



Holidays Homework

CLASS X



The background of the entire page is a collage of stylized, cartoonish faces of various ethnicities, ages, and genders. Some faces are upside down, some are right-side up, and they are arranged in a dense, overlapping pattern. The colors used for the faces and hair are diverse, including shades of brown, black, red, orange, and blue.

THEME -

Population

Density

SDG - 17



Dear Students

*With summer holidays around the corner,
our hearts swell up with a spectrum of
emotions.*

*To maintain the educational continuum and
to keep in view the rejuvenation you need,
an enriching homework for the holidays is
designed to keep you constructively busy
and put boredom at bay. Continue to read
e-newspaper everyday and don't forget to
complete your notebooks and assignment of
the syllabus covered during April and May.*

Hope to see you soon.





ENGLISH

1. Report Writing on Population Explosion
(Integrated project)

2. Represent timeline of World War 2
and its impact of Germans specifically
Anne Frank.

(Use pictures and write
description about events)





MATH

1. To find (survey) out population frequency of your locality (neighbourhood) of at least ten families. Collect all the data and represent graphically through bar graphs.

2. Verify the conditions of consistency / inconsistency for a pair of linear equations in two variables by graphically method.





S.SCIENCE

Instructions: Make use of scrap book or coloured sheet and present a creative work.

1) Collect the newspaper cuttings of forest and wildlife in India and prepare the observation table based on the Rare, Endangered, Extinct animals etc. Roll no. (1 to 15)

2) Make a Pictograph album of Flora, Fauna and Birds. Roll no. (16 to 30)





3) On a scrap book show different aspects of life in which women are discriminated in India.

Roll no. (31 to 45)

4) A) Map Activity: On a physical map of India, show

i) The areas of water scarcity.

ii) Major Dams, Rivers and Lakes.

B) Enlist the ways in which water is wasted, ways to conserve water, brief introduction to Inter-state water dispute, ways in which people can be made aware to conserve water. Roll no.



(46 to 55)



HINDI

1. जनसंख्या विस्फोट - एक समस्या विषय पर निबंध लिखिए ।
2. जनसंख्या विस्फोट का स्वास्थ्य पर क्या प्रभाव पड़ेगा दो सहेलियों के बीच में संवाद लगभग 50 शब्दों में लिखिए ।
3. जनसंख्या पर रोक लगाने हेतु एक विज्ञापन तैयार कीजिए ।
4. जनसंख्या वृद्धि के दुष्परिणाम पर अपने मित्र को पत्र लिखिए ।





* पाठ्यपुस्तक *

• पाठ्य पुस्तक स्पर्श से पाठ -; डायरी का एक पन्ना ; ध्यानपूर्वक पढ़े और इस आधार पर स्थानों ,

व्यक्तियों व घटनाओं आदि पर आधारित क्विज़ (प्रश्नोत्तरी :- 10 - 20 प्रश्न) का निर्माण करें ।

कहाँ करें :- A - 4 रंगीन शीट में

कैसे करें :- एक शब्द / एक वाक्य में आने वाले उत्तर



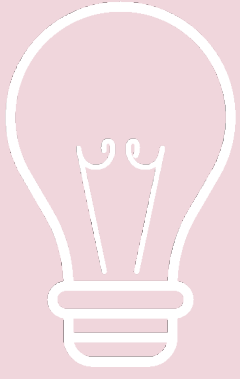


SCIENCE BIOLOGY

1. To study the population density and frequency of human population of your locality by quadrant method. Prepare a file work with correct information and data. Give the details in tabular form

2. Find out the deprivation level of 4-5 houses in your locality. Find out the number of people who are healthy, sick, malnourished, obese. Categorise them into male, female and children. Give reasons for the starvation of population. List out possible ways by which it can be improved. Name the schemes launched by government to safeguard and decrease health related issues in people.





SCIENCE PHYSICS

As the demand for energy has increased, so has the number of alternatives for its production.

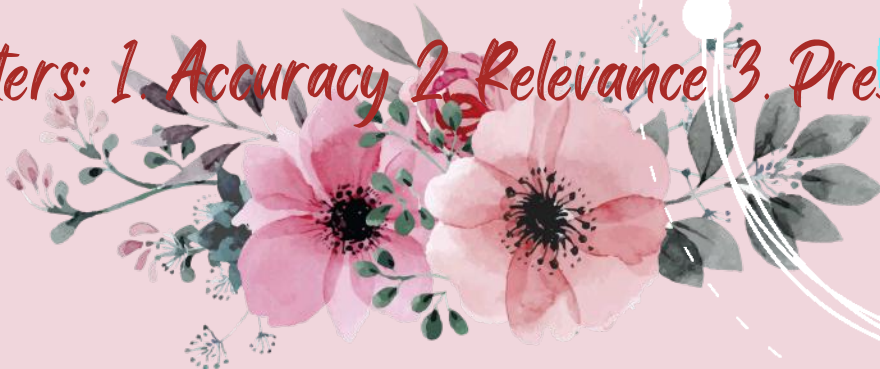
One such alternative is a biogas plant.

