



GREEN FIELDS SCHOOL

Summer Holiday Homework Class VIII (Session 2022-23)

7 AFFORDABLE AND
CLEAN ENERGY



Dear parents,

Warm greetings!

We wish the well-being and good health of all GFS members especially in these times. I know all are looking for summer vacations from Friday, May 22 till July 22. School reopens on

1. Have at least one meal together with your children. Teach them the importance of farmers and not to waste food.
2. Let them wash their plates after every meal. Children learn dignity of labour.
3. Allow them to help you in cooking and other chores.
4. Visit the grandparents and let them bond with them. Their love and emotional support is very important for them.
5. Take lots of pictures with their family.
6. Take them to your workplace and let them understand you work very hard to support them.
7. Let's engage them meaningfully. Share stories about your childhood and family history.

M.Khanna

Principal

Instructions:

1. Make an interleaf scrapbook and do all the interdisciplinary projects of each subject in that only (THEME- SDG-7 Clean and Affordable Energy)
2. Do rest of the Holiday Home work in Red Assignment Copy.
3. Revise for PT-1

English

- Design a book cover and write a book review (A4 size sheet) of any of the following stories:
The Blue Umbrella by Ruskin Bond
Animal Farm by George Orwell
The Little Prince by Antoine de Saint-Exupery
- Select any medium of advertisement and one product. Promote the chosen product using the selected medium of advertisement and write a catchy slogan/jingle/ story and draw pictures for it. (A4 size sheet)



INTERDISCIPLINARY PROJECT

- Make a comic strip promoting alternative sources of energy- include dialogues suggesting the alternative sources of energy and why Generation 'Z' needs them in the scrapbook.

Hindi

- निम्नलिखित पर विज्ञापन की रचना कीजिए -

*किसी एक उत्पाद पर जो पर्यावरण एवं स्वास्थ्य की दृष्टि से अन्य उत्पादों से बेहतर हो। जैसे हर्बल चाय, लस्सी, जूट के थैले, बांस की डलिया आदि। (A3 sheet पर)

अथवा

* सकारात्मक संदेश देती हुई स्वरचित सचित्र कहानी लिखें जिससे लोग जीवन के महत्व एवं उसकी सुंदरता को समझ सकें और उससे प्रेरणा ले सकें। जैसे - जीवन में ईमानदारी का महत्व, समाज सेवा, जीवन की कठिनाइयों का धैर्य पूर्वक सामना करना आदि। (A3 sheet पर)

*लाल कॉपी में सुंदर लिखावट में 10 सुलेख लिखिए।

* अभिभावकों की सहायता से साप्ताहिक सुलेख लिखकर त्रुटियों का सुधार कार्य कीजिए।

*'देशभक्ति' पर स्वरचित कविता लिखकर कंठस्थ कीजिए

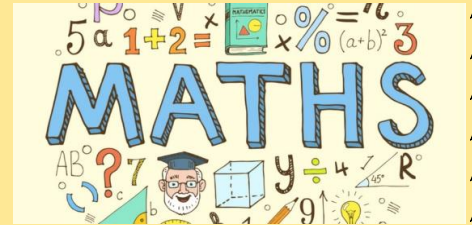


Interdisciplinary

विद्युत संरक्षण के वैकल्पिक स्रोतों के बारे में बताइए जैसे सौर ऊर्जा, पवन ऊर्जा आदि। उनमें से किसी एक पर अपने विचार विस्तार में प्रकट करते हुए चित्र सहित जानकारी दीजिए। (A3 sheet पर)

Maths

- Complete the mental maths worksheets of chapter-1 Rational Numbers from page no 5-12 in the mental maths book.
- Complete the mental maths worksheets of chapter-2 Squares and square roots from page no 20-26 in the mental maths book.
- Learn squares of numbers upto 25.



Interdisciplinary

We all use different electric appliances to meet our daily needs.

- Now as an activity, let us see how much electricity we consume on a daily basis.
- So firstly, complete the table given below, the first row has already been filled as an example. Paste the table in your math assignment (red) copy.
- After completing the table, take note of how much electricity is consumed by each household appliance. In your assignment copy then, write suggestions on how to reduce this consumption.
- Represent this information on a bar graph (by taking cost per day on Y-axis and household consumption on X-axis. Paste graph sheet in the assignment copy.
- Write which appliance's electricity expenditure cost was maximum?

