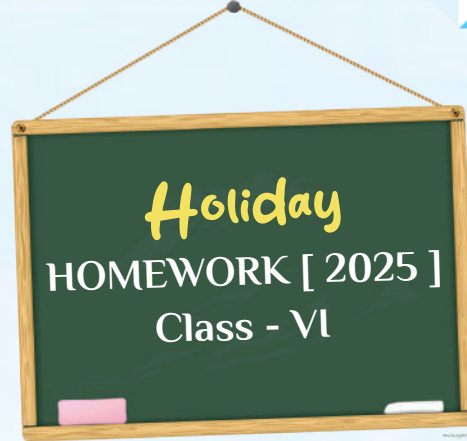


HOLIDAY Homework





Dear Students

Summer holidays provide an excellent and well-deserved opportunity to relax and rejuvenate while keeping ourselves intellectually stimulated with some fun-filled and thought-provoking activities. The best way to truly refresh oneself and also enhance one's emotional, happiness, spiritual and intellectual quotients, is by engaging in the following activities: -

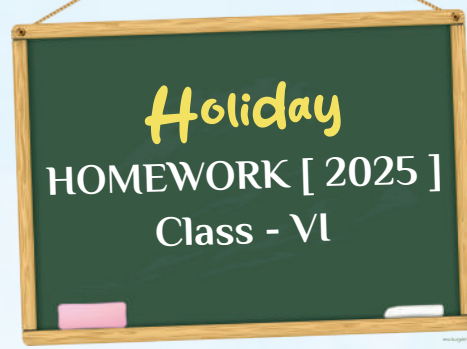
1. Spend quality time with your family e.g. playing games, visiting places and doing activities together like painting, dancing, singing, cooking etc.
2. Participate in the household chores.
3. Spend time with nature, observe and appreciate the beauty of nature around you. Nature walks, reading under a shady tree, gardening, keeping your surroundings clean and proper waste disposal are just a few ways.
4. Exercise regularly and play outdoor games, not just on screens
5. Meditate and do Yoga regularly.
6. Learn any one new skill
7. Eat well and stay healthy. Enjoy the seasonal and local foods of places you visit. In addition, maintain the momentum and rigour that has been built in the learning through the last few weeks. Plan out, revise the syllabus already done and complete the holiday homework as creatively as possible.

Your holiday homework is designed for you to experience the joy of learning while helping you enhance the 21st century life skills as responsible world citizens. It is recommended that you do the homework on your own using assistance only when required. Make use of the materials and resources already available at home.

General Instructions

1. Do all your homework as per the instructions
2. Parents are requested to only guide their children while doing the homework.
3. Originality of the work will be appreciated.
4. Homework will be assessed on the basis of neatness, creativity and originality of ideas
5. If children have created PowerPoint presentations in any subject, they will present their ideas in the classroom.
6. Children have to do the written part of the homework on the A4 sheets (ruled or plain) and follow the instructions given in the questions.
7. Make one folder and keep all the A4 sheets in it.





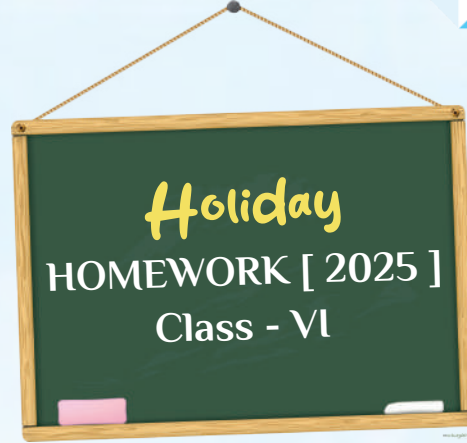
SUBJECT - ENGLISH

Activity

1. Write a short paragraph in your own word, explaining what sustainable living means.
2. Make a colorful poster on "Save Earth, Live Green".
-Include the 3R's in the slogan(Reduce, Reuse, Recycle) or "Be Earth Smart".
3. Use the online shopping paper bag and show your creativity in decorating it.

