

GIRLS' HIGH SCHOOL & COLLEGE, PRAYAGRAJ

SESSION: 2026-2027

CLASS -8 (A,B,C,D,E,F,G)

HOLIDAY HOMEWORK

Note: Please clearly mention your Name, Class/Section and Admission Number on the projects.

SUBJECT – ENGLISH LANGUAGE PROJECT

INSTRUCTIONS: Parents are expected to ensure that the students use their English Grammar Book and/or the internet to write the project. They should use an inter-leaf assignment copy for the project and should be able to finish the assignment within 6-8 pages. Paste or draw relevant pictures. The project work must be neatly done involving student's creativity. Do as instructed in the class.

TOPIC : NOUN TOWN

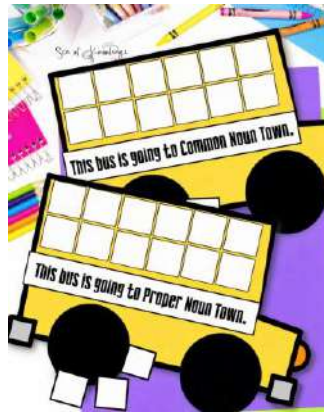
Steps to be followed:

1. Making the Buses

Create five different buses, each representing a type of noun:

- Proper Noun Bus
- Common Noun Bus
- Collective Noun Bus
- Abstract Noun Bus
- Possessive Noun Bus

You may draw the buses or cut and paste them using coloured paper. Make your buses bright, neat, and creative. Refer to the picture attached.



2. Arranging the Buses

Paste only two buses on one blank page of your project copy. So, you will use three blank pages in total.

3. Filling the Windows

Each bus has windows. Write nouns inside the windows according to the type of the bus:

Example: Common Noun Bus → boy, city

Proper Noun Bus → Rahul, India

Collective Noun Bus → team, flock

Abstract Noun Bus → happiness, bravery

Possessive Noun Bus → Riya's book, dog's tail

4. Sentence Writing (Lined Page)

On the lined page next to your buses,

Write: One sentence using one noun from each category

Total sentences = Five sentences

SUBJECT - ENGLISH LITERATURE PROJECT

INSTRUCTIONS:

- Parents are expected to ensure that the students use the Neuberg Songbird Workbook - 8 as their Project Book.

- The project work must be neatly done in the book only.
- No separate project file is required.
- The students are expected to follow the instructions given in the class for completing the project work.

Book : Neuberg Songbird Workbook - 8

Activity-

The students are expected to complete the following exercises in the book.

- **LS.1 Worksheet 1 - Milly the Pony/Alaskan Gold Part 1**

Answer the questions – Exercise A, B & C

- **LS.5 Worksheet 5 - A Tent in Agony**

Answer the questions- Exercise A, B & C

SUBJECT - हिन्दी परियोजना कार्य

निर्देश - अभिभावकों से अपेक्षा की जाती है कि वह यह सुनिश्चित करें कि छात्रा दिए गए निर्देशानुसार ही हिन्दी परियोजना कार्य पूर्ण करें। इसके लिए वह हिन्दी की पुस्तक और इंटरनेट का सहारा ले। यह परियोजना कार्य (project) एक असाइनमेंट पुस्तिका में लगभग 8-10 पेज में किया जाना चाहिए। छात्राओं को विषय से संबंधित चित्र अवश्य लगाना चाहिए।

1) आभार

2) विषय सूची

क्रम संख्या | पृष्ठ संख्या | विषय वस्तु | दिनांक | हस्ताक्षर।

परियोजना - 01

1) झांसी की रानी के जीवन का सचित्र वर्णन करते हुए उनके जीवन से मिलने वाले प्रेरणा पर प्रकाश डालिए।

परियोजना - 02

1) “आ बैल मुझे मार “ उक्ति को आधार बनाकर चित्र सहित एक मौलिक कहानी लिखिए।

- संदर्भ-ग्रंथ सूची
- उपसंहार

SUBJECT- MATHEMATICS PROJECT

TOPIC: SETS

Q 1. Title: The botanical Venn – A study of leaf sets

(A) Collect 10 different leaves from your surroundings. Create a universal set and write its cardinality. Divide your collection into three specific sets based on their features.

Set A : leaves with toothed or jagged edges (e.g. Rose, Hibiscus)

Set B : leaves that have multiple leaflets on one stalk (e.g. Neem, Gulmohar)

Set C : leaves longer than 6 cm (e.g. Mango, peepal)

(B) (a) Represent your sets mathematically in your report in set builder notation.

(b) Write the intersection of the sets like $(A \cap B)$, $(A \cap C)$, $(B \cap C)$ and $(A \cap B \cap C)$.

