



Bal Bharati
PUBLIC SCHOOL
PITAMPURA

Class VIII

GENERAL GUIDELINES FOR THE HOLIDAY HOMEWORK PROJECT



The theme for your Holiday Homework is '**Gender Dynamics Around Us**'.



Weekly assignments based on the theme will be shared. The homework must be uploaded on MS Teams.



A Flipbook should be created in the last week containing all the work. The contents of the flipbook are mentioned below.



Read the English Supplementary Reader '**Kidnapped**' as it will be tested in the Periodic Test-1 examination. (The whole book)



CONTENTS OF MY FLIPBOOK

Cover Page - Made aesthetically indicating the name, roll number, class and section and session. (2022-23)

Index Page - Indicating the homework of all the weeks, organised subject-wise.

Subject-wise work of all the weeks. (Add pictures where required)

Tasks mentioned in the General Guidelines

Picture Gallery - Indicating pictures as evidence for general tasks.

Newspaper Activity (Positive News)- 'Did I Know It?'

Bibliography

Certificate Page

Do not forget to mention page numbers on your project!

HOLIDAY HOMEWORK

CLASS VIII – 2022-23

WEEK 4

Social Science:

Task 1-

Empowering women through Technology (Aligned with SDG 5)

Look for a woman around you (it can be your house-help, your grandmother, your mother) who is not very well versed with technology. Help them access any one aspect of technology that is relevant to them (like- internet surfing, writing an email, using YouTube, etc.)

Prepare a report in not more than 2 pages with the following parameters-

1. What did you teach them?
2. How long did they take to learn it?
3. Did they feel empowered after learning it? And how?
4. How was your experience?
5. A small interview.
6. Include a few photographs of the process.

Task 2 (Case Study) -

“Global wind and solar growth on track to meet climate targets”



USE OF RENEWABLE ENERGY SOURCES RISES

Global wind and solar growth on track to meet climate targets

Reuters

PARIS : Solar and wind power can grow enough to limit global warming to 1.5° Celsius if the 10-year average compound growth rate of 20% can be maintained to 2030, independent climate think tank Ember said in a report on Wednesday.

Solar generation rose 23% globally in 2021, while wind supply gained 14% over the same period. Together, both renewable sources accounted for 10.3% of total global electricity generation, up 1% from 2020, data from Ember showed.

The Netherlands, Australia and Vietnam had the fastest growth rates for the renewable sources, switching around 10% of their electricity demand from fossil fuels to wind and solar in the last two years, they said.

"If these trends can be replicated globally, and sustained, the power sector would be on track for 1.5 degree goal," Ember said in their report.

The main issue currently slowing the growth rate is on-the-ground constraints like permitting, and if governments want to supercharge growth they need to solve problems slowing deployment, Ember's global lead Dave Jones said.

However, despite gains in wind and solar, coal-fired power generation saw its fastest growth since at

least 1985, up 9% in 2021 at 10,042 terawatt hours (TWh), or 59% of the total demand rise, the report said.

This came in a year of rapid demand recovery, as 2021 saw the largest recorded annual increase of 1,414 TWh in global electricity demand in 2021, up 5.4% and the equivalent of adding a new India to global demand, they said.

"We're getting closer to that breakeven where wind and solar can cover new electricity demand, but we are still not quite there. If we maintain those growth rates we see, we will be there shortly," Jones said.

The biggest demand rise was recorded in China, up 13% in 2021 compared to pre-pandemic levels in 2019, the data showed.

The country relies largely on coal for power production, but passed the one-tenth of power generation from wind and solar landmark for the first time in 2021 along with six other countries, the report said.

China "is installing not only record levels of wind and solar, but also installing record levels of clean electricity like hydro, nuclear and bioenergy which means their coal generation will start falling," Jones said.

"What's not clear is how quickly that will be," he added.

China plans to continue to use coal as a vital part of its energy strategy, as it bids to balance economic stability with its longer-term climate goals.

ACTIVITY I: Reading Comprehension

Answer the following questions -

1. How are renewable resources different from non-renewable resources?
2. What is renewable energy?
3. How renewable energy resources like solar and wind energy limit global warming?
4. Which countries have shown the fastest growth rate in renewable resources?
5. Why is there a need to replace fossil fuels with renewable energy resources to power our cities?

ACTIVITY II

Give one word for the following:

1. Inexhaustible energy resource that uses hot magma to generate electricity.
2. Careful use of resources to reduce damage to the environment through methods such as composting and recycling materials.
3. Fossil fuel formed from marine organisms that is often found in folded rock layers and is used for cooking and heating.
4. Energy from the Sun that is clean, inexhaustible and can be transformed into electricity.
5. A resource that remains in constant supply and will never run out.

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Holiday Homework 2022-23
CLASS VIII - ENGLISH
Week 4

A) Read the following sentences and then write what each one suggests. Making such guesses based on the available information is called inferring or deducing.

(e.g., A student Y always says rude things about X teacher. This suggests that the teacher might have scolded her and hurt her once OR Y had scored low marks in the subject the teacher teaches.)

1) Avinashi's hair always look the same length.

2) Manu is always worried about his marks.

