

## HOLIDAY HOMEWORK :CLASS VIII (2025-26)



### Theme: Shine with solar

#### English

Read an article, news article, or watch a documentary about solar energy. Then, write a paragraph summarizing what you learned and share your opinion on how you can contribute to using solar power in your daily life.

Create a mini flipbook where each page showcases a different poetic device.

- Page 1: Name of the device
- Page 2: Your own example (a line or two)
- Page 3: A drawing or symbol to represent it
- Do this for at least 4 poetic devices.

#### Chapter: The Fun They Had

##### Task:

Imagine you are living in the year 2157, just like Margie and Tommy. Compare your current school life with the futuristic school life described in the story.

##### Instructions:

Prepare a creative project (in the form of a chart, scrapbook page) including the following:

1. A brief summary of the story in your own words
2. Comparison between present-day schools and future schools (you may use a table or illustrations)
3. Your personal opinion: Would you like to study in a future school like Margie's? Why or why not?
4. Add drawings, pictures, or cutouts to make your project visually appealing.

Word Limit: 150–200 words (for the written part)

हिंदी-

#### 1- कहानी लिखें -

एक छोटे से गाँव या शहर की कहानी लिखें, जहाँ लोग सौर ऊर्जा का उपयोग करके अपनी

दिनचर्या को सरल और सस्ता बनाते हैं। कहानी में किसी पात्र के द्वारा सौर उर्जा का प्रयोग शुरू करने के बाद उसकी जिन्दगी में आए बदलाव को दिखाएँ।

सुझाव

(कहानी में आप उर्जा की बचत, और जलवायु परिवर्तन पर सौर उर्जा के प्रभाव को शामिल कर सकते हैं। इसे और रोचक बनाने के लिए कुछ चित्र या डायग्राम भी बना सकते हैं या चित्र एकत्रित कर चिपका सकते हैं जो सौर पैनल या सूरज की किरणों को दर्शाता हो।)

२. निम्नलिखित बिन्दुओं के आधार पर एक परियोजना तैयार करें -

शीर्षक - 'सिक्किम - एक सुंदर राज्य'

१- सिक्किम का परिचय

(राजधानी, भाषा, क्षेत्रफल, जनसंख्या)

२- चित्र और नक्शा

(राज्य का रंगीन नक्शा बनाएं, प्रमुख स्थल चित्र सहित दिखाएँ)

३ सिक्किम की संस्कृति

(परम्पराएं, त्यौहार जैसे लोसार, दशाई, भुमचू आदि)

४- निष्कर्ष और आपकी राय

(सिक्किम आपको क्यों पसंद आया ?

आपने क्या सीखा ?)



३. अकबर-बीरबल या कृष्णदेव-तेनालीरामा के किसी एक मजेदार किस्से को संवाद रूप में लिखिए।

[नोट-उपरोक्त कार्य ए-४ साइज शीट पर करें]

नैतिक शिक्षा - १- अपने प्रेरणा स्रोत किसी महापुरुष की जीवनी पर आधारित किसी एक घटना का वर्णन चित्र सहित अपने शब्दों में लिखिए।  
(चित्र सहित, ए-४ साइज शीट पर)

२ हवन में प्रयुक्त आवश्यक वस्तुओं की सूची चित्र सहित बनाएं तथा प्रार्थना मन्त्र (आठ में से कोई चार) ए-४ साइज शीट पर लिखिए।



### Social Science:

- 1) Design a model of a household device that runs on solar energy. What makes it eco-friendly?
- 2) Choose one programme launched by the government for the upliftment of the weaker sections and design one brochure explaining
  - a) Objective
  - b) who are beneficiaries
  - c) how to apply
  - d) Real impact
- 3) Make a poster on 'Fight against drug Abuse'.
- 4) Forest Flip Book: 'A Journey Through Forests'

What to Do : Create a small booklet with 4–5 pages.

On each page show a type of forest: Tropical, Mediterranean, Temperate softwood

**Include:** A drawing/sketch of forest landscape, One animal and tree species and state two interesting facts . **Add** colorful borders and **label** each clearly

### 5) Picture Sequencing (Comic Style)

#### Topic: Establishment of Company Rule

Draw 4–6 boxes showing events like:

- a. Arrival of East India Company
- b. Trade with Indian rulers
- c. Battle of Plassey
- d. Expansion of control
- e. Revolt of 1857
- f. End of Company rule

Simple drawings with stick figures and speech bubble

### SCIENCE :

1. Prepare an article on various renewable sources of energy like solar, wind, tidal and geothermal energy along with their great environmental impact and usage in following countries.