(c) Prove that formula $n(A \cup B) = n(A) + n(B) - n(A \cap B)$ by writing the cardinal numbers in each set required.

(d) What does C' represent in this project.

(C) If you take a subset S containing only 3 leaves, how many total subsets can be formed?

(D) Draw a large rectangle (The Poster) to represent the universal set U.

Q 2. Set $\xi = \{x : x \in N, x < 50\}$, $A = \{x : x^2 \in \xi\}$ $B = \{x : x = n^2, n \in N\}$ and $C = \{x : x \text{ is a factor of } 36\}$. List the elements of each of the sets A, B, and C. Also, state whether each of the following is true:

(i) $A \subseteq B$ (ii) $A = B$ (iii) $A \leftrightarrow B$

Q 3. Let $U = \{x : x \in N, x \text{ is factor of } 144\}$, $A = \{x : x \in N, x \text{ is a factor of } 24\}$,
 $B = \{x : x \in N, x \text{ is a factor of } 36\}$, $C = \{x : x \in N, x \text{ is a factor of } 48\}$. Find:

(i) $A \cup B$ (ii) $A \cup C$ (iii) $A \cap B'$ (iv) $B \cap C'$ (v) $C - A$.

Q 4. Create a Venn diagram to sort the following 3D shapes: Cube, Sphere, Cylinder, Cone, Pyramid.

Make two sets of the shapes that can roll and that can slide. Identify which shapes fit into each category and which overlap.

SUBJECT - HISTORY PROJECT

INSTRUCTIONS: Parents are expected to ensure that the students refer to different History books and /or internet to write the project. This project should be done approximately in 10 to 15 pages in an assignment copy. Students must paste relevant pictures. The project work must be neatly done involving student's creativity.

TOPIC : FROM DARKNESS TO LIGHT : INDIA'S SOCIO-RELIGIOUS AWAKENING

1. **Topic**
2. **Acknowledgement**
3. **Index**
4. **Introduction-** Importance of socio-religious reforms in shaping modern India
5. **Key Reformers and Movements / Reforms**
 - (i) Raja Ram Mohan Roy
 - (ii) Ishwar Chandra Vidyasagar
 - (iii) Swami Dayananda Saraswati
 - (iv) Swami Vivekananda
 - (v) Annie Besant
 - (vi) Sir Syed Ahmed Khan
 - (vii) Singh Sabhas
6. **Impact on Indian Society-** Steps to eradicate the social evils which exist in our country
7. **Map Work-** On a political map of India, locate, mark and label the states where the following centres of social reforms were established:
 - (i) Brahma Samaj
 - (ii) Ramakrishna Mission
 - (iii) Theosophical Society
 - (iv) Satyashodhak Samaj
 - (v) Muhammeden Anglo-Oriental College
8. **Bibliography**
9. **Webliography**

Note: Paste relevant pictures throughout the project.

SUBJECT- GEOGRAPHY PROJECT

INSTRUCTIONS: Parents are expected to ensure that the students refer to different Geography Books and/or internet to write the project. This project should be done approximately in 10 to 15 pages in an assignment copy. Students must paste relevant pictures. The project work must be neatly done involving student's creativity.

1. TOPIC - CONTOURS: THE LANGUAGE OF MAPS

2. Acknowledgement

3. Index

4. Introduction

- What are Contours?
- Importance of Contours.
- Important terms
 - (a) Contour interval
 - (b) Spot Height
 - (c) Bench mark

5. Landforms shown by contours

(a) Hills

(b) Plateau

(c) Valley

(d) Ridge

(e) Cliff

- Draw neat contour diagrams of the above landforms.

6. Conclusion

7. Bibliography

SUBJECT-PHYSICS PROJECT

INSTRUCTIONS: Parents are expected to ensure that the students refer to different Physics books and/or the internet to write the project. This project should be done in approximately 12 - 20 pages in an assignment copy or file. Students must paste relevant pictures or draw neat and labelled diagrams. The project work must be neatly done involving the student's creativity.

