

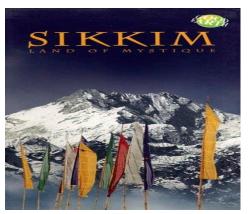
## WINTER HOLIDAY HOMEWORK(2020-21)

## **CLASS VIII**

## **ENGLISH**

**OBJECTIVE:** To help students gain conceptual knowledge and understand the synergy between education and culture underlying Unity in Diversity.

**ACTIVITY I:** J.K Rowling rightly said, "There's always room for a story that can transport people to another place." Research about the culture, tradition and literature of Sikkim and use your creativity and imagination to weave a wonderful story on any topic on the basis of your research. The story should include the following elements: plot, setting, characters (protagonist/antagonist) and illustrations related to Sikkim. It should not exceed 200 words. Write the story and upload on the padlet.



**ACTIVITY II:** Project Covid: You are a wholesale seller of crackers. Write a letter to the Chief Minister expressing how you

are affected by the ban on the sale of crackers, suggesting some measures that can help both you and the government.

**SKILLS DEVELOPED:** Creativity, self-awareness, analytical and critical thinking.

MODE OF SUBMISSION: Google Classroom



- जयशंकर प्रसाद की कहानियाँ) -संख्या (10-6-कहानियों को पढ़कर निम्नलिखित बिंदुओं को व्याकरण रजिस्टर में पूरा कीजिए-
  - (क) जयशंकर प्रसाद की कहानियों की पुस्तक का सुसज्जित पुस्तक-आवरण बनाएँ ।
  - (ख) लेखक के जीवन परिचय से संबंधित तीन ऐसी बातें लिखें जिससे आप सबसे ज्यादा प्रभावित हुए हों ।
  - (ग) आपकी मनपसंद कहानी कौन-सी है और क्यों ? उस कहानी को अपने शब्दों में लिखिए ।
  - (घ) यदि आपको अवसर प्रदान किया जाए तो आप इन कहानियों में से कौन से पात्र का अभिनय करना पसंद करेंगे और क्यों ?
  - (ङ) यदि आप लेखक होते तो 'बेड़ी' कहानी का क्या अंत करते ? लिखिए ।
- 2- हिंदी विषय के फोर्टफोलियों का निर्माण करें जिसके अंतर्गत कार्यपत्रिका, विशेष उपलब्धियाँ, अंतर्सदनीय ,अंतर्विद्यालयीय प्रमाणपत्रों की जानकारी, विद्यालय द्वारा मनाए जा रहे विशेष अवसरों) Importance Days) पर भागीदारी आदि का विवरण प्रस्तुत कीजिए। Mode of submission: Google Classroom



व्याकरण पुस्तक के' संख्यावाचि शब्दाः 'पाठ के आधार पर अपनी कल्पना के अनुसार विद्यालय परिसर के विविध चित्रों का स्लाइड्स पर प्रयोग करते हुए ADOBE सॉफ्टवेयर के अन्तर्गत एक पीÛ पीÛ टीÛ तैयार करें तथा संस्कृत में संख्यावाचक शब्दों का प्रयोग करते हुए पाँच वाक्य भी लिखें।

प्र 02शब्दरूप व धातुरूप उत्तरपुस्तिका में लिखकर याद करें-

शब्दरूप -पितृ, मातृ , राजन्, भवत् ,इदम्

धातुरूप -गम्, कथ्, कृ, श्रु ,अस्, भू) लट्, लृट्, लङ्, लोट् ,विधिलिलिङ् लकार में(

प्र 03पठित पाठों का पुनराभ्यास करें व कार्यपत्रिका को उत्तरपुस्तिका में हल करें|

#### <u>अधिगम परिणाम -:</u>

- शब्द निर्माण प्रक्रिया का ज्ञान व शब्द भंडार में वृद्धि।
- संस्कृत लेखन कौशल का विकास|
- भाषा संबंधी व्याकरणिक ज्ञान।
- चिंतन कौशल का विकास|

Mode of Submission: Google Classroom

#### **FRENCH**

Décrivez quelques personnalités françaises et collez leur image dans votre cahier.

Mode of submission : Google Classroom



## **MATHEMATICS**

S. NO.	TOPIC	ACTIVITY		
	FRACTAL SCAVENGER	Activity-1: Explore disc	cover fractal shapes in the	e nature.
1.	HUNT	<b>FRACTAL</b> is a never-ending pattern. Fractals are infinitely complex patterns that are self-similar across different scales. They are created by repeating a simple process over and over in an ongoing feedback loop. A great many patterns in nature are fractal, and just by stepping outside – even in an urban area – you can often find great examples of fractals. Some example of fractal in our surrounding:		
		Fractals in clouds:	Fractals in stone:	Fractals in Nature:
		Explore fractal shapes	in our surrounding a	and prepare an online

