



**WINTER HOLIDAY HOMEWORK - 2021-22**  
**CLASS - VI**

**INTERDISCIPLINARY ART INTEGRATED PROJECT**  
**TOPIC: CLIMATE, VEGETATION AND WILDLIFE**

*“The wildlife and its habitat cannot speak, so we must and we will.”*

- Theodore Roosevelt

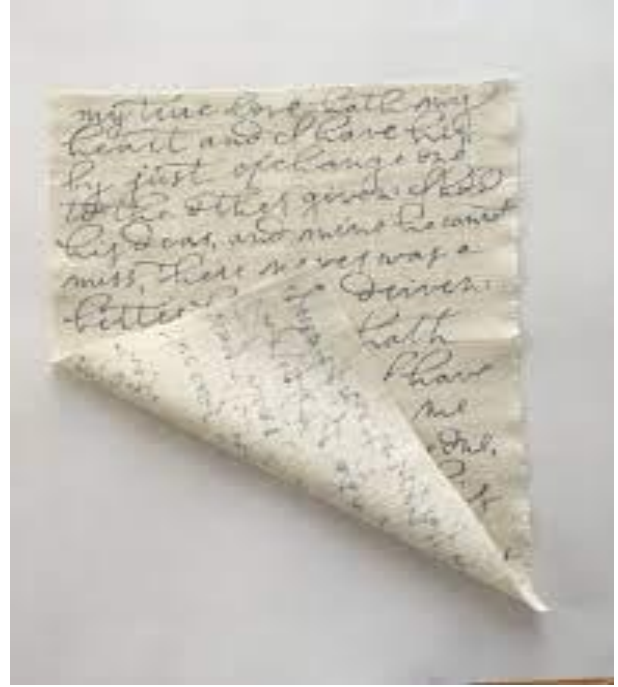
The geographic position of India puts it in a unique situation. Parts of the country fall in both tropical and temperate regions. This results in a vast variety of vegetation, climatic regions, and significant diversity in the wildlife of India.

It is imperative that our young generation is familiarized with various interesting facts about nature and wildlife. In our endeavour to educate our students with intricate details about India's climate, vegetation, flora and fauna, we have curated 'Interdisciplinary Art Integrated' activities for Class VI.



# ENGLISH

**LEARNING OBJECTIVE:** To enable students to appreciate the beauty, rhyme, and style of poem by reading and writing.



The word 'calligraphy' comes from the Greek words *kallos* and *graphos*, meaning "beautiful" and "writing," or "drawing." Calligraphy stimulates neuronal activity, helping us to develop a broader vocabulary and write texts that are