



ARMY PUBLIC SCHOOL SHANKAR VIHAR
HOLIDAY HOMEWORK
CLASS : VIII

Project based learning : Shrinking footprints

Dear Parents

The Holiday assignment 2021 is designed in such a way to enhance self-learning. There is no task which requires material to be purchased or detailed research work. The idea is to keep children occupied gainfully. The children will be uploading the work as an assignment on TEAMS. Please use this time to connect and form bonds. Health and Family are paramount.

Please take good care and STAY SAFE.

ENGLISH:

Let your creativity flow : Design a book cover for your favourite book/story-draw and colour it on a A4 size paper/sheet. Children who wish to design a digital poster may do so. The book cover should be original. Some suggested themes/genres are-

- Science fiction
- Supernatural/Horror
- Humour/Comedy
- Adventure/Mystery

2. Let's Rock! - Write a poem/song/Rap on the excessive use of technology by us.

OR

Write a monologue on the current situation (pandemic) - 'Mann ki Baat'!

3. Try to motivate your family to reduce their carbon footprints by using less of technology. Every little effort will be worth it.

Write any two interesting anecdotes from your everyday life during the summer holidays where you find your family trying to reduce their digital presence in around 80-100 words in your English notebook. You may illustrate these incidents if you wish to.

HINDI

निर्देश :-

- निम्नलिखित कार्यपत्रक में दिए गए सभी प्रश्न अनिवार्य हैं | लिखावट सुन्दर और स्पष्ट होनी चाहिए | सभी छात्र यह कार्य अपनी हिंदी उत्तरपुस्तिका में कीजिए |
- दिए गए दिशा-निर्देशों के अनुरूप ही पीपीटी एवं वीडियो निर्माण कार्य दिए गए पैडलेट लिंक पर अपलोड कीजिए |

1)	<p>शीर्षक- हस्तशिल्प-कला कार्य :-</p> <ul style="list-style-type: none"> ● घर की अनुपयोगी वस्तुओं से कोई एक आकर्षक व उपयोगी वस्तु का निर्माण कीजिए । (जैसे- चूड़ियों से पेन स्टैंड का निर्माण या कोई भी सजावट का सामान आदि) । ● साथ ही इसके बनाने की प्रक्रिया व उसकी सामग्री का सचित्र वर्णन अपनी हिन्दी कॉपी में लिखिए । इसके उपरांत उस वस्तु विशेष पर एक स्वरचित काल्पनिक कहानी अपनी हिन्दी कॉपी में लिखकर, उसका एक उचित शीर्षक दीजिए । व उसकी उपयोगिता का वर्णन कीजिए। ● इसके उपरांत उस लिखित कहानी का वाचन रोचात्मक ढंग से एक वीडियो द्वारा कीजिए । → वीडियो की रिकॉर्डिंग हेतु आवश्यक दिशा-निर्देश :- ❖ वीडियो लैंडस्केप मोड में रिकॉर्ड करें । ❖ वीडियो की रिकॉर्डिंग करते समय विषय के अनुरूप ही वॉलपेपर्स (आकर्षक चित्र), स्पष्ट आवाज़ आदि का ध्यान रखकर ही रिकॉर्डिंग करें । ❖ अपने अभिनय पर केंद्रित अर्थात ज़ूम करके ही वीडियो का निर्माण करें । ❖ 3-4 मिनट की वीडियो में ही इसका प्रस्तुतीकरण करें । एवं दिए गए पैडलेट लिंक पर अपना एक वीडियो व लिखित कहानी चित्रसहित अपलोड कीजिए- <p>https://padlet.com/shuklaneha005/ta3223ou40atw6s2</p>
2)	<p>निम्नलिखित अधूरी लघु कहानी को उचित शीर्षक देते हुए 100-120 शब्दों में पूरा कीजिए :-</p> <ul style="list-style-type: none"> ❖ सभी छात्र कहानी लेखन हेतु कुछ आवश्यक दिशा-निर्देशों का पालन करें । अपनी हिन्दी उत्तरपुस्तिका में सुंदर लिखावट के साथ कहानी को लिखेंगे :- <ol style="list-style-type: none"> 1) कहानी रोचक व जिज्ञासायुक्त होनी चाहिए । 2) कहानी में कुछ तुकांत पंक्तियों का प्रयोग कीजिए । 3) कहानी में कम-से-कम 2-3 मुहावरों का प्रयोग कीजिए । 4) अंत में कहानी का संदेश अवश्य लिखे । <hr/> <p>“सुधीर, ममता, रोहित तीनों दोस्त बहुत खुश थे । क्योंकि एक वर्ष बाद आज इनका परिवार साथ में सुधीर के गाँव वार्षिक उत्सव में जानेवाला था । आज सभी के चेहरे रेलगाड़ी की राह तकते-तकते खिलखिला उठते थे । परंतु इनमें से एक ममता थी, जो अपने प्रिय पशु-पक्षी से मिलने की ख्वाइश में फूले नहीं समा रही थी । इन बच्चों में सबसे आलसी रोहित था । वह अपना सामान स्वयं नहीं उठाता था । और केवल आइसक्रीम गर्मी के कारण बार-बार खाना चाहता था । परंतु इनके परिवारों के मन की हालत अलग थी ।-----”</p>
3)	<p>निम्नलिखित कोष्ठक में दिए गए शब्दों से, रिक्त स्थानों की पूर्ति विशेषण शब्दों से कीजिए एवं उसके भेद का नाम भी अपनी हिन्दी उत्तरपुस्तिका में सुंदर लिखावट के साथ लिखिए :-</p> <div style="border: 1px solid black; padding: 10px; text-align: center; margin: 10px auto; width: 80%;"> <p>दो किलोमीटर, इस, कुछ, कई, पुरानी, यह, सच्चा, थोड़ा</p> </div> <ol style="list-style-type: none"> 1) महक ने कहा कि _____ पोशाक उसे बहुत पसंद है । 2) _____ इमारत टूट गई । 3) माँ ने _____ अनाज मंदिर में भिजवाया ।

