



**DELHI INTERNATIONAL SCHOOL EDGE**  
**HOLIDAY HOMEWORK 2024 - 2025**  
**CLASS IX**



Dear Students,

As the summer holidays approach, we hope you're looking forward to a well-deserved break filled with relaxation, fun, and plenty of sunshine! Before you dive into your vacation plans, we wanted to share some holiday homework to keep your minds engaged and active during the break.

Attached to this message, you'll find a set of assignments carefully crafted to reinforce and extend your learning beyond the classroom. These activities are designed to be enjoyable yet stimulating, offering you the opportunity to explore new ideas, develop your skills, and enrich your knowledge in various subjects.

While we encourage you to make the most of your time off, we also believe that learning is a lifelong journey that doesn't stop when the school bell rings. Whether you're travelling to exotic destinations, spending time with family and friends, or simply relaxing at home, we encourage you to find moments to engage with your holiday homework.

Remember, learning can take many forms, and the summer holidays present the perfect opportunity to discover new interests, pursue personal passions, and embark on exciting adventures. So, whether you're solving math puzzles, reading captivating stories, conducting science experiments, or exploring the wonders of nature, we encourage you to approach your holiday homework with enthusiasm and curiosity.

As you tackle each assignment, take pride in your efforts and celebrate your achievements, no matter how big or small. And if you have any questions or need assistance along the way, don't hesitate to reach out to us – we're here to support you every step of the journey.

Wishing you a summer filled with joy, laughter, and endless opportunities for growth and discovery. Have a fantastic break, and we look forward to hearing all about your adventures when you return!

Enjoy Your Summer Break! 🌞📚

Warm regards,  
Class Teacher

***"Success is not measured by what you accomplish, but by the opposition you have encountered, and the courage with which you have maintained the struggle against overwhelming odds."***

- Orison Swett Marden

## IFM

### Class:- 9A

#### Topic- Society and Environment

##### Expected key points-

- Introduction
- Types of resources
- Why do we need to conserve resources?
- Types of pollution describing pollutants
- How you can preserve our mother earth
- 3R's
- Conclusion

### Class:- 9B

#### Topic- Conserving Natural Resources

##### Expected key points-

- Meaning of conservation
- Types of conservation of natural resources
- Meaning of sustainable development
- SDG's( Sustainable Development Goals)
- Green economy and its components
- Managing resources and green jobs
- Example of any green project
- Conclusion

##### Expected Checklist: (For all students)

- Introduction of topic/title
- Identifying the causes, consequences and/or remedies
- Various stakeholders and effect on each of them
- Advantages and disadvantages of situations or issues identified
- Validity, reliability, appropriateness and relevance of data used for research work and for presentation in the project file
- Presentation and writing that is succinct and coherent in project file
- Citation of the materials referred to, in the file in footnotes, resources section, bibliography etc. project should be of 3,500-4,000 words (excluding diagrams & graphs), preferably hand-written.

##### Important pages to be included:-

- Page 1:- Subject Name
- Page 2:- Introduction of student
- Page 3:- Acknowledgment
- Page 4:- Certificate
- Page 5:- Introduction of topic
- Last page:- Bibliography

## Artificial Intelligence

1.) Poster Making on canva software.

ROLL NO. 1-20 :

Artificial Intelligence in Real Life

ROLL NO. 21-40 :

Types of AI and AI future

All the following activities are part of the internal assessment.

For this student will be assessed out of 20 marks. Check the form link for the bifurcation of the marks .