Sweden , Iceland , United Kingdom

2. Research about following endangered species of animals and mention the area in India where they are conserved along with relevant pictures

• Number of sheets to be used : 5-7

• Endangered species :


- a. Black Buck
- b. Kashmiri Red Stag
- c. Snow leopard
- d. One Horned Rhinoceros

3. Include a photocopy of your "vaccination chart" and prepare a report on diseases for which you have taken a vaccine. Write about the age, name of vaccine and date on which you have taken a vaccine.



Example of vaccination chart is given below:

**Assessment using the 4-Step Process**



**Step 1: Read**  
Read the problem carefully.  
• What are you asked to find or solve?  
• What information do you have?  
• What are you given?

**Step 2: Plan**  
How do you know what to do?  
• Think about the problem.  
• What strategy will you use?  
• What steps will you take?

**Step 3: Solve**  
Solve the problem.  
• Show your work.  
• Check your answer.

**Step 4: Reflect**  
Reflect on your solution.  
• Did you solve the problem?  
• How did you solve it?  
• What did you learn?

**Grand Summary**

*By: [Signature] Date: 20/10/2024*

## MATHS :



A solar panel is a device that converts sunlight into electricity. It's essentially a collection of solar cells, usually made from silicon, assembled together to generate a larger amount of electricity.

**Solar Panel Area Estimation:** A solar panel has an area of 144 square metres. What is the side length of the panel if it is square-shaped?

(Hint: Use the square root of the area.)

### 2. Solar Farm Layout Design

a) If each solar panel occupies a square area of  $4 \text{ m}^2$  and you want to install 25 panels. What is the total area needed for the entire farm?

b) If the total area of the solar farm is  $100 \text{ m}^2$ , what is the side length of the square field required to fit all the panels?

**3. Power Output with Square Roots:** Suppose a  $9 \text{ m}^2$  solar panel generates 270 watts of power. How much area would be required to generate 1080 watts of power, assuming output scales proportionally?

A mathematician is someone who uses an extensive knowledge of mathematics in their work, typically to solve mathematical problems. Research and make a project on the life



history of any one Indian Mathematician and his/her contribution in the field of mathematics. It should include following points:

1. Name
2. Time and Place
3. Work and achievements
4. Prepare for your presentation in the class.

**Note: Use A4 size sheets to write your answer with pictures.**

**Worksheet : Chapter- Direct and Inverse Variation**

- Q1. If  $x$  and  $y$  vary inversely and  $x = 25$  and  $y = 3$ . Find  $y$ , when  $x = 15$ .
- Q2. If  $x$  and  $y$  vary directly with each other and  $x = 24$ , what is  $y$  when the constant of variation is 3?
- Q3. The cost of 3 kg sugar is ₹ 105. What will be the cost of 15 kg of sugar?
- Q4. If the weight of five sheets of paper is 20g, how many sheets of the same paper would weigh 2.5 kg?
- Q5. A dealer finds that 48 refined oil cans can be packed in eight cartons of the same size. How many such cartons will he require to pack 216 cans?
- Q6. If 15 men can repair a road in 24 days, then how long will it take nine men to repair the same road?
- Q7. A contractor with a workforce of 420 men can complete a work of construction of a building in nine months. Due to a request by the owners he was asked to complete the job in seven months. How many extra men must he employ to complete the job?
- Q8. A garrison of 120 men has provision for 30 days. At the end of 5 days, five more men joined them. How many days can they sustain on the remaining provision?
- Q9. A train 350 metres long crosses an electric pole in 28 seconds. Find the speed of the train in km/hr.
- Q10. A train 280 metres long is running at a speed of 42 km/hr. How much time will it take to pass a man standing on a platform?

गितपय : सस्कत

1. कौन-कौन से श्लोक हम प्ररणा दन का काय करत ह, अथ सहत लखए।
  2. निम्नलखत शब्दों क शब्दरुप का निमण कर- तत, किम (तीनों लगी म) अस्मद्, यष्मद्
  3. कायकलाप:- वदों म सयदव (ः) क मत्रों म कस दवता को सबस अधक सय स सम्बधत वताया गया ह? और क्यों? वस्तार स बताए।
- नोट:- सभी विद्याथ ग्रीष्मकालीन अवकाश काय को ए-4 शीट पर करग।