	<p>4) पुजारी जी को _____ घी दे दीजिए ।</p> <p>5) इब्राहिम गार्दि _____ देशभक्त था ।</p> <p>6) सिर्फ _____ का रास्ता ही रह गया है ।</p> <p>7) कल आँधी में _____ पेड़ उखड़ गए ।</p> <p>8) _____ विद्यार्थी ने समय का पालन किया, तभी आज वह एक सफल खिलाड़ी है ।</p>
4)	<p>अपने घर की वस्तुओं को देखिए और उनमें संज्ञा शब्दों की पहचान कर, 10 'व्यक्तिवाचक संज्ञा शब्द', 10 'जातिवाचक संज्ञा शब्द' एवं 10 'भाववाचक संज्ञा' शब्दों की सूची का निर्माण कर, अपनी हिन्दी उत्तरपुस्तिका में लिखिए । एवं उन संज्ञा शब्दों से एक-एक वाक्य निर्माण भी कीजिए ।</p>

MATHEMATICS:

GLOBAL ECOLOGY FOOTPRINT CALCULATOR

STEP 1: You have to click on the link

<https://www.footprintcalculator.org/exploreData>

STEP 2: Search the following countries mentioned below:

Algeria, South Africa, Indonesia, Kazakhstan, Mali, Norway, Thailand, Oman, Chile, Venezuela

STEP 3: Answer the following questions:

- a) Find the **Biocapacity per person, Ecological Footprint per person** and **BIOCAPACITY RESERVE(+)/DEFICIT (-)** in the year 1989?

S no	Country	Biocapacity per person	Ecological Footprint per person	BIOCAPACITY RESERVE(+)/DEFICIT(-)
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

b. Find the ecological footprint per person in the 2009?

S no	Country	Ecological Footprint per person	BIOCAPACITY RESERVE(+)/ DEFICIT(-)
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

- How many times does Biocapacity Reserve/ Deficit is Zero? Write the year in which it is zero?
- In which year Ecological footprint per person is maximum and minimum?
- Is Biocapacity reserve/ deficit negative? Why is it negative? Mention the year?
- Find the population and GDP per person of the country?
- Name the continent in which country belongs?
- Write your observation on the data collected?
- Take the screenshot and Paste the graph of each country.