Upload all the mentioned activities pdf in the following link: -

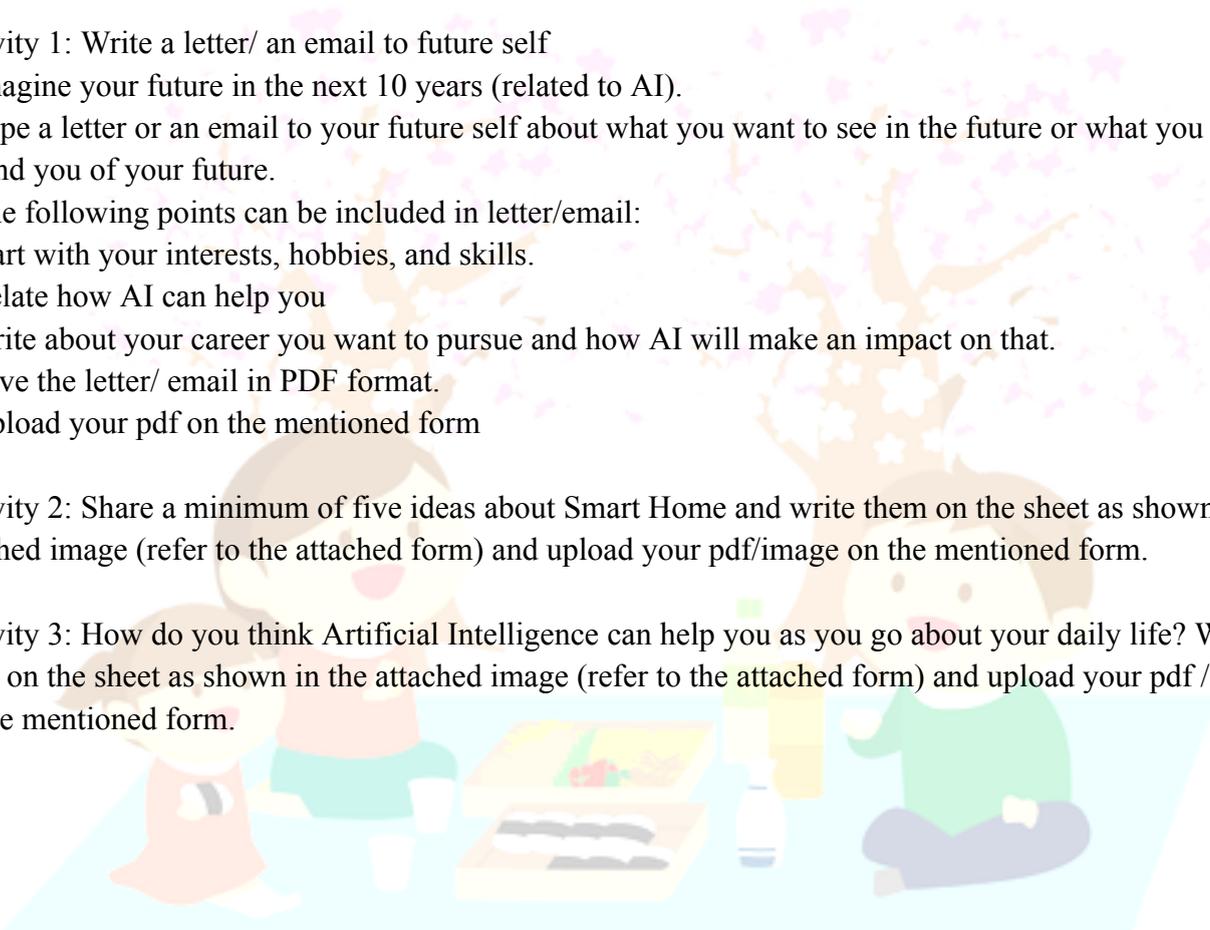
<https://forms.gle/DbRqHBHaPPXxSBmc8>

Activity 1: Write a letter/ an email to future self

1. Imagine your future in the next 10 years (related to AI).
2. Type a letter or an email to your future self about what you want to see in the future or what you want to remind you of your future.
3. The following points can be included in letter/email:
  - a. Start with your interests, hobbies, and skills.
  - b. Relate how AI can help you
  - c. Write about your career you want to pursue and how AI will make an impact on that.
4. Save the letter/ email in PDF format.
5. Upload your pdf on the mentioned form

Activity 2: Share a minimum of five ideas about Smart Home and write them on the sheet as shown in the attached image (refer to the attached form) and upload your pdf/image on the mentioned form.

Activity 3: How do you think Artificial Intelligence can help you as you go about your daily life? Write them on the sheet as shown in the attached image (refer to the attached form) and upload your pdf / image on the mentioned form.



## Hindi

### निर्देश

1. प्रस्तुतिकरण आकर्षक एवं सुंदर लेख में होना चाहिए।
2. आवश्यकतानुसार चित्रों (pic) का समावेश किया जाना चाहिए।
- 3- आप एकत्रित जानकारी रंगीन A4 शीट या चार्ट पेपर पर हस्तलिखित (handwritten) रूप में जमा कर सकते हैं।
- 4- एक रंग-बिरंगे आवरण पृष्ठ (Cover Page) पर अपना पूरा नाम ,कक्षा व रोल नंबर अवश्य लिखें।