विषय -हिंदी

1. अपने दादा- दादी पास कम संसाधनों में कुछ दिन गाँव में अच्छा जीवन बिताकर आएँ तथा वहाँ बिताए गए पलों का अनुभव अपनी भाषा में अनुच्छेद के रूप में लिखिए।
2. पहाड़ों पर ज्यादातर सौर ऊर्जा से बिजली का निर्माण किया जाता है। किसी एक जगह की सुंदरता के बारे में मुहावरों और लोकोक्तियों का प्रयोग करते हुए कहानी लिखिए।
3. कम वाहन खरीदें तथा चलाएँ। छोटी दूरी के लिए पैदल चलें या साइकिल का प्रयोग करें। सौर ऊर्जा से चलने वाले वाहनों का प्रयोग करें। इन सभी कार्यों से सतत और टिकाऊ जीवन जिया जा सकता है। इस तरह के कुछ और तरीके बताएँ तथा चित्रों सहित प्रदर्शित करते हुए एक लेख लिखें एवं ग्रीष्मावकाश के पश्चात वाद - विवाद हेतु उसे आत्मसात करें।



SUBJECT: MATHEMATICS

Water Conservation

1. During a 5-minute regular shower, how much water is typically consumed if the flow rate is 10 liters per minute?
2. A water-saving showerhead uses 5 liters every minute. What is the total water usage for a 10-minute shower?

Energy Efficiency

3. If a 60-watt bulb remains on for 8 hours, what is the total energy usage in a day?
4. How much energy does a refrigerator consume daily if it operates 24 hours at a rate of 150 watts per hour?

Waste Reduction

5. A recycling container has a capacity of 50 kg. How long will it take to fill if 20 kg of paper is added weekly?
6. A family recycles 3 kg of plastic every week. Estimate the total plastic recycled over 4 weeks.

Sustainable Transportation

7. A vehicle covers 15 kilometers per liter. How many liters are needed for a 300-kilometer journey?
8. At a speed of 20 km/h, how far can a bicycle travel in 2 hours?

Eco-Friendly Habits

9. If using a reusable bottle saves ₹5 per week, what is the total saving over a year (52 weeks), considering the bottle costs ₹10?
10. A student packs lunch in a reusable container daily. If school runs for 200 days a year, how many single-use packages are avoided?

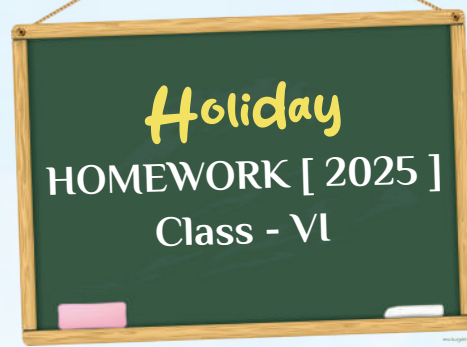
Natural Resource Awareness

11. One tree absorbs 20 kg of CO₂ annually. What is the yearly CO₂ absorption of a 100-tree forest?
12. A 1000-liter water tank is used at the rate of 100 liters per day. How many days will the tank last?
13. In a school with 500 students, each recycling 2 kg of paper monthly, how much paper is recycled in total per month?

Case Study:

Reducing Energy Consumption in a School. A school aims to reduce its energy consumption by 20% by implementing energy-efficient measures. The school currently uses 10,000 kWh of electricity per month, and the electricity bill is ₹15,000.





Calculate the target energy consumption and the amount of money the school will save if they achieve their goal.

(i) What is the current energy consumption of the school?

(a) 8000kWh/month (b) 9000kWh/month (c) 10000kWh/month (d) 11000kWh/month

(ii) What is the target energy consumption if the school reduces its energy consumption by 20%?

(a) 8000kWh/month (b) 9000kWh/month (c) 10000kWh/month (d) 11000kWh/month

(iii) What is the current energy saving of the school?

(a) 4000kWh/month (b) 3000kWh/month (c) 2000kWh/month (d) 1000kWh/month

(iv) How much money will the school save if they achieve their goal?

(a) ₹500/month (b) ₹1500/month (c) ₹2200/month (d) ₹3000/month

SUBJECT- SCIENCE

Activity -Baby Steps Toward Sustainability

Create a PowerPoint presentation on "My Steps towards Sustainable Living."

Perform and present 5 activities that promote sustainability and reduce waste. Some suggested activities are:

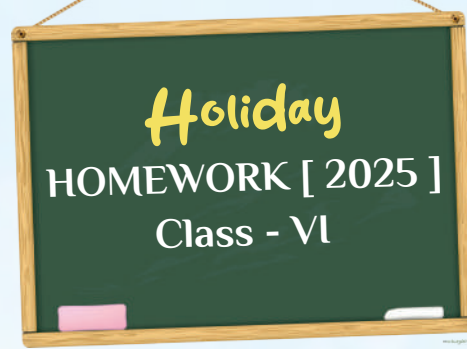
- ✓ Conserving energy and water
- ✓ Reusing water
- ✓ Using cloth bags
- ✓ Segregating dry and wet waste
- ✓ Planting saplings
- ✓ Reducing paper usage
- ✓ Using public transport/cycling
- ✓ Reusing various items
- ✓ Avoiding single-use plastics
- ✓ Making Best out of waste

Guidelines:

1. Choose any 5 activities that interest you
2. Include **your own pictures** while doing the activity
3. Write a brief description of each activity
4. Explain how each activity contributes to sustainability
5. Keep it concise and easy to read

Submission:

Submit your Presentation limiting it to 6 - 8 slides and present in the class with speaking duration of 1.5 minutes.