SCIENCE:

ACTIVITY 1: COMPOSTING – NATURE'S DISAPPEARING ACT

Perform an experiment recycling compostable material by making compost in a bottle. Watch the video for guidance.

<https://youtu.be/BfP7370R444>

MATERIALS REQUIRED:

- 2-liter bottle, cut in half so the bottom half can serve as a stand to hold the top half turned upside down
- 3 cups soil; garden soil works best; avoid using potting soil because it does not have all of the organisms and bacteria that help with decomposition.
- $\frac{3}{4}$ cup water
- 1 sheet paper, torn into small pieces; recycled paper or newspaper works.
- 2 spinach or coriander leaves, torn into small pieces.
- 1 banana peel sliced or diced into small pieces.

- 2-3 plastic food containers, such as yogurt cups; cut into small pieces about ½ inch squares.
- rubber or latex gloves, one pair
- 2 spoons or Popsicle sticks

Procedure

- Place the top portion of the 2-liter bottle upside down in the cut off bottom half of the bottle. The bottom serves as a stand that helps to keep the model container upright.
- Place 2 of the 3 cups of soil inside the bottle.
- Lightly draw a large X on top of the soil so that you have 4 equal areas outlined in your miniature landfill. Place one "garbage" sample in each section on top of the soil.
- Draw diagrams of your models on your worksheets, labelling what test garbage sample is in what location.
- Sprinkle the remaining soil on top of the "garbage" items.
- Sprinkle ¾ cup water over the landfill. In this model of a landfill, the water simulates rainfall.

Timing Note

- Plan on about 95 minutes total to conduct this activity over five days, with the following breakdown:
- Day 1: 45 minutes to make landfill models
- Day 2: 10 minutes for observations
- Day 3: 15+ minutes for observations
- Day 4: 10 minutes for observations
- Day 5: 15+ minutes for observations and wrap up

WORKSHEET: ATTEMPT IT IN YOUR ACTIVITY NOTEBOOK

- Write your predictions about what will happen to the contents of the bottle and the individual items.
- Will it smell bad? Will it decay? Will things grow in it?
- What will happen to the banana peels, the plastic cups?
- What do we mean by "biodegradable" and "non-biodegradable" items? What are some examples of each?
- What are some things that are required in order for items to biodegrade?
- Why is biodegradation an important part of nature?
- Why is biodegradation an important idea related to solid waste management?
- **CLICK PICTURES OF YOUR DAILY OBSERVATIONS AND PASTE THEM ALONG WITH THE WORK**

Ø ACTIVITY 2: MUSHROOM MAGIC

MATERIALS REQUIRED:

1. Large sized mushroom.
2. A square piece of cardboard covered with orange papers.
3. A glass bowl.

PROCEDURE: Watch the video and make designs using mushrooms which can be bought from the grocery store/vegetable market.

<https://www.youtube.com/watch?v=KRtEllgivHs>

Use your imagination to convert the mushroom prints into beautiful designs

Take a large sized mushroom (as large as possible) Cut off its stalk. Place it gently, face down on a cardboard covered with orange paper. Do not exert pressure on the mushroom and cover it with a glass bowl. Leave it for 3-4 days. Thereafter, remove the glass cover on the mushroom and lift the mushroom carefully. There is an amazing pattern of rings formed by the fine sprinkling of mushroom spores.

SOCIAL SCIENCE:

I. Subject Enrichment Activity: Prepare the case studies of Munda tribes and Baster rebellion.

(For Reference HISTORY CH -4 Tribals, Dikus and the vision of a Golden Age)

Instructions-

1. Prepare a PowerPoint presentation.
2. The first slide should include your Class, Name, Roll No., and Admission No.
3. Following slides should include-Case study of Munda Tribes-

· How did these tribal groups live? (The activities they were involved in like Hunting and gathering, herding, Jhum/ settled cultivation).

· How did colonial rule affect the tribal lives?

· Impact of forest laws on their ways of living.

· What were the problems they faced with the coming traders and moneylender?

Case study of Bastar Rebellion-

· Where is Bastar located in the contemporary Map of India?

· What are the other names of the Bastar Rebellion?

· What were the reasons for the Rebellion?