### कला समेकित अधिगम

1. 'दुख का अधिकार' पाठ के आधार पर कल्पना कीजिए कि आप किसी ऐसे व्यक्ति से मिले हैं, जो अपनी विवशताओं को भूलकर आज अपना कर्तव्य निभा रहे हैं और कर्मरत हैं। आप उनका दुःख बाँटना चाहते हैं और सहारा बनना चाहते हैं। उनके साथ हुई बातचीत को संवाद के रूप में अपनी व्याकरण पुस्तिका में लिखिए। रोल न०-1 से 7



2. 'सरस्वती पब्लिकेशन' की 'अमृत संचय' से 'सुभद्राकुमारी चौहान की कहानियाँ' की ग्रामीणा, रूपा, 'मंझली रानी', दो सखियाँ तथा 'बिआहा' कहानियों का पठन-पाठन और अपने शब्दों में लिखित प्रस्तुति। रोल न०-8 से 14

3. साहित्यिक गतिविधि के अंतर्गत वाद-विवाद का विषय-- "कोचिंग संस्थानों में 16 साल से कम उम्र के विद्यार्थियों के दाखिले पर प्रतिबंध छात्रहित में है।"

दिए गए विषय पर A-4 साइज पेपर पर वाद-विवाद का आलेख तैयार करना एवं कक्षा में प्रस्तुतीकरण।

रोल न०- 15 से 21

## Sanskrit

### परियोजना कार्य हेतु दिशा - निर्देश :

सामान्य दिशा निर्देश-

-प्रथम पृष्ठ व्यक्तिगत परिचय

-द्वितीय पृष्ठ विषय सूची ( क्रमांक, विषय, पृष्ठ -क्रमांक )

-तृतीय पृष्ठ आभार ज्ञापन -

-चतुर्थ पृष्ठ- संदर्भ सूचिका लेखक, पुस्तक आदि का नाम, पृष्ठ संख्या, वेबसाइट का नाम ।

-कालिदासस्य "शकुन्तला" अथवा भासस्य "स्वप्नवासवदत्तम्" इत्यादिकं संस्कृतनाटकं चयनं कृत्वा तस्य कथानकं, पात्राणि, नाटकीयविधयः नैतिकपाठाः च अध्ययनं कुर्वन्तु।

- संस्कृत नाटक का अध्ययनः कालिदास के "शकुन्तला" या भास के "स्वप्नवासवदत्तम्" जैसे संस्कृत नाटक का चयन करें और इसके कथानक, पात्रों, नाटकीय तकनीकों और नैतिक पाठों का विश्लेषण करें।

## English

### 1. PORTFOLIO:

PREPARE A PORTFOLIO WITH THE FOLLOWING – ( Prepare a file with A4 size sheets)

Introduction

My strengths

I need to improve on...

My achievements

I have participated in...

The books I have read

The book I wish to read

### 2. Read the instructions and do as directed. Details are as follows:

Roll no. - 1-8

1. Take one example from day-to-day incidents and write an interesting plot of a story in A-4 sheet reflecting the conflict between person and society. ( choose any one social or current issue prevailing in Andaman and Nicobar Islands)

Roll no. - 9-15

2. Write a poem on A-4 sheet reflecting the culture of Andaman and Nicobar Islands.

Roll no. - 16-23

3. Design an attractive magazine on the culture,lifestyle and language of Andaman and Nicobar Islands. Magazine comprises the cover, index, content with detailed information and Pictures.

Roll no. - 24-32

4. Make a brochure showing the folk culture of Andaman and Nicobar Islands.

### 3.Movie Review: -

a) Watch the following movies and pen down the critical analysis as per your roll numbers. Details are as follows:

Roll no.-1-7 Freedom writers

Roll no. 8-14 Gunjan Saxena

Roll no. 15-21 I am Kalam

Roll no. 22-28 The Pursuit of Happyness

Roll no. 29-36 Super 30

Movie review to be done in A-4 size sheets.

b) Write the synopsis of the movie.

c) Describe all the five emotions shown in the movie-joy, sadness, anger, disgust and fear.

Name of the character (emotion)

Physical appearance.

Role played by the character in the movie.

d) Which is your favourite character and why?

## French

Q1. Vous **irez à l'Alliance française de Delhi** et écrivez vos expériences avec les images en 150-200 mots.

Q2. Décrivez une personne que vous aimez **en décrivant** : (nom, prénom, âge, profession, personnalité physique et psychologique, préférences)

Q3. Écrivez **un message** pour votre ami(e) lui informant que vous ne pouvez pas venir à son anniversaire. Rédigez un refus.

### Q4. **Projet : Un magazine de voyager**

L'objectif du travail : Découvrir une ville française

Démarche : Il faut d'abord choisir une ville de France comme Paris, Lyon, Nice, Marseille, Rouen etc....