3) Rajesh is always the last one to get on the bus. He does not come late to the bus stop though.

4) The school receptionist was cheerful at 9.00 am but irritable at 1.30 pm.

B) Read the given passage carefully and answer the questions that follow.

Mary had liked to look at her mother from a distance because she was pretty and knew very little of her. Now that she was gone, she did not miss her at all. She was just worried about her own self, and merely wondered who would take care of her. Would they be nice people who would let her do whatever she wanted, just like her ayah and the rest of the servants?

The men who found Mary took her to an English priest's house. She didn't at all like staying there. The priest had five children who were shabby and noisy. They were always quarrelling or snatching things away from each other. Mary hated this and refused to play with any of them. She hated them even more when one of the boys named Basil began to tease her. It didn't occur to her that they seem rude only because she was so ...

1. State whether the given statements are true or false. You must give a valid reason for your choice.

a. Mary was a selfish girl.

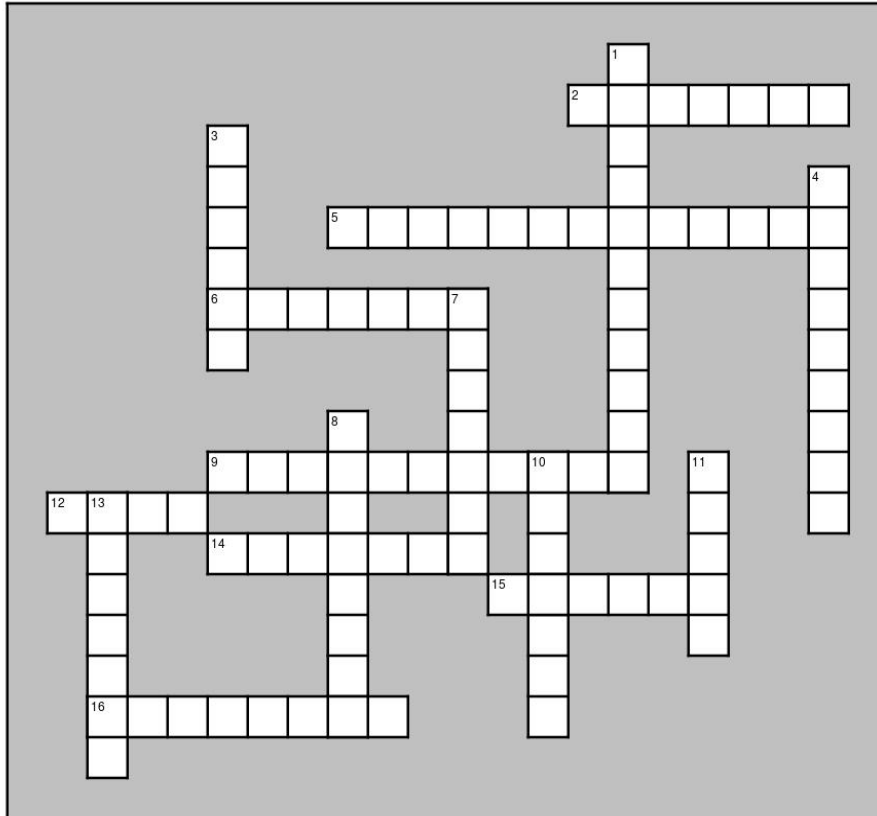
b. Mary was grateful to the priest's family.

2. Complete the last sentence of the passage by thinking of a suitable end.

3. Crossword Puzzle-

Cross word puzzle: Investigations

Solve the crossword using the list of words and the clues.



infer
observe
examine
revealed
inconceivable
aspects
link
detective
inquisitive
inspect
conclude
inquiry
analyze
mental
deduce
investigate

Across

2. a question
5. unimaginable
6. to examine all the parts of something in order to understand it
9. to look into a situation (often a crime, but it can also be a mystery)
12. a connection; one part of a chain
14. to notice or watch
15. to figure out something unknown by considering all its known aspects and reasoning it through
16. to consider the evidence and then decide what is true or correct (OR to end something)

Down

1. curious; wants to understand things
3. related to the mind
4. a person whose job is to find or recognize the hidden information needed to solve a crime
7. to look closely at something
8. shown or made known
10. different sides or ways of looking at something
11. to make a logical guess that something is true based on the evidence, although the evidence is not clear enough to be absolutely certain
13. to look at something carefully to find problems or specific information



Class- VIII- HW

MATHEMATICS (WEEK 4)

Q- For a class party, Vihaan volunteers to make cookies, Rehan volunteers for 10 sandwiches, Aarav volunteers to make 15 burgers and Arjun volunteers to bake a cake for his class so that each child gets $\frac{1}{30}$ th part of the cake, one-half of a burger and one-third of each sandwich. There are 30 students in their class.

- A) Find the sum of fractions of each snack a child gets.
- B) If half burgers have been distributed to 20 girls in the class, how many burgers are left?
- C) Multiply additive inverse of $\frac{1}{30}$ with reciprocal of 20. Is the answer obtained a positive or negative rational number?

Q- Simplify

- a) $\frac{1}{3} + \frac{-2}{5} - \frac{3}{6}$
- b) $\frac{4}{-15}$ divided by 2.

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