· Name some of the tribal leaders of Bastar Rebellion

4. Show your creativity by incorporating pictures.
5. The PPT should be a minimum of 8 Slides.

II. Portfolio Activity- The following activity is in continuation with the pledge taken to **Create awareness for protecting the environment.**

The students will work on a basic data collection of their own use of various energy resources at home and will represent the data as a bar graph .The data will be analyzed and further and students will reach their individual conclusions.

A. Learners will do a survey and prepare a form/ questionnaire including four questions-

1. <u>No. of vehicles owned by family.</u>
2. <u>No. Rooms.</u>
3. <u>No. of Geysers, Television, Refrigerator, Air-conditioners and fans.</u>
4. <u>No. of family members.</u>

B. Once you have completed the worksheet, the students will create a bar graph of their results. Students will use an A4 size sheet to write down the following details for the further discussion in class.

· <u>Three things their graph tells them.</u>
· <u>Two areas where they are being environmentally responsible.</u>
· <u>One area they could change to decrease their carbon footprint.</u>

SANSKRIT-

सभी प्रश्न अनिवार्य हैं । छात्र प्रश्नों के उत्तर क्रम से लिखें ।

प्रश्न- 1. गद्यांशं पठित्वा उत्तराणि ददातु (गद्यांश को पढ़कर उत्तर दीजिए)

मेघनादः अवदत् “यथाहं कथयामि तथा कुरुतम्। मक्षिके! प्रथमं त्वं मध्याहने तस्य गजस्य कर्णे शब्दं कुरु , येन सः नयने निमील्य स्थास्यति । तदा काष्ठकूटः चञ्च्वा तस्य नयने स्फोटयति । एवं सः गजः अन्धः भविष्यति । तृषार्तः सः जलाशयं गमिष्यति । मार्गं महान् गर्तः अस्ति ।

तस्यान्तिके अहं स्थास्यामि शब्दं च करिष्यामि

(क) तृषार्तः कः जलाशयं गमिष्यति?

(ख) गर्तस्य अन्ते कः शब्दः करिष्यति?

(ग) 'कथयामि' शब्दे कः लकारः पुरुषश्च?

प्रश्न 2. संस्कृतेन अनुवादं कुरुत (संस्कृत में अनुवाद कीजिए) -

यह मेरा विद्यालय है । वह बालक को पढाता है । मुझे आम पसंद है । गंगा से हिमालय निकलती है ।
। आपका घर कहाँ पर है ? मछलियाँ जल में तैरती हैं ।

प्रश्न 3. निम्नसंख्यानां संस्कृतशब्दाः लिखन्तु । निम्न अंको के लिए संस्कृत शब्द लिखो-

(88) ८८ (85) ८५ (96) ९६ (98) ९८ (100) १००

(79) ७९ (77) ७७

प्रश्न-4. धातुरूपाणि पूरयत । धातुरूप पूरे कीजिए ।

खादति

..... अखादाव

प्रश्न 5. "सुभाषितानि" पाठ में से कोई भी 2 संस्कृत श्लोक को हिन्दी व्याख्या के साथ याद करेंगे ।

COMPUTERS

Q1) Watch video on water computer -

https://www.youtube.com/watch?v=IxXaizglscw&list=PLzotSHDeocWxK6rOLolGhsJwQ8IIKmhhs&index=2&t=874s&ab_channel=SteveMould

Watch video on future of computing -

https://www.youtube.com/watch?v=NIO9F-gl9e4&list=PLzotSHDeocWxZ_Q2Xf9gBd-raTN-mS3Y-&index=1&ab_channel=Seeker

Q2) Experience The magic of AI yourself and once done keep a screenshot of it -

<https://quickdraw.withgoogle.com/>

Q3) Fill in the Quantum Computing case study and also share in the link of screenshot for the Q2 activity in the form - <https://forms.gle/PSMiyYLA9FzzWWjz6>

German

1. Medicine from Kitchen - Referring to Chapter 1, do a small research with your mother/ grandmother/ elder sibling in the kitchen and make a list of spices or herbs (in German) used for treating different ailments at home.
2. You have a stomach-ache and visit a doctor. Write the dialogue conversation between the doctor and yourself in German.