनयोः शब्दयोः रूपाणि लिखित्वा स्मरत । (' अस्मद्' युष्मद्' शब्द के रूप लिखें A3 sheet पर एवं याद करें)

प्रश्न ४. क्त्वा, तुमुन्, ल्यप् इत्येतेषां प्रत्ययानां दश-दश उदाहरणानि स्वपाठ्यपुस्तकात् चित्वा लिखत । (क्त्वा, तुमुन् एवं ल्यप् प्रत्यय के 10-10 उदाहरण अपनी पाठ्यपुस्तक में से चुनकर लिखें)

प्रश्न ५. स्वरसन्धेः भेदानाम् दश-दश उदाहरणानि लिखत । (स्वर सन्धि के पाँचों भेदों के 10-10 उदाहरण लिखें)

नोट:- गृहकार्य हेतु दिये गये इन सभी अभ्यासप्रश्नों को अपनी संस्कृत की पुस्तिका में लिखें।

**Submission Date: 09/07/2025**

## MATHEMATICS

### ART INTEGRATION PROJECT (Group - 3)

1. An art integration project based on ANDAMAN NICOBAR and LAKSHADWEEP. Draw on a coordinate plane and decorate it

#### TOPICS

Regional Dress, Regional Tree, Regional Dish, Regional Flower and Regional Boat

2. Do Lab Manual Activities in the practical file

Activity No. 1	Square Root of a natural number (Page no 3)
Activity No. 2	Mirror Image on X-axis and Y-axis (Page no 23)
Activity No. 3	Heron's Formula (Page no 61)
Activity No. 4	Area of triangle (Page no 97)
Activity No-5	Area of Trapezium (Page no 89)

### 3. Assignment from (S.L. ARORA)

- a) Chapter- 1 (Number System)
- Ex -1.1 Question no- 11, 13 (Page no 1.8)
- Ex -1.2 Question no – 3, 6 (Page no 1.13)
- Ex -1.3 Question no – 7(iii, V), 9(V, VIII) (Page no 1.31)
- Ex -1.4 Question no – 4(I, II), 13(II, III) (Page no 1.53)
- Ex -1.5 Question no – 2( II), 4(III), 8, 10 (Page no 1.53)
- b) Chapter -3 (Coordinate Geometry)
- Ex- 3.2 Que. No. 4,5,6 (P.NO. 3.12)
- Do very short type questions and short answer questions
- Type I (P.no. 3.19)
- c) Chapter no. 10 (Heron's Formula)
- Ex-10.1 Que. No. 20 to 31 (P.NO. 10.19)

**Submission Date: 10/07/2025**

## SCIENCE

- 1) An Art integrated project based on Andaman, Nicobar and Lakshadweep on the following topic: students must choose seven topics from the following.

**(Group- 4)**

- (i) Natural vegetation in the state
- (ii) Flora and fauna
- (iii) Air Quality Index
- (iv) Mineral resources
- (v) Groundwater quality
- (vi) Management of food practices adopted
- (vii) Air pollution status
- (viii) Cause of the following topic
- (ix) Impact

## ● PRACTICALS

● **Chemistry: Experiment Nos. 1 and 2**

● **Physics: Experiment, 1,2, and 3**

● **Biology: Experiment Nos. 1 and 2**

### **Chemistry**

To study the effect of temperature on the rate of diffusion of solids in liquids. Note: Work to be done on A4-size sheets.

➤ You have to submit a science project for the below given themes and upload the details in the given link. The themes are (a) Renewable or alternative sources of energy (b) Sustainable development goals (c) Any other invention or innovation.

### **Biology**

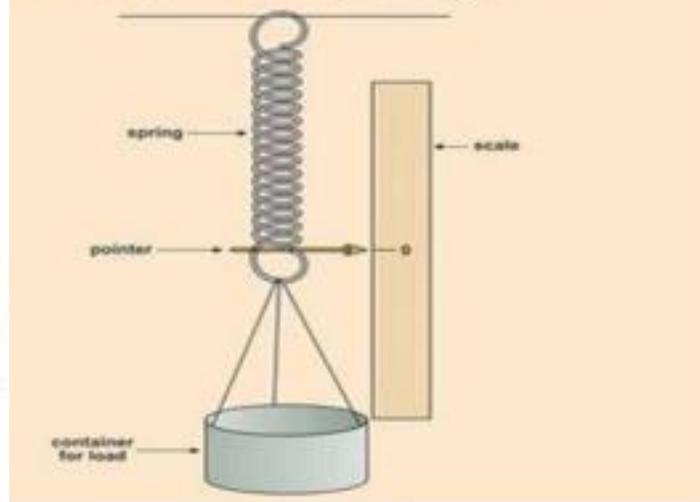
Travel Brochure- Visiting the Cell- Design a Travel Brochure that describes a plant or animal cell as if it were a real-life attraction. \*Think of attractions like amusement parks, zoos, farms, malls, etc., there are certainly more possibilities than this.