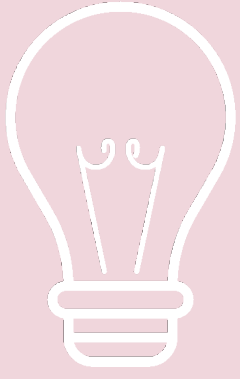
What to do:

- 1. Explore and find out how many the biogas plants located in different parts of India and find out the percentage of population using biogas plant.*
- 2. Research out the various raw materials used, and the components used in setting up a biogas plant.*
- 3. Study the cost of setting up the plant.*
- 4. List down the benefits of using biogas plants. (prepare 400-500 words report on the topic)*

Where to do: A4 size sheets

Parameters: 1. Accuracy 2. Relevance 3. Presentation





SCIENCE PHYSICS

1. Write mirror formula for spherical mirror. A concave mirror produces three times magnified

(enlarged) real image of an object placed at 10cm in front of it.

Where is the image located?

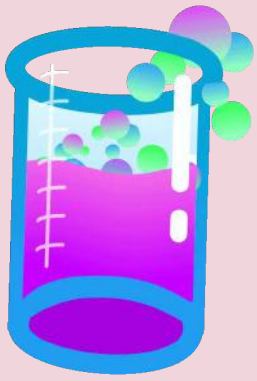
2. The magnification produced by a plane mirror is +1. What does this mean?

3. Why do we prefer a convex mirror as a rear-view mirror in vehicles?

4. An object is placed at infinity from a convex mirror of focal length 30 cm. Find the position and nature of the image.

5. Name the type of mirror used in the following situations. (a) Headlights of a car (b) Side/rear-view mirror of a vehicle (c) Solar furnace





SCIENCE CHEMISTRY

Show that Aluminum is an active metal by experimenting on it.

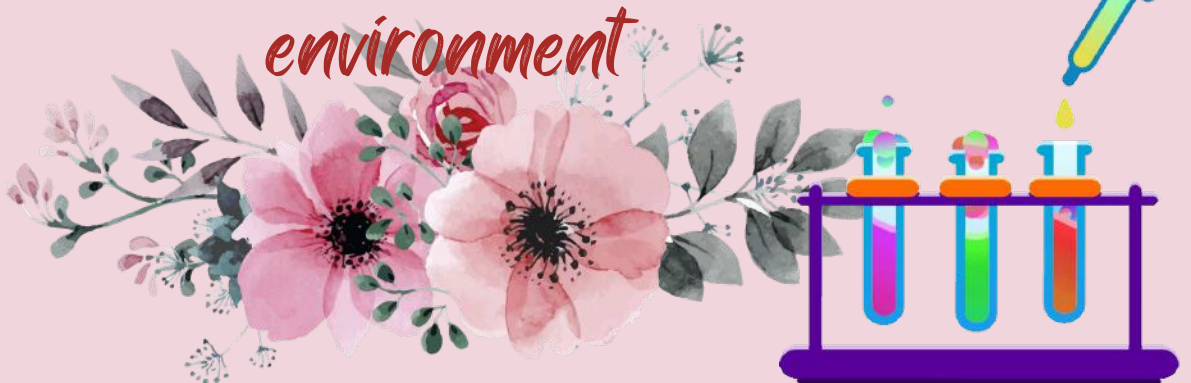
What to do: a) watch videos reference.

b) Perform two activities based on the video with aluminum foil and click photograph while doing so.

c) Note down the observations.

Where to do : On a 4 size sheet write your views, paste photographs showcasing the usage of Aluminum

Foil also write about its role in creating pollution in the environment





SCIENCE CHEMISTRY

- Define the following chemical reactions and give one example of each: a) Displacement reaction b) Precipitation reaction
- Identify the oxidising and reducing agent in the following reactions: $\text{CuO} + \text{H}_2 \rightarrow \text{Cu} + \text{H}_2\text{O}$
- On heating blue colour powder of copper (II) nitrate in a boiling tube, copper oxide (black), oxygen gas and a brown gas X is formed: i) Identify the brown gas X evolved. ii) Name the type of reaction. iii) Write a balanced chemical equation for it.
- A small amount of quick lime is added to water in a beaker. a) Name the type of reaction. b) State two observations that you will make in this reaction.
- Write the differences between combination and decomposition reaction giving examples of each.





COMPUTER

Create a story in scratch depicting effect of population explosion on environment.





ATHLETICS

1. History of Athletics
2. Classification of Athletics.
3. Track events.
4. Field events.
5. Long jump ground.
6. Do exercise and yoga atleast 20 min.at home to stay fit and healthy.





Make a scrap book of
Population density cartoons
and comic strips





MUSIC

Write a brief biography of
Bharat Ratna Lata Mangeshkar
and write any five songs of Lata
Mangeshkar

