

**GREEN LAND CONVENT SCHOOL**  
(SENIOR SECONDARY)  
**NEW SUBHASH NAGAR, LUDHIANA**



**SUMMER VACATION**  
**HOMEWORK**  
**SESSION 2024-2025**  
**CLASS IX**

## **SUBJECT : ENGLISH**

### PROJECT -1 (Roll no. 1-23)

Title: "Literary Portrait Gallery"

Students will create a series of portraits inspired by the characters in the chapter (How I Taught My Grandmother to Read), exploring themes of family, heritage, and the power of literacy.

Materials:

- Drawing paper or canvas
- Drawing pencils, colored pencils, markers, or paints
- Reference images from the chapter (if available)
- Optional: Photographs of family members or personal artifacts for inspiration

Write character biographies or short stories exploring the background and motivations of each character depicted in your portraits.

### PROJECT-2 (Roll no. 24-46)

Create a mixed-media collage inspired by "The Brook." They could use a variety of materials such as paper, fabric, found objects, and even natural elements like leaves or twigs to represent different aspects of the brook's journey and the imagery described in the poem.

Think about texture, color, and composition to convey the mood and atmosphere of the poem.

This hands-on approach allows for a tactile exploration of the text and fosters creativity and interpretation.

Read Book 'Boots, Belts, Berets' By Tanushree and write the book review.

## **SUBJECT: PUNJABI**

### I. ਰੇਲ ਨੰਬਰ:- 1 ਤੋਂ 23

**ਵਿਸ਼ਾ-** 'ਸਮੇਂ ਦਾ ਮਹੱਤਵ' ਸਬੰਧੀ ਫਾਈਲ ਬਣਾਉ।

- \* ਸਮੇਂ ਦਾ ਮਹੱਤਵ ਅਤੇ ਇਸ ਦੀ ਸਹੀ ਵਰਤੋਂ ਸੰਬੰਧੀ ਕੋਈ ਪੰਜ ਕਵਿਤਾਵਾਂ ਲਿਖੋ।
- \* ਹਰੇਕ ਕਵਿਤਾ ਨਾਲ ਉਸ ਦੇ ਕਵੀ ਦੀ ਫੋਟੋ ਲਗਾਓ।
- \* ਫੋਟੋ ਲਗਾ ਕੇ ਉਹਨਾਂ ਦੇ ਜੀਵਨ ਸੰਬੰਧੀ ਜਰੂਰੀ ਜਾਣਕਾਰੀ ਦਿਓ।
- \* ਫਾਈਲ ਘੱਟ ਤੋਂ ਘੱਟ 10 ਪੇਜਾਂ ਦੀ ਹੋਵੇ।

### II. ਰੇਲ ਨੰਬਰ:- 24 ਤੋਂ 46

- \* 'ਪ੍ਰਦੂਸ਼ਣ ਦੀਆਂ ਕਿਸਮਾਂ ਅਤੇ ਰੋਕਥਾਮ ਦੇ ਤਰੀਕੇ'
- \* ਪ੍ਰਦੂਸ਼ਣ ਦੀਆਂ ਕਿਸਮਾਂ ਦੀ ਵਿਸਥਾਰ ਵਿੱਚ ਜਾਣਕਾਰੀ ਦਿਓ।
- \* ਪ੍ਰਦੂਸ਼ਣ ਦੇ ਕਾਰਨ ਲਿਖੋ।

- \* ਪ੍ਰਦੂਸ਼ਣ ਨੂੰ ਰੋਕਣ ਦੇ ਉਪਾਅ ਦੱਸੋ।
- \* ਤਸਵੀਰਾਂ ਦੀ ਵੱਧ ਤੋਂ ਵੱਧ ਵਰਤੋਂ ਕਰੋ।
- \* ਫਾਈਲ ਘੱਟ ਤੋਂ ਘੱਟ ਦਸ ਪੇਜਾਂ ਦੀ ਹੋਵੇ।

## **SUBJECT: MATHEMATICS**

### **Group A (Roll No. 1 to 15)**

**NAME OF THE PROJECT:** Euclid's Postulate.

**NAME OF THE ACTIVITY:** present all the angles between parallel lines and transversal

#### **Instructions:**

1. Use a chart paper with thick base for particular topics.
2. Define Euclid's Postulates.
3. Write uses of postulates in geometry.
4. Write the name of all angles.
5. Show each angle by giving example.

### **Group B (Roll No. 15 to 30)**

**NAME OF THE PROJECT:** Algebraic Identities

**NAME OF THE ACTIVITY:** MODEL MAKING

#### **Instructions:**

1. Choose any one identity.
2. Make model of your chosen Algebraic Identity.
3. Cutting and pasting your material as per required.
4. Give full explanation about your identity on your model.

### **Group C (Roll No. 30 to 46)**

**NAME OF THE PROJECT:** Coordinate Geometry

**NAME OF THE ACTIVITY:** Show quadrants and axes through model.

#### **Instructions:**

1. Use graph paper .
2. Define about different parts quadrants, origin, axis.
3. Write about the signs of quadrants and axis
4. Solve 10 examples of related topic and paste the graph.