Human need	Household appliance	a) Power needed (Watts)	b) Hours used per day (hours)	c) Energy used per day, kWh (a x b)	d) Cost per kWh	e) Cost per day (c x d)	f) Cost per month (e x 30)(in rupees)
To see in the evening to cook etc	Light	28 watts	6hours	$28 \times 6=0.17$ (approx)	₹4	$0.17 \times 4 =0.68$	$0.68 \times 30=₹ 20.4$
Clean water	Electric motor/water pump	X	A	M	P	L	E
Fresh food	Fridge						
Contact	Phone						
Healthy temperature	Fan/ac						
TOTAL							

Science

- Make a list of rechargeable and one-use battery electronics in your home. Stick pictures in the Red copy.
- Solar tech is the proposed alternate source of energy. Enlist the areas where it is already being used and where all it can be used. Support with pictures in the Red copy.
- Model making: Any working model using only eco-friendly material:
Roll no. 1-20: Chemical effects of electric current OR Modern farming techniques.
Roll no 21- 40: Uses of mirrors & lenses OR Elements & Compounds.



Interdisciplinary

- Compare the working efficiency, cost & environmental impact of cars run by petrol, diesel, CNG & electric motors. Enlist the reasons for a shift in mode of fuels used. Stick pictures to support your project.
Refer to Ch-8 Combustion & fossil fuels.

Social Science

- Find out about **any one** sports person who made India Proud in the past and contributed towards the growth of Cultural Nationalism-
Major Dhyhan Chand (Hockey)
Milkha Singh (Athletics)
Mary Kom (Boxing)
Deepa Malik (Para- Athlete).
Write about their contributions in their sport and paste relevant photos in an A4 sheet.
- Learn States, Union Territories & Their Capital and Mark in India Political Map in Red Assignment copy.



Interdisciplinary

- In the wake of the recent coal deficit in most of the thermal power plants in India, suggest solutions to this crisis, that using alternative power sources can be an answer and also suggest methods by which power usage can be reduced at an individual level.

Write an article, keeping in mind the above situation, stressing upon the importance of non-conventional energy sources and ways by which one can switch to alternatives methods at home. Paste relevant photos supporting your article in your inter disciplinary file.

Sanskrit

- शब्दरूप - धेनु, राजन्, आत्मन्, नामन्, वाक्, सरित् ।
- धातुरूप - अस्, कृ, भू, पठ्, दा, वद्, स्मृ, लिख् ।
- श्रीमद्भगवद्गीतायाः A4 SIZE SHEET इत्यस्य उपरि सचित्रं पंच श्लोकान् लिखत स्मरत च।



Interdisciplinary

- सौर-ऊर्जायाः स्रोत-क्रमं एकस्मिन् स्फोरकपत्रे (Chart Paper) सचित्रं निर्मायताम् अपि च दश संस्कृत-वाक्यानि लिख्यताम्।



French

- Complète L-3 Cahier d'exercices. (in workbooks)
- Décrivez votre journée typique (40-50 mots) (in notebooks).

Interdisciplinary

- Écrivez un slogan en français basé sur la conservation de l'énergie. (in notebook)

Computer

In computer practical file do the following:

- Topic- AI in everyday life. Write 10 points and paste pictures.
- What are the different types of topologies? Write (any two) advantages and disadvantages along with a diagram.



Interdisciplinary

- Create a ppt explaining why to use clean energy and how to use it.

Yoga

Do these yogic exercises every day for 5-10 minutes daily:

- Practice Surya namaskar regularly 5 rounds
- Practice Anulom Vilom Pranayam
- Do Kapalbhathi
- Practice Bhramari Pranayam



Meal planning

- Write Hindi and English names of spices and pulses in Meal Planning File. Also stick pictures of the same.
- Prepare a chart of a food pyramid.



Art

- Topic: Best out of Waste- Prepare a hanging (not very small) using a plastic bottle or cardboard or any waste materials and decorate nicely.



General Knowledge

- Prepare a brochure for Taiwan- collect pictures and information related to its National Flag, map of Taiwan, traditional dress, festivals, food and places of tourist attraction.
Paste photos relevant photos. Use A3 Sheet to prepare the Brochure.



Needle Work

- Take a square piece of cloth 6' x 6' and learn to do hemming on all the 4 sides. Also learn to button stitch on the same handkerchief.



USE ENERGY RIGHT, MAKE FUTURE BRIGHT.

