

GIRLS' HIGH SCHOOL AND COLLEGE, PRAYAGRAJ
SESSION: 2021-2022
CLASS: 8(A, B, C, D, E)
HALF YEARLY

1. ENGLISH LANGUAGE PROJECT

TOPIC: Poster Making

Instructions:

Parents, please ensure that the student uses internet or refers to the link given below for the Poster making. Plain Sheet of any kind can be used (as big as an art sheet).

Heading: Value of books and reading in our life.

A poster is visually more attractive and is supposed to catch the attention of the people from a distance. It is generally brief and carries a picture or a drawing which conveys the message.

Features of the Poster:

- The topic should be clearly stated.
- It should have some catchy slogans (not more than 50 words).
- Name of the school, organization or institution should be given in a poster made for awareness.
- More than your drawing, different styles of writing will make your poster attractive.

Aims of the Poster:

There are two aims

- 1) For publicity
- 2) For awareness of certain social issues

Design a poster for your school library on the value of books and reading in our life. You may use slogans. Do not exceed 50 words. Make a border and write your name, class and section on the top.

Link: <https://images.app.goo.gl/mXLQaLP6ahAwudgB9>

Sample



2. MATHS PROJECT

Instructions: Parents are expected to ensure that the child goes through the examples given in the textbook to solve the questions given below. The project can be done in any notebook.

Chapter – Exponents

Answer the following

Q1. Evaluate

(i) $3^0 \times 4^3 \times 2^{-5}$

(ii) $\frac{1}{5^{-4}}$

(iii) $\left(\frac{-4}{3}\right)^{-2}$

(iv) $(2x^3y^2)^3$

(v) $(32)^{-\frac{4}{5}}$

Q2. Simplify

(i) $(2^5 \times 2^4) \div 2^{12}$

(ii) $(243)^{\frac{2}{5}} \div (32)^{\frac{-2}{5}}$

(iii) $[(7^3)^0]^5$

(iv) $\sqrt[5]{x^{20}y^{-10}z^5} \div \frac{x^3}{y^3}$

(v) Show that $\left(\frac{x^a}{x-b}\right)^{a-b} \cdot \left(\frac{x^b}{x-c}\right)^{b-c} \cdot \left(\frac{x^c}{x-a}\right)^{c-a} = 1$

3. HISTORY PROJECT

TOPIC – The American Revolution

NOTE: - Parents, please ensure that the student uses a history book (My book of History & Civics by Manju Bhashini) or internet to write this project. Any notebook can be used. Paste pictures on left side of the page related to the matter.

(Pgs 1-3) - Index, Acknowledgement, Introduction of the topic

(Pgs 4-15) - Headings: Thirteen Colonies, Causes of the American Revolution, Beginning of the Revolution, Birth of the United States of America, Significance of the American Revolution, Bibliography.

4. GEOGRAPHY PROJECT

TOPIC – URBANIZATION WITH THE CONCEPTS OF SMART CITIES

INSTRUCTIONS – Parents, please ensure that the student uses a Geography book (Around the World by Ratna Sagar) or internet to write this project. Any notebook can be used. Paste pictures on the left side of the page related to the matter.

(Pg 1-3) Topic, Index, Introduction of the topic

(Pg 4-15) Headings: Origin and Causes of Urbanization, Impacts of Urbanization-Positive Impacts, Negative Impacts, Smart Cities, The factors which contribute to the definition of a Smart City, The main use of ITC in a Smart City, Characteristics, Conclusion-Smart Cities Mission, Bibliography.

5. PHYSICS PROJECT

Instructions: Parents are expected to ensure that the student refers to the Physics book or internet to write this project. Any exercise book can be used. The project should be of 8-10 pages.

Topic: Energy

Subject Matter:

Collect information on the topic 'Energy'. Write in detail and draw diagrams or paste pictures related to the following sub-topic:

- Define energy.
- Explain its various forms.
- Discuss the 'Transformation of Energy' in our day-to-day life.

6. CHEMISTRY PROJECT

Note :

1. Students are suggested to search for topic related details from books or internet.
2. Students can use any exercise-book available to them, for the project work.
3. Page limit is approximately 8 to 10 pages.
4. Students must paste topic related pictures.
5. The project work must be neatly done involving the student's creativity.

Topic : Matter

Subtopics :

- I. Definition and the three states of matter.
- II. Main postulates of kinetic theory of matter.
- III. Explanation of change of states of matter on the basis of kinetic theory of matter.
- IV. Law of conservation of mass, statement and explanation with example.

7. BIOLOGY PROJECT

Instructions- Parents are expected to ensure that the student refers to the biology book or the internet to write the project. Any exercise book can be used. The project should be of 8-10 pages.

TOPIC- Forest Ecosystem

Subject matter-

Collect information on the flora and fauna of a forest ecosystem . Write in detail and draw diagrams or paste pictures related to the following:

- The different producers and consumers in the forest ecosystem.
- The decomposers found in the forest ecosystem.
- The abiotic factors in the forest ecosystem.

THE END