



**ARWACHIN BHARTI BHAWAN SR.SEC SCHOOL C, BLOCK
VIVEK VIHAR DELHI 110095**

**HOLIDAY HOMEWORK
CLASS X**

ENGLISH

Artistic Avenue

1. Poetry Prompt: "Faith in the Storm"

Write a short poem inspired by the story's themes: faith, nature, hope, and misunderstanding.

2. "Fit Like Tricki!"

Design a colorful health awareness poster for pet owners. Include tips for keeping pets healthy, inspired by the story's message.

3. Nature Appreciation Letter

Write a letter addressed to "Nature" thanking it for its small blessings.

Grammar Galaxy

1. Gap Filling

Complete the following sentences by choosing the correct option:

- (i) You should _____ your mother for your rude behaviour.
(a) apologise for
(b) apologise at
(c) apologise with
(d) apologise to
- (ii) People who do not recycle items like bottles and cans _____ the world's resources.
(a) will waste
(b) have wasted
(c) waste
(d) are wasting
- (iii) _____ EDUCATED MIND CAN TEACH MANY.
(a) THE
(b) A
(c) AN
(d) THIS
- (iv) When a satellite _____ (launch), the rocket begins by going slowly upwards.
(a) is launched
(b) are launched
(c) have been launched
(d) were launched

2. Reported Speech

Read the conversation between a customer and a waiter. Complete the sentence by reporting the waiter's reply correctly:

(A) Customer: Waiter, come here. The plate is dirty.

Waiter: I'll change it, sir.

The customer asked the waiter to come there. He pointed out that the plate was dirty.

The waiter politely offered _____.

(B) Report the dialogue between two friends, Seema and Anu, by completing the sentence:

Seema: What brings you here?

Anu: I am going to Dr. Sen's house.

In response to the question about what brought Anu there, Anu says _____.

(C) Select the correct option to complete the narration of a dialogue between Raj and his wife:

Raj: I have invited my friends for dinner.

Wife: I'll invite my friends too.

Raj told his wife that he had invited his friends for dinner. The wife added that _____.

(a) she will invite her friends too

(b) she would invite her friends too

(c) she can invite her friends too

(d) she could invite her friends too

(D) Ritu met Anita and saw her crying.

Ritu: "Anita, what is the matter?"

Report Ritu's question.

3. Error Correction

(i) Identify the error in the following sentence and provide the correction:

1. She may play the piano when she was only eleven.

2. Behind every success film there is a lengthy creative process.

Check and Reflect

1. Revise all the topics covered upto now.

2. Practice Integrated grammar.

हिन्दी

प्र 1 भारत के नक्शे पर वे स्थान अंकित कीजिए जहाँ नाम की पैदावार होती है। इन स्थानों से संबंधित भौगोलिक स्थितियों और अलग-अलग जगह की चाय की क्या विशेषताएँ हैं, इनका पता लगाइए और परियोजना पुस्तिका में लिखिए।

प्र 2 अपने पड़ोस के किसी बुजुर्ग का साक्षात्कार लिजिए और उनके अनुभवों की एक रिपोर्ट तैयार कीजिए।

प्र 3 परियोजना कार्य (Project Work):

‘भारत की लोक भाषाएँ और उनका महत्व’ पर 2 पृष्ठों की परियोजना तैयार करें (चित्रों सहित, यदि संभव हो)।

प्र 4 रचनात्मक लेखन (Creative Writing):

दिए गए विषयों में से किसी एक पर 150–200 शब्दों में अनुच्छेद लिखिए:

- a) डिजिटल युग में नैतिक मूल्य
 - b) पर्यावरण संरक्षण
 - c) मेरे सपनों का भारत
- प्र 5 अभी तक कराए गए सम्पूर्ण पाठ्यक्रम का अभ्यास कीजिए

MATHS

1. Prepare a colourful and attractive mathematical poster on A-3 size for the upcoming Maths fest.
2. Prepare one mathematical decorative Model (Working/Nonworking).
3. Practice 30 MCQs, 15 assertion and reason, 3 case study questions, 20 short and 20 long questions from the Chapters(1,2,3,6,8)- Real numbers, Polynomial, Pair of Linear Equations in two Variables, Similar triangles, Trigonometry in the separate copy
4. Complete activities in Activity file as discussed in the class

SCIENCE

Task - 1

Topic - Comparative study of the "Agricultural Practices" in Andaman and Nicobar Islands and Delhi .

