



GIRLS' HIGH SCHOOL & COLLEGE

SESSION:2021-2022

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

FINALS

NOTE: Please clearly mention your Name, Class/ Section and Admission No. on the projects

SUBJECT-PHYSICS PROJECT

INSTRUCTIONS: Parents are expected to ensure that the students refer to their Physics book or the Internet to write this project This project should be done in approximately 10 - 20 pages in an Assignment copy. Paste relevant pictures or draw neat labelled diagrams.

TOPIC : STATIC ELECTRICITY

Sub-topics:

1. Define static electricity.
2. Explain methods of charging a conductor:
 - Charging by friction
 - Charging by conduction
 - Charging by induction
3. Describe the construction of a gold leaf electroscope and give its uses.

SUBJECT:CHEMISTRY PROJECT

INSTRUCTIONS:

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:

Allotropes of carbon

Subtopics:

1. Crystalline and amorphous forms of carbon.
2. Physical and chemical properties of allotropes of carbon.
3. Uses of allotropes of carbon.

SUBJECT-BIOLOGY PROJECT

INSTRUCTIONS: Parents are expected to ensure that the students refer to their Biology book or the Internet to write this project. This project should be done in approximately 8- 10 pages in an Assignment copy. Paste relevant pictures or draw neat labelled diagrams.

TOPIC: CIRCULATORY SYSTEM

Collect information on the external and internal structure of heart in detail and write about the following-

1. Structure of heart
2. Blood vessels associated with the heart
3. Any three diseases caused due to the malfunctioning of the heart-(list their symptoms and causes)
4. Ways to keep the heart healthy

SUBJECT-MATHEMATICS 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.

- Topics:**
1. Factorization
 2. Linear Equations in one variable

Solve the following:

1. Factorise:

- a. $3x^5y - 27x^4y^2 + 12x^3y^3$
- b. $(a^2 - b^2)c + (b^2 - c^2)a$
- c. $1 - 25(a + b)^2$
- d. $7b^2 - 8b + 1$
- e. $x^2 - y^2 - 2x + 2y$

2. Solve:

- a. Five less than 3 times a number is -20. Find the number.
- b. Separate 178 into two parts so that the first part is 8 less than twice the second part.
- c. The length of a rectangle is twice its width. If its perimeter is 54 cm, find its length.
- d. The sum of three consecutive odd numbers is 57. Find the numbers.
- e. The difference of two numbers is 3 and the difference of their square is 69. Find the numbers.

SUBJECT-HISTORY PROJECT

TOPIC – THE GREAT UPRISING OF 1857

INSTRUCTION-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.

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

(Pages 4-14) Heading: Causes of the Great Uprising

(Political, Economic, Military and Immediate Causes), Leader (Mangel Pandey) and Reasons behind the Failure of the Uprising.

(Pages 15-16) Conclusion and Bibliography.

SUBJECT-GEOGRAPHY PROJECT

TOPIC – INDIA- FLORA AND FAUNA

INSTRUCTION-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 left side of the page related to the matter

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

(Pages 4-14) Heading: Flora (Tropical rainforests, Tropical deciduous forests, Desert vegetation, Tidal forests and Alpine vegetation) Importance of forest, Fauna (National park, Wildlife sanctuary and Biosphere reserves).

(Pages 15-16) Conclusion and Bibliography.

SUBJECT-ENGLISH LANGUAGE

TOPIC: ADVERTISEMENT, DIARY WRITING

INSTRUCTIONS: Parents, please ensure that the student uses internet, and English language book (Active English Grammar and Composition) for completing the project. Plain sheet of any kind can be used for advertisement (as big as an art sheet) and use proper A4 size sheet enclosed in a file for diary writing.

Q1. Write an advertisement for a new mobile phone you are going to launch soon. Write about its attractive features. Give a catchy name. (Word limit- 50 words)

An advertisement is a kind of public notice asking for or offering services or buying and selling property, goods etc.

Sample:

SPARKLE TOOTHPASTE®

Everyday it will keep the Dentist Away

Prevent from

- Cavities
- Bad breath
- Gum Infections
- Discolouration



*Let your smile sparkle and shine
with healthy teeth in no time*

Also available in Cinnamon, Mint and Citrus flavours.
*Marketed by Procter & Gamble

AND

Q2. How did you celebrate your last birthday during the lockdown. Record your feelings in your diary in not more 80 words.

THE END