



**New G.M.T Sen.  
Sec. Public School  
Holidays  
Homework  
Class X  
(Session 2024-25)**



## PREFACE

Dear Parents and Students,

Summer vacation is around the corner, bringing with itself a much-needed respite from hectic school days. We hope that you will thoroughly enjoy the vacations and make the most of this summer. While it is indeed important that you relax and refresh yourselves, it is also important that you exercise your minds.

Keeping this 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 aimed at improving 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 Activity, Portfolio or Art Integrated activity.

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.

Wishing you a fun filled, safe summer vacation.

### **Summer Tips to be followed**

- “A healthy mind resides in a healthy body”- Pay attention to your health, go for morning and evening walks, drink lots of water, avoid the consumption of junk food, eat healthy and stay healthy.
- Open your mind for reading newspapers, novels, blogs and stories that will help you in increasing your vocabulary.
- Indulge yourself into activities like cooking, singing, dancing, aerobics, cycling, trekking, swimming, art and craft, river rafting and gardening. And share your experience with your family and friends.
- Spend quality time with your grandparents and parents, talk to them regarding their experience of school.



## English

Subject	Description	To be Done
English	Roll No.1-10 (Present Tense)	On chart paper
	Roll No.11-20 (Past Tense)	On chart paper
	Roll no. 21-35 (Future Tense) (Note- Chart should be visible properly and paste pictures also)	On chart paper

## Punjabi

### ਕਲਾ ਏਕੀਕ੍ਰਿਤ ਪ੍ਰੋਜੈਕਟ

ਨੋਟ: ਵਿਦਿਆਰਥੀ ਪ੍ਰੋਜੈਕਟ ਫਾਈਲ ਹੇਠ ਦਿੱਤੇ ਵਿਸ਼ਿਆਂ ਦੇ ਅਨੁਸਾਰ A4 ਸਾਈਜ਼ ਦੀਆਂ ਸੀਟਾਂ ਉੱਪਰ ਦਿੱਤੇ ਹੋਏ ਰੋਲ ਨੰਬਰਾਂ ਦੇ ਅਨੁਸਾਰ ਤਿਆਰ ਕਰਨਗੇ।

#### 1. ਵਿਸ਼ਾ: ਪੰਜਾਬ ਅਤੇ ਉੜੀਸਾ ਦਾ ਤੁਲਨਾਤਮਕ ਅਧਿਐਨ

- ਖਾਣ ਪੀਣ (1 ਤੋਂ 10 ਰੋਲ ਨੰਬਰ)
- ਪਹਿਰਾਵਾ (11 ਤੋਂ 20 ਰੋਲ ਨੰਬਰ)
- ਤਿਉਹਾਰ (21 ਤੋਂ 36 ਰੋਲ ਨੰਬਰ)

(Take care of these points while making the assignment)

1. Punjabi Project: ਵਿਸ਼ੇ ਦਾ ਨਾਂ

2. Cover page: ਮੁੱਖ ਪੰਨਾ

- Name of the school: ਸਕੂਲ ਦਾ ਨਾਂ
- Class: ਜਮਾਤ
- Roll number: ਰੋਲ ਨੰਬਰ
- subject: ਵਿਸ਼ਾ
- Session: ਸੈਸ਼ਨ
- submitted to: ਪ੍ਰਾਪਤਕਰਤਾ
- submitted by: ਜਮਾਕਰਤਾ

3. Content: ਸਮੱਗਰੀ

4. Acknowledgement: ਪ੍ਰਵਾਨਗੀ

5. ਜਾਣ ਪਛਾਣ..... ਵਿਸ਼ੇ ਨਾਲ ਸੰਬੰਧਿਤ ਸਮੱਗਰੀ ..... ਸਾਰੰਸ਼  
(ਪ੍ਰੋਜੈਕਟ ਤਸਵੀਰਾਂ ਦੀ ਮਦਦ ਨਾਲ ਬਣਾਇਆ ਜਾਵੇ)

6. Bibliography: ਕਿਤਾਬਚਾ

7. Thanks: ਧੰਨਵਾਦ

2. ਵਿਦਿਆਰਥੀਆਂ ਦੁਆਰਾ ਹੇਠ ਦਿੱਤੇ ਵਿਸ਼ਿਆਂ ਉੱਪਰ ਚਾਰਟ ਬਣਾਉਣਾ ਜ਼ਰੂਰੀ ਹੈ। ਵਿਸ਼ਿਆਂ ਦੀ ਵੰਡ ਹੇਠਾਂ ਦਿੱਤੇ ਗਏ ਰੋਲ ਨੰਬਰਾਂ ਦੇ ਅਨੁਸਾਰ ਕੀਤੀ ਜਾਵੇਗੀ।

- Motivational: ਪ੍ਰੇਰਨਾਦਾਇਕ (1 ਤੋਂ 18)
- Quotational: ਹਵਾਲੇ ਸਬੰਧੀ (19 ਤੋਂ 36)

3. ਵਿਦਿਆਰਥੀਆਂ ਦੇ ਦੁਆਰਾ ਪੰਜਾਬ ਦੇ ਸੱਭਿਆਚਾਰ ਨੂੰ ਪੇਸ਼ ਕਰਦੇ ਹੋਏ ਗਿੱਧਾ, ਭੰਗੜਾ ਜਾ ਗੀਤ ਗਾਉਂਦੇ ਹੋਏ ਇੱਕ ਰੀਲ ਬਣਾ ਕੇ ਸਕੂਲ ਦੇ ਗਰੁੱਪ ਵਿੱਚ ਉੱਪਰ ਭੇਜੀ ਜਾਵੇ।

## Hindi

1. पंजाब और ओडिशा के व्यंजन (खाद्य पदार्थ) और उत्सव का तुलनात्मक अध्ययन कीजिए। (Art and integrated activity) use A4 Size sheet.
2. अपने दादा जी- दादी जी, ताऊ जी-ताई जी, नाना जी -नानी जी अथवा आपके परिवार के जो भी वृद्ध जन हैं, उनके साथ एक पूरा दिन बिताइए उनके पास बैठिए एवं उनसे उनके जीवन के विषय में उनसे बात कीजिए (जैसे की उनके बचपन के विषय में, उनकी शिक्षा के विषय में इत्यादि)। उनके अनुभवों को अपने शब्दों में लिखिए।(हरिहर काका) कहानी को मध्य नजर रखते हुए।(अतिरिक्त कार्य पुस्तिका पर)
3. अन्न, किसान के खेत से, मनुष्य के पेट में पहुंचने तक किन- किन परिस्थितियों से गुजरता है ? चित्र सहित विधिवत् वर्णन कीजिए। (चार्ट पर) (task)

## Mathematics

### **Art Integrated Project**

Prepare an art integrated project on any one of the following topics:

- Mathematical study of Odisha Dance Postures (<https://www.slideshare.net/slideshow/maths-art-integrated-projectpptx/255199282>)
- Verification of the sum of n terms of an AP ([https://youtu.be/BBYkZ89viRY?si=fiR\\_oikBziM0zh7d](https://youtu.be/BBYkZ89viRY?si=fiR_oikBziM0zh7d))
- Working model on Trigonometric Ratios (<https://youtu.be/widUXHLHFcc?si=3uLtVUx6HQipPZax>)

## Science

### ● Chemistry

A. Revise chapter:-

1. Chemical reactions and equations
2. Acids, Bases and Salts

### Physics

A. Revise chapter:-

1. Light Reflection and Refraction
2. Human eye and colourful world (defect of vision)  
(for pre - mid Term Exams thoroughly.)

B) Notebook completion:-

- Complete your notebook in the following aspects:-

- a) In text questions of chapter
- b) Textual questions of chapter

C) Complete your practicals as discussed in the class.

### **Activity work**

1. With help of working model Show the law of reflection ( $i=r$ )



2. Making a working model to Show light travel in straight line
3. Prepare the tabular display of all the cases of image formation by convex and concave lens ,along with neat and clear ray diagram of all the cases.
4. Making a different material used in optics .
  1. Convex lens
  2. Concave lens
  3. Glass slab
5. Make neat and clean chart on human eye
6. Prepare the tabular display of all the cases of image formation by convex mirror and concave mirror ,along with neat and clear ray diagram of all the cases.

## **Biology**

### **Activity Work**

A Make an investigatory project report on “Diabetes mellitus” emphasizing the following points

- (i) Diabetes mellitus and its cause,
- (ii) Symptoms of the disorder,
- (iii) Precautionary measures,
- (iv) Treatment of the disorder,
- (v) A case study

### **Instructions:**

- (i) Write the project report on A4 size plain paper in your own hand writing,
- (ii) Paste concerned colourful pictures, cuttings from magazines and newspapers, data etc.,

Make working model on the following topic:-

- a) Human heart      OR      b) Human excretory system

## **Social Science**

### **Project Work:**

Prepare a project file on the following topics:

- Consumer Rights                      (Roll No.1 to 12)  
Social Issues                              (Roll No.13 to 24)  
Sustainable Development. (Roll No.25 to 36)

### **Guidelines For The Project Work:**

The projects and models prepared should be made from eco-friendly products without incurring too much expenditure. The Project Report should be handwritten by the students themselves and comprise of not more than 15 foolscap pages.

### **Art Integrated File:**

Prepare an art integrated file on 'Flora and Fauna' and National Parks and Wildlife' of Punjab and Odisha.