Description of the Project

- Difference in agricultural practices in the two states
- Difference in the major crops grown
- Difference in the type of soil
- Difference in environment, temp, water etc.
- Type of farming practices used

Guidelines :

- * Project should be done collectively by all group members
- * It should have atleast 10 to 15 sheets (to be printed or written by hand)
- * First sheet should have the **Name of school/ Subject / Topic of project / names of team members**
- * Second sheet should have an **INDEX**

Task - 2 : Prepare any innovative model individually or in groups

Theme: integrated approach in Science and technology for sustainable future

Sub themes :

- Agriculture and food security
- Energy resources
- Health
- Environment
- Waste Management
- Disaster Management

Task - 3 : COMMUNITY SERVICE TO BE DONE BY STUDENTS :

Do any one of the following and take pictures & write a brief report of the community service done by you

***Tech Teaching - Head to a local retirement community or senior center and help the residents learn to use the latest technology.**

* Donate books , stationary items, old clothes

* Donate plants or plant saplings in your community

* What changes can you make in your habits to make your surroundings more eco friendly ?

Task 4: Revision Worksheet 1

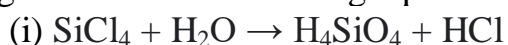
Do this in portfolio or assignment register.

Chemical Reactions and Equations

Q1. Why should a magnesium ribbon be cleaned before burning?

Q2. What happens when calcium oxide in small amount is mixed with water? Write the balanced chemical equation.

Q3. Identify the substance reduced, substance oxidized, reducing and oxidizing agents from the following equation



Q4. A reddish brown metal used in wires when powdered and heated strongly ,turns black. When hydrogen gas is passed over this black substance, it regains its original colour. Based on this information answer the following:

(i)Name the metal and the black substance formed.

(ii)Write the equations involved.

Q5. A substance X is used as building material and is insoluble in water. When it reacts with dil.HCl it produces a gas which turns lime water milky.

(i)Write the chemical name and formula of X

(ii)Write the chemical equations of the process involved

Q6. A metal M on reacting with dilute acid liberates a gas G. The same metal also liberates gas G when reacts with a base.

(i)Write the name of gas G

(ii) How is the presence of this gas tested?

(iii)Write the chemical equations of metal M with

(a) an acid (b)a base

Q7. Ramesh took 2mg of Lead Nitrate in a boiling tube and heated it over a flame. What would he observe?

Q8. In the following reaction what are the values of x and y



Q9. A student saw cloud of black smoke belched out from the exhaust stack of moving truck on the road. The reason for the smoke is

a) Limited supply of air leads to incomplete combustion of fuel

b) Rich supply of air leads to complete combustion of fuel

c) Rich supply of air leads to combination reaction

d) Limited supply of air leads to complete combustion of fuel

Q10. What happens when potassium iodide is added to lead(II) nitrate? Give any two observations. Also list two type of reactions in which this reactions can be put.

SOCIAL SCIENCE

Map work

***Wildlife Sanctuaries and National Parks*:** Identify and mark wildlife sanctuaries and national parks in India on a map.

Map of India's River Systems*: Create a map of India showing major river systems, such as the Ganges, Brahmaputra, and Indus rivers.

Project work: create a model on sustainable development , including its principles and goals

2. ***Biography of a National Leader*:** Choose a national leader, such as Mahatma Gandhi, Jawaharlal Nehru, or Bhagat Singh, and write a biography highlighting their role in the national movement.