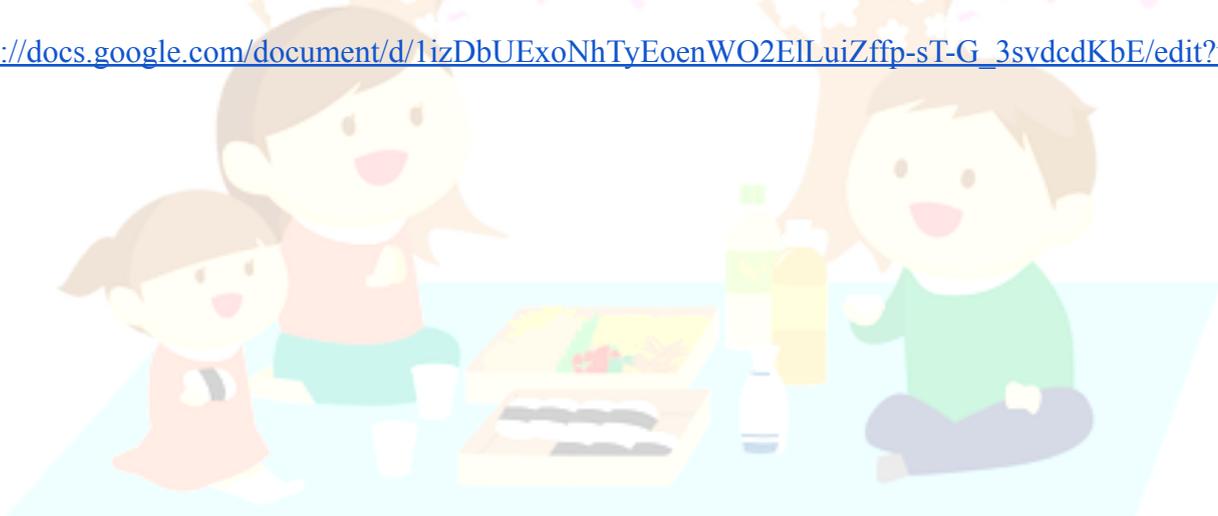
Il faut commencer à travailler sur le thème.

Votre travail doit avoir un minimum de 8 et maximum de 10 pages (A4) dont chaque page doit avoir entre 80-100 mots.

- Il faut faire une bonne recherche.
- Il faut illustrer votre travail avec des images, photos etc.
- Il faut noter et citer toutes les sources (des informations / des images) dans la bibliographie
- Il faut utiliser le dictionnaire pour le vocabulaire.
- Il faut faire des phrases simples.

En ce qui concerne le magazine : Il faut chercher ses monuments, sa mode, sa cuisine, ses spécialités etc....

[https://docs.google.com/document/d/1izDbUExoNhTyEoenWO2EILuiZffp-sT-G\\_3svdcdKbE/edit?usp=sharing](https://docs.google.com/document/d/1izDbUExoNhTyEoenWO2EILuiZffp-sT-G_3svdcdKbE/edit?usp=sharing)



## Social Studies

### Project Title: Disaster Management: Understanding, Preparedness, and Response

**Objective:** The objective of this project is to enhance students' understanding of various types of disasters, their causes, impacts, and the measures that can be taken for mitigation, preparedness, and response.