		<ul> <li>presentation for it using Microsoft Sway.</li> <li>Points to be taken care in Presentation: <ol> <li>What are fractals?</li> <li>Fractals in our surrounding using at least five examples.</li> <li>Images taken by student using personal camera will be preferred.</li> </ol> </li> </ul>	
2.	FRACTAL CUT OUT CARD	<ul> <li>Activity-1: Prepare a Fractal cut out card using card board.</li> <li>1. Students will make a 3-dimensional fractal cutout card by repeating a simple process of cutting and folding.</li> <li>2. They can turn their cutout into a fractal popup greeting card, decorate it artistically, and share the lessons of fractals with others.</li> <li>3. One fractal cut out card can be seen in the given video: <u>https://youtu.be/4YDHsMUQbVg</u></li> </ul>	
3.	EXEMPLAR PROBLEMS	<i>Solve</i> Unit 7: Algebraic Expression Identities and Factorization.	

#### Mode of submission: Google Classroom

#### **SCIENCE**

1. Complete the worksheets posted on classroom.

Worksheet No. 1 Chapter Microorganism Friends and Foe.

Worksheet No. 2 Chapter some Natural Phenomenon.

2. "An infodemic of misinformation and rumors is spreading more quickly than the current outbreak of Corona Virus." – WHO (World Health Organization)
 Misleading information is sowing fear and confusion in our communities.

Students, let's spread facts, not fear in our fight against the Corona Virus.

This will help educate people, reduce all misinformation and enable everyone to stay healthy and safe.

- 3. Activity Prepare a brief research report on COVID-19 virus outbreak. You may include the following points.
  - Causal organism
  - Origin
  - Mode of Transmission
  - Symptoms
  - Treatment
  - Preventive measures, giving DOs and DON'Ts.
  - •At the end, pen downs a write-up on "Life after COVID-19 Era"

If possible, justify your research report with pictures/ diagrams.

## Mode of submission: Google Classroom

## SOCIAL SCIENCE

Refer to the internet and your Social Science text books and study the topic:

## 'Marginalized groups and social justice'.

Make a project using the following points:

(a)Forms of social inequality -CasteSystem, Untouchability, Adivasis etc(b)How social status affects Economics status?

(c) Social justice and the Indian constitution

(d)Laws to help the marginalized



Prepare a slide share on the given topic. Also include relevant pictures, illustrations and enewspaper clippings to enhance your presentation.

Mode of submission: Google Classroom

## **INFORMATION TECHNOLOGY**

Draw the following vector image in INKSCAPE or any other software using different tools.

**Learning Outcome-** Learning use of drawing tool for creating and editing vector graphics

**Skill** – Increasing their creativity skills by designing an image.

Mode of submission: Google Classroom

## **ARTIFICIAL INTELLIGENCE**

Smart Living- Studying in an AI Enabled Smart School

You have already seen an illustration about visiting an AI enabled hospital in a Smart City. Now, imagine that you are studying in an AI enabled smart school. What will be your experience of studying in such an institution?

- 1. You enter the school and attend the first period(Mathematics)
- 2. Experience in the school canteen during recess

Mode of submission: Google Classroom

## **ATAL TINKERING LAB**

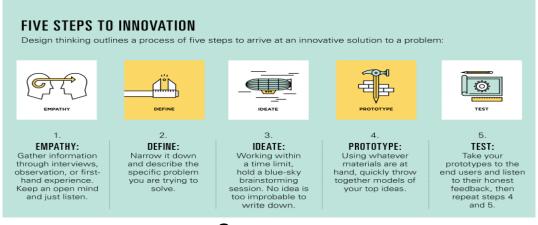
Identify a problem in your society or community around you and propose a solution. The possible solutions can be anything that are economical and easily implementable.



#### 1 - MIX AND FIX - Kabaad Se Jugaad:

Students are supposed to show their skills of reusing the waste material where they can re-use any old item from their household items.

- 2 Using Electronics to solve the problem.
- 3 Design a Game or Application to Solve the problem.
- 4 Robotics as a solution.



Or

## 1 - Wastewater management across Rural/Agri belts and Urban settlements:

There has been a significant decrease in <u>per-capita</u> water supply in the country over the past few years due to the rising speed of urbanization while an estimated 70% of wastewater goes untreated. To ensure water supply availability calls for effective monitoring, utilization, and recycling of wastewater.

Solutions are invited for:

- I. Innovative and low-cost management of <u>greywater</u> at the source.
- II. Detection and prevention of drainage in water bodies.

# 2 - Design a Game or an application to make people aware of Fake News.

**Fake News Detection:** As information gets passed on social media, it becomes difficult to discern its authenticity and may mislead people.

Mode of submission: Google Classroom

#### What is Greywater?

Grevwater





Blackwater

Springs, wells, purified water, city water om Water from rs, toilets or containing dry, harsh chemicals



THE BEST HOLIDAY HOMEWORK WILL GET AN ATTRACTIVE SURPRISE!!!!