4. ***Role of Symbols in Nationalism*:** Research and write about the role of symbols, such as the national flag or the national anthem, in promoting nationalism and unity.

SANSKRIT

1. संस्कृत घटिका निर्माण करे ।

२. संस्कृत का एक आकर्षक पोर्टफोलियो कवर तैयार करो

3. संस्कृत भाषा पर आधारित एक आकर्षक पोस्टर तैयार करें (A.4)

4 समाचार पत्र से चित्र लेकर उनके विषय 5 वाक्य संस्कृत भाषा में लिखे (चित्रवर्णन)

5. 4वेदों का प्रारूप तैयार करें(MODEL)

DRAWING

1) POT Decor – Pg – 113

2) Gift Wrapping – Pg – 109

3) Mural Design on canves (A3)– Pg - 107

ARTIFICIAL INTELLIGENCE

Instructions:

- Complete each activity digitally in Word, PowerPoint, or any tool suggested.
- Submit your work in printed or digital form, as per your teacher's instructions.
- Ensure your work is neat, creative, and shows a good understanding of AI concepts.

Activity 1: Research Report – "AI in Daily Life"

Task:

Write a **short research report** (1-2 pages) in Word/Docs on the topic:

“How Artificial Intelligence is Transforming Our Everyday Lives.”

Include:

- Introduction to AI
- 3 examples of AI in use today (e.g., Alexa, Google Maps, Chatbots)
- Benefits and concerns (privacy, job automation, etc.)
- Your opinion on future impact
- Add 1 image and use headings, bullet points, and proper formatting

Activity 2: AI Presentation – “Ethics in AI”

Task:

Make a **5-slide PowerPoint presentation** on:
“Ethical Challenges in Artificial Intelligence.”

Slides should include:

1. Title Slide
2. What is AI Ethics?
3. Real-world ethical issues (e.g., bias, surveillance)
4. AI vs Human Decision-making
5. How we can make AI responsible and fair

Include visuals, short text, and transitions.

Activity 3: AI Poster Design (Creative) – "Future with AI"

Task:

Design a **digital or hand-drawn poster** on:
“My Imagination of the World in 2050 with AI.”

Guidelines:

- Depict futuristic AI-based innovations (flying cars, robot doctors, smart cities)
- Include a caption or tagline
- Submit as image (if drawn) or PDF (if designed digitally)

INFORMATION TECHNOLOGY

Instructions:

- Complete all activities using appropriate software: MS Word, Excel, PowerPoint, or online tools.
- Submit your work in printed format or as instructed by your teacher.
- Be creative, original, and follow formatting guidelines.

□ Activity 1: Digital Documentation – Report Formatting

Task:

Prepare a well-formatted **project report** in MS Word / Google Docs on the topic.

“Role of IT in Modern Education.”

Requirements:

- Cover page with your name, class, roll no., and school name
- Headings, subheadings, and bullet points
- A table comparing online vs traditional education
- Insert at least two relevant images
- Use features like headers/footers, page numbers, and styles

Activity 2: Presentation – Cyber Security Awareness

Task:

Create a **6-slide PowerPoint presentation** on:
“Cyber Threats and How to Stay Safe Online”

Slide Guide:

1. Title Slide
2. Common cyber threats (malware, phishing, etc.)
3. Real-life examples of cyberattacks
4. Safe browsing habits
5. Importance of passwords and 2FA
6. Your personal action plan for digital safety

Use transitions and insert icons/images where needed.

Activity 3: Data Entry & Research – IT Careers in Demand

Task:

Research and make a table on **10 IT careers expected to grow in the next decade.**

Columns:

- Career Name
- Required Skills
- Minimum Qualification
- Average Salary (India)
- Industry/Company Example

Use trusted sources like Naukri, LinkedIn, or official career portals.