#### Project Components:

##### 1. Introduction to Disasters (Research and Presentation):

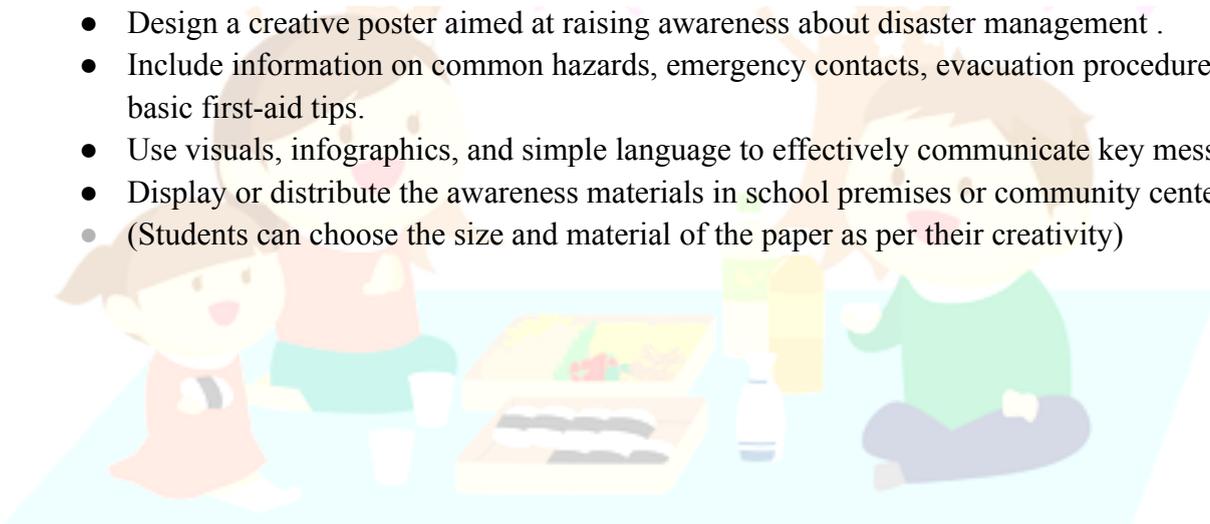
- Define what constitutes a disaster.
- Classify disasters into natural and human-made categories.
- Provide examples of different types of disasters (e.g., earthquakes, floods, cyclones, wildfires, industrial accidents).
- Discuss the causes and contributing factors for each type of disaster.
- (To be Done in A4 Sheet)

##### 2. Case Studies (Analysis and Presentation):

- Select at least three recent real-life disasters (one natural, one human-made, and one technological).
- Analyze the causes, impacts, and response strategies implemented during each disaster.
- Discuss the role of government agencies, NGOs, and communities in disaster management.
- Present findings in a structured format, highlighting key learnings and recommendations.
- (To be Done in A4 Sheet)

##### 3. Poster making

- Design a creative poster aimed at raising awareness about disaster management .
- Include information on common hazards, emergency contacts, evacuation procedures, and basic first-aid tips.
- Use visuals, infographics, and simple language to effectively communicate key messages.
- Display or distribute the awareness materials in school premises or community centers.
- (Students can choose the size and material of the paper as per their creativity)



## Mathematics

Welcome to the fascinating world of mathematics! In this holiday homework project, we will embark on a journey to explore various aspects of mathematics and its profound impact on our lives. Mathematics is not merely a subject we study in school; it is a universal language that enables us to understand and describe the world around us with precision and logic.

Through this project, we aim to enhance our understanding of key mathematical concepts and appreciate the beauty and elegance of mathematics. Part-I and Part-III are mandatory for all students.

### **Part-I (Activity - Map making)**

On a blank map of the Andaman and Nicobar Islands. Calculate and mark the coordinates of significant landmarks, such as major islands, lighthouses, or national parks.

Then, use your artistic skills to add colorful illustrations and decorations to the map, reflecting the unique flora, fauna, and culture of the islands.

Paste the map on A4/A3/chart paper. Make the outline/border of paper chosen with mathematical patterns (reflecting design from any of the Indian monuments).

### **Part-II (Project file)**

Make a Project file includes the following :

Cover page

Certificate

Acknowledgment

Background

Objective

Description

Conclusion

Application

Bibliography

#### Roll no. 1 to 6

Project - Explore the life and contributions of Euclid, known as the "Father of Geometry."

#### Roll no. 7 to 12

Project - Investigate the life and contributions of Pythagoras and Explain his famous theorem, the Pythagorean theorem.

#### Roll no. 13 to 18

Project - Investigate Ramanujan's remarkable contributions to mathematics and find out about Ramanujan's prime.

#### Roll no. 19-24

Project - Highlight Shakuntala Devi's contributions to mental calculation and mathematics. Discuss her exceptional ability to perform complex calculations mentally and her popular books on mathematics and puzzles.

### **Part -III (Worksheet)**

Mental math worksheet (Do the questions in portfolio register)

 C9 HHW worksheet

## Science

**Handwritten project** on any one of the following topics to be submitted.

Please Note: Include the following in your projects:

Cover Page (having the details of the student and the topic as well as the Subject Teacher)

Acknowledgement

Certificate

Project Introduction

Body

Conclusion

Bibliography

TOPICS-

1. Ozone layer depletion(Roll no.1-4)
2. Greenhouse effect and rising temperature (Roll no.5-8)
3. Biogeochemical cycles(Roll no.9-12)
4. Damage to forests and wildlife.(Roll no.13-16)
5. Air and role of atmosphere in climate change.(Roll no.17-20)
6. Soil pollution and saving the soil minerals.(Roll no.21-25)