### **Physics**

**Topic: Making your Spring balance**

You can make a spring balance of your own.

- You need a spring, and a container for the objects you are going to weigh (Figure 3.25).
- You also need a scale, next to the spring. Make a cardboard pointer, and attach it to the bottom of the spring, so that it will move past the scale.
- First, you must **calibrate** the spring balance. Hang some known loads on the meter. Mark their values on the scale. Mark the scale in equal divisions.
- Now use your meter to weigh other objects.



Note: You can also use materials of your own choice to make this balance. One can also visit the given websites to make a different type of spring balance.

<https://letstalkscience.ca/educational-resources/hands-on-activities/how-can-i-makemy-own-weighing-scale> <https://lyncean.education/projects/making-things/spring-scale/>

**Submission Date: 11/07/2025**

## SOCIAL SCIENCE

### ● **MULTIPLE ASSESSMENT:**

- 1) Mark the following page numbers in your map book.
  - **Geography** – Pg. no. 36, 37, 38, 39
  - **History** – Pg. no. 56, 57
- 2) Write a short note on A4 A4-sized sheet with suitable pictures of the following topics. **(from any one topic):**
  - World Environment Day
  - World Day Against Child Labour

### ● **PORTFOLIO:**

- 1) Prepare a scrapbook mentioning any one physical feature of India with pictures. **(Anyone)**
  - The Himalayan Mountains
  - The Northern Plains
  - The Peninsular Plateau
  - The Indian Desert
  - The Coastal Plains
  - The Islands

### ● **SUBJECT ENRICHMENT:**

- 1) Make a Disaster Management Project taking any one of the following topics:
  - Earthquake
  - Industrial Accidents
  - Flood
  - Drought

- **Prepare a timeline from the upcoming chapter of History – Nazism and the Rise of Hitler.**

- **Read, Revise and Learn April and May Syllabus.**

### ● **ART INTEGRATED PROJECT**

The groups (Roll number wise) assigned for the SST project are as follows:  
**(Group 5)**

**Guidelines:**

- Research and prepare a colorful and attractive tourist brochure to promote Andaman and Nicobar Islands tourism.
- You may include geographic location, language, culture, costume, food, art, and architecture of the Andaman and Nicobar Islands.
- Each student will work on at least one topic mentioned and mention his/her name for the same.

**MANDATORY**- INCLUDE AT LEAST 2 SKETCHES FROM NATURE AND SURROUNDING in your brochure.

**Submission Date: 12/07/2025**

### **INFORMATION TECHNOLOGY**

**Task 1:** Create a digital artwork or graphic design on cybersecurity awareness.

Details: Use software like Adobe Illustrator, Canva, or GIMP. Students can explore themes such as technology impact or awareness.

**Task 2:** Write a Blog Post

Details: Choose a topic related to IT or technology trends.

Write a 300-500-word blog post discussing the topic and your perspective.

**Task 3:** Create a poster on visual communication.

Details: Emphasize the importance of visual elements and concise messaging in effective communication, showing different examples like traffic signboards, hoardings, etc.

**Submission Date: 14/07/2025**

### **ARTIFICIAL INTELLIGENCE**

**Task 1:** Research project on Emerging Technologies

- **Details:** Students can choose a technology like Artificial Intelligence, Blockchain, or Internet of Things (IoT).

- Prepare a report covering its definition, applications, advantages, and challenges.
- Include at least three real-world examples.

**Task 2:** Develop a simple VR experience using Google Cardboard.

Details: Students can create a virtual tour of a historical site or a scientific concept, using available resources and apps. Make a report on your experience and add pictures as well.

**Task 3:** Basic Python Program

Details: Write a Python program that asks for a user's name and age, and then prints a greeting message.

Example output: "Hello, [Name]! You are [Age] years old."

**Submission Date: 14/07/2025**

## HEALTH CARE

Multiple Assessment

1. Take vitals (weight, pulse rate and blood pressure) of ten people and note down in a tabular form to compare the conditions with the standard measure.
2. Draw the devices used to take vitals.  
Thermometer, Sphygmomanometer.

SUBJECT ENRICHMENT

Prepare A report on the  
"Impact of the Ayushman Bharat Digital Mission."  
Paste good pictures relevant to this.

**Submission Date: 14/07/2025**

## **EVS**

Research project

1. Do research work on local environmental issues, such as pollution in the nearby park

### **SUBJECT ENRICHMENT**

Prepare a poster or presentation highlighting the extent of the pollution and a potential solution. Use colourful pictures to depict your creativity.

**Submission Date: 15/07/2025**

## **PHYSICAL EDUCATION**

### **Athletics:**

- A) History- Page No- 8
- B) Track Event- Page Nos. 8 & 9
- C) Track Ground- Page No- 11
- D) Types of Start

**Cricket:** Page Nos. 70 to 74

**Note:** Do this work in the Physical Education File.

**Submission Date: 15/07/2025**