SUBJECT - SOCIAL SCIENCE

Activity Title: "Voices for a Better World – Sustainable Development Goals Talk Show"

The Sustainable Development Goals (SDGs) are a set of 17 global goals adopted by the United Nations in 2015 as part of the 2030 Agenda for Sustainable Development.

These goals aim to end poverty, protect the planet, and ensure peace and prosperity for all by 2030.

Activity Format:

1. Role-play and Speech Presentation

Instructions for Students:

- Pick an SDG (Sustainable Development Goals).
Each student (or pair/group, depending on class size) will choose one SDG from the list of 17 SDG's given below:

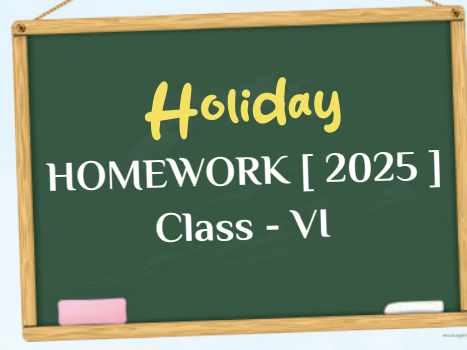
List of 17 Sustainable Development Goals (SDGs):

1. No Poverty – End poverty in all its forms everywhere.
2. Zero Hunger – End hunger, achieve food security, and promote sustainable agriculture.
3. Good Health and Well-being – Ensure healthy lives and promote well-being for all.
4. Quality Education – Ensure inclusive and equitable quality education for all.
5. Gender Equality – Achieve gender equality and empower all women and girls.
6. Clean Water and Sanitation – Ensure availability and sustainable management of water and sanitation.
7. Affordable and Clean Energy – Ensure access to affordable, reliable, and sustainable energy.
8. Decent Work and Economic Growth – Promote inclusive and sustainable economic growth and employment.
9. Industry, Innovation, and Infrastructure – Build resilient infrastructure and promote innovation.
10. Reduced Inequalities – Reduce inequality within and among countries.
11. Sustainable Cities and Communities – Make cities inclusive, safe, and sustainable.
12. Responsible Consumption and Production – Ensure sustainable consumption and production patterns.
13. Climate Action – Take urgent action to combat climate change and its impacts.
14. Life Below Water – Conserve and sustainably use oceans, seas, and marine resources.
15. Life on Land – Protect, restore, and promote sustainable use of terrestrial ecosystems.
16. Peace, Justice, and Strong Institutions – Promote peaceful and inclusive societies.
17. Partnerships for the Goals – Strengthen global partnerships to support sustainable development.

2. Prepare a 1–2-minute Speech or Skit:

You will present the goal in a creative and simple way by answering these key questions:

- What is your SDG about?
- Why is it important for the world?
- What small actions can children take to help achieve this goal?
- Share an example (real or imaginary) of someone making a positive difference.



3. Presentation Style (Choose One):

- As a News Reporter: Report on a real or imaginary news story related to your SDG.
- As the SDG Itself: Pretend you *are* the goal and explain your importance to the world.
- Mini Skit or Dialogue: Act out a short scene (solo or with a partner) showing the impact of the goal.
- Poster Presentation (Digital or Physical): Create a visual aid and explain it briefly.

4. **Time Limit:** 1–2 minutes per student/group.

5. Materials Required:

- Use digital slides/posters if possible (Canva, Google Slides, etc.)
- Simple costumes or props are welcome but optional.
- Avoid excessive paper use—think digital and reusable!

विषय: – संस्कृतम्

वृक्षाणां विभिन्नानां भागानां नामानि संस्कृते चित्रैः सह कुरुत ।

SUBJECT-FRENCH

Activity

Trouvez 10 mots avec le sens basé sur la vie durable et formulez des phrases en utilisant chaque mot.

SUBJECT-GERMAN

Activity

Finde 10 Wörter, die eine Bedeutung im Zusammenhang mit nachhaltigem Leben haben, und formuliere Sätze mit jedem Wort.

