

D.A.V. CENTENARY PUBLIC SCHOOL, PASCHIM ENCLAVE, NEW DELHI-87
SUMMER BREAK HOLIDAYS HOME WORK (2015-16)
CLASS- X

TOPIC – ‘FROM DARKNESS TO LIGHT’ : The Journey of the Bulb

General Instructions:

1. All tasks should be done in one A-4 size Project File.
2. Use A-4 size coloured pastel sheets, a different colour for each subject:

English : White	Science: Yellow	Hindi: Blue
Maths: Green	Social Science: Pink	Sanskrit: Orange

ENGLISH (White A-4 size pastel sheets)

1. Pen down your thoughts about the journey of a bulb from darkness to light, in a beautiful poem. The poem should be self-composed.
2. Project on LONG READIG TEXT - ‘Diary of a Young Girl’
 - a. Character analysis
Write the character sketches of the following:
 - i. Anne frank
 - ii. Mr. Otto Frank
 - iii. Mrs. Frank
 - iv. Margot Frank
 - v. Peter van Dann
 - vi. Mr. and Mrs. Van Dann
 - b. Anne and her family members had to seek accommodation in the secret annexe. Discuss the reasons.
 - c. Describe the role played by Anne’s Diary in her life.
 - d. Many Difficulties were faced by the residents in the secret annexe. Elaborate.

Discuss the character traits of Anne Frank that you like or dislike. Give reasons also.

MATHEMATICS (Green A-4 size pastel sheets)

- Task 1. Count number of connections of light bulbs and tubes in your house.
- Task 2. Obtain their total wattage.
- Task 3. Find for how much time they are being used per day for a period of 15 days.
- Task 4. Calculate the average number of units consumed per day for the above said period.
- Task 5. Calculate the electricity bill for the period of 15 days using the total units consumed by the light sources.
- Task 6. Now estimate the change in Electricity bill if the bulbs and tubes are replaced by –
(i) CFL (ii) LED
- Task 7. Represent the day-wise consumption of units by each type of light source (for 15 days) in tabular form and then by a bar graph.

SOCIAL SCIENCE (Pink A-4 size pastel sheets)

‘Crude Oil will be finished by 2050’

Prepare a detailed report on ‘Alternative bio-diesel resources’. Biodiesel is a domestically produced renewable fuel that can be manufactured from: oils from plants & seeds, naturally occurring methane gas, chemicals derived from sugarcane, grass, Bio-Energy from Biomass, such as landfills or animal waste are used to produce energy. Biodiesel physical properties are similar to the petrol diesel, but it a clean alternative resource.

Following essentials are required to be fulfilled for its preparation.

- The project report will be handwritten and credit will be awarded to original drawings , illustrations
- The project will be developed in following format:
 - Coverpage showing title , student info.
 - Project overview : Purpose, aim
 - Summary and conclusion.

SCIENCE (Yellow A-4 size pastel sheets)

1. Prepare PowerPoint presentation on journey of light through civilizations. (from producing spark by striking flint stone to LEDs)

2. Collect information on use of lasers in the below mentioned areas or area of your own choice: (any two)

Laser (stimulated Emission)—revolutionizing health Care industry. (Heart surgery , Plastic surgery , dermatology)
Treatment of Malignant tissue.

Hindi (Blue A-4 size pastel sheets)

- जैसीसंगतिबैठिए, तैसोईफलदीन’ विषय पर अनुच्छेद लिखें ।
- बस संवाहक / परिचालक के अशोभनीय व्यवहार की शिकायतकरतेहुए दिल्ली परिवहन निगम के महाप्रबंधकको पत्र लिखें ।
- प्रकाश के संसाधन: तबऔरअब (तुलनात्मक अध्ययन) पर परियोजना तैयार कीजिए।

Sanskrit (Orange A-4 size pastel sheets)

- कार्यपरियोजना-पंचदशदिनानांसमाचारलेखनं (चित्र सहितं)
- त्रयाणांकवीनाम् जीवन परिचयः (पंच-षट् वाक्येषु) (स्क्रैप पुस्तकेउपर्युक्त-कार्यं भवितव्यम्)