## **SUBJECT: SCIENCE**

### **PHYSICS (Roll no.1-4)**

NAME OF THE PROJECT: Make a working model on following topic

TOPIC: Motion and its types

#### **ACTIVITY INSTRUCTIONS**

The model should contain following information:

1. Make an attractive working model of 1x1feet on wooden base.
2. Make 4 charts to show principal, advantages, material used and sketch of this model.

### **(Roll no.5-8)**

NAME OF THE PROJECT: Make a working model on following topic

TOPIC: Potato battery

#### **ACTIVITY INSTRUCTIONS**

The model should contain following information:

- 1.Make an attractive working model on wooden base.
- 2.Make 4 charts to show principal, advantages, material used and sketch of this model.

### **(Roll no.9-12)**

NAME OF THE PROJECT: Make a working model on following topic

TOPIC: solar clock

#### **ACTIVITY INSTRUCTIONS**

The model should contain following information:

- 1.Make an attractive working model of 1x1feet on wooden base.
- 2.Make 4 charts to show principal, advantages, material used and sketch of this model.

### **CHEMISTRY (Roll no.13-19)**

NAME OF THE PROJECT: Waste water

TOPIC: Waste Water Treatment Plant

#### **ACTIVITY INSTRUCTIONS**

The model should contain following information:

1. Make an attractive working model on wooden base.
2. Make 4 charts to show principal, advantages, material used and sketch of this model.

<https://youtu.be/rFtHBPJz5j0>

**(Roll no.20-25)**

NAME OF THE PROJECT: Free Energy Device

TOPIC: Water Wheel Free Energy

**ACTIVITY INSTRUCTIONS**

The model should contain following information:

1. Make an attractive working model on wooden base.
2. Make 4 charts to show principal, advantages, material used and sketch of this model.

<https://youtu.be/hC8NEiwrLTg>

**BIOLOGY (Roll no.26-30)**

NAME OF THE PROJECT:- Make a 3d working model of Plant Cell

TOPIC:- Types of Living Cell

**ACTIVITY INSTRUCTIONS**

[https://youtu.be/A\\_Ze\\_uyzkSE](https://youtu.be/A_Ze_uyzkSE)

The model should contain the following information :

1. Make an attractive working model of 3X5 “ inch.
2. Make 4 charts to show principle, advantages, material used and sketch of this model

**(Roll no.31-35)**

NAME OF THE PROJECT:-Make a working model of Stomata

TOPIC:- Gases exchange in plants

**ACTIVITY INSTRUCTIONS**

<https://youtu.be/entUoOSVtPcE>

The model should contain the following information :

1. Make an attractive working model of 5X5 “ inch.
2. Make 4 charts to show principle, advantages, material used and sketch of this model.

**(Roll no.36 Onwards)**

NAME OF THE PROJECT:-Make a working model of Drip irrigation

**ACTIVITY INSTRUCTIONS**

<https://youtu.be/7CYkfwke9tU>

The model should contain the following information :

1. Make an attractive working model of 5X5 “ inch.
2. Make 4 charts to show principle, advantages, material used and sketch of this model.

Revise the syllabus done in the class

**SUBJECT :SOCIAL SCIENCE**

**NAME OF THE PROJECT:** Disaster Management Project

Prepare a project file on any of the following topic:

- |                      |                |
|----------------------|----------------|
| 1. Pandemic Covid-19 | 4. Earthquake  |
| 2. Floods            | 5. Wind Energy |
| 3. Solar Energy      | 6. Wild Fire   |

**Guidelines to be followed:**

1. The total length of the project report should not be more than 10-12 written pages of

A-4 size sheet.

2. The project report should be handwritten and credit will be awarded to original drawings, illustrations and creative use of eco-friendly material.
  3. The project report should be developed and presented in this order
    - a) Cover page showing project title, student information, school and year.
    - b) Certificate page
    - c) Acknowledgement
    - d) Index- List of contents with page numbers.
    - e) Introduction
    - f) Relevant content with headings
    - g) Summary and conclusions based on findings.
    - h) Bibliography: should have the Title, author, publisher and if a website the name of the website with the specific website link which has been used.
- Make World clocks to compare six time zones with that of India. You can use disposable plates, any waste material or paper cuttings (Completely your choice).
- Revise the syllabus done in class.

## विषय हिंदी

- \* निम्न में से किसी एक विषय पर कहानी लेखन करें:  
प्रारंभिक वाक्य: "जब मैंने उस पुराने बक्से को खोला, तो अंदर एक पुरानी डायरी मिली। उस डायरी के पहले पन्ने पर लिखा था...  
"प्रारंभिक वाक्य: "अचानक मेरे कमरे की दीवार से एक चमकदार रोशनी आई और जब मैंने मुड़कर देखा तो..."2.
- \* संवाद लेखन:विषय:  
दो दोस्तों के बीच संवाद, जहाँ वे अपनी छुट्टियों के अनुभव साझा कर रहे हैं।  
एक अध्यापक और छात्र के बीच संवाद, जहाँ छात्र अपने जीवन के लक्ष्यों के बारे में बात कर रहा है। \*डायरी लेखन:विषय:  
"मेरे जीवन का सबसे सुखद दिन"  
"आज मैंने क्या सीखा?"
- \* चित्र वर्णन: \* एक चित्र चुनें और उसका वर्णन करते हुए एक कहानी लिखें।
- \* एक प्रसिद्ध चित्रकार की पेंटिंग देखें और उसके आधार पर एक रचना तैयार करें।