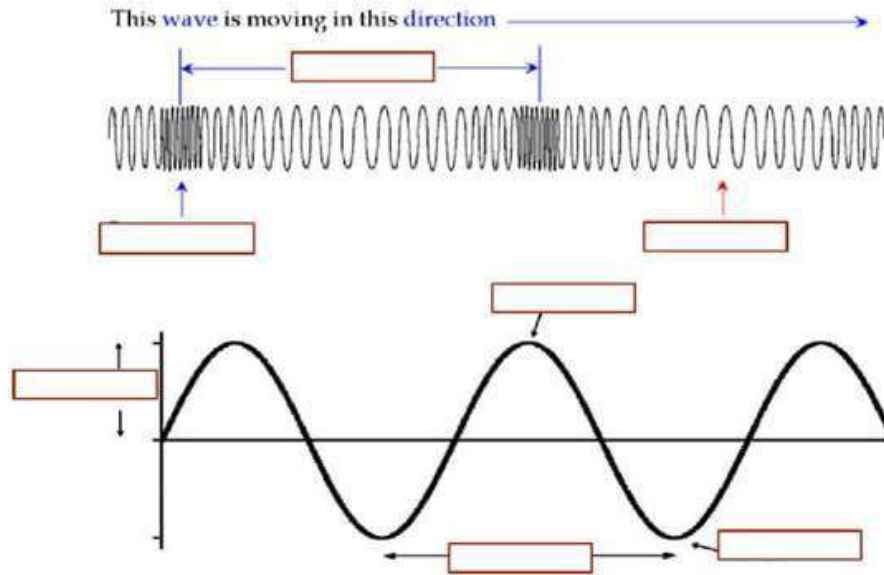
TOPIC: SOUND

1. Acknowledgement

2. Introduction

3. What is the “soul” of sound? Explain how vibrations are the primary cause of every sound we hear.

4.



Study the given wave diagrams carefully and label the following parts and define each of them:

- Compression
- Rarefaction
- Wavelength
- Crest
- Trough
- Amplitude

Also find the relationship between wavelength, frequency, wave speed and time period of a wave.

5. Nature’s Superpower: Sound Detectives

How do bats ‘see’ with sound, but humans cannot hear these sounds? Explain the difference using the concept of frequency range. Also define Echolocation.

6. A guitarist plays a note of frequency 400 Hz. The speed of a wave on the string is 800 m/s. Later the guitarist tightens the string and observes a change in the sound.

- Calculate the wavelength of the wave.
- Find the time period of the wave.
- When the string is tightened, which property of the wave changes?
- Does the speed of the wave change when tension in the string is increased? Explain your answer.
- How is pitch related to the change in the sound observed? Explain.

7. Design a low – cost fire alarm using basic materials like a battery(3V), a buzzer(3V) and a simple heat sensor. Explain its working as a fire detector.
8. Conclusion
9. Bibliography

SUBJECT - CHEMISTRY PROJECT

INSTRUCTIONS: Parents are expected to ensure that the students refer to different Chemistry books and/or the internet to write the project. This project should be done in approximately 12 - 20 pages in an assignment copy or file. Students must paste relevant pictures or draw neat and labelled diagrams. The project work must be neatly done involving the student's creativity.

TOPIC: ELEMENTS, COMPOUNDS AND MIXTURES

1. Collect soil from your garden and create a "contaminated soil" mixture containing iron fillings, salt, sand, small pebbles etc. Explain step by step procedure to separate each component of the soil mixture on the basis of their physical properties. (Paste contaminated soil mixture and separated components)
2. Riya found a white powder in her kitchen. Her mother said, 'Don't taste it', it may be washing soda / baking soda / salt. Suggest methods to identify the compound.
3. Suggest methods to check adulteration in the following substances (Quick-at-home test)
a) Turmeric Powder b) Milk c) Honey d) Tea Leaves
4. A jeweller has 24 carat gold but says, "I cannot make bangles from it". Why did he say so? Write methods to make gold bangles more durable.

SUBJECT – BIOLOGY PROJECT

INSTRUCTIONS: Parents are expected to ensure that the students refer to the Biology books and/or the internet to write the project. This project should be done approximately in 10-15 pages in an assignment copy. Students must paste relevant pictures or draw neat labelled diagrams. The project work must be neatly done involving student's creativity.

TOPIC: SEXUAL REPRODUCTION IN PLANTS

Introduction- Define flower as a reproductive unit.

-Description of the various components of a flower.

-What is pollination? Explain the two main types of pollination.

-Write about the different agents of pollination.

-Select and observe any five common flowers and mention the mode of pollination of each.

-Conclusion

-Bibliography

SUBJECT – COMPUTER PROJECT

INSTRUCTIONS: Parents are expected to ensure that the students refer to their Computer book and / or the internet to write this project. This project should be done in approximately 8-10 pages in an interleaf assignment copy. Draw / Paste relevant pictures.

TOPIC: ALGORITHMS AND FLOWCHARTS

- Index
- Acknowledgement

FLOWCHARTS:

1. Draw a flowchart to calculate the product of three numbers.
 2. Draw a flowchart to swap two numbers.
 3. Draw a flowchart to find the smaller number between two numbers.
 4. Draw a flowchart to find the factorial of a number.
- Conclusion
 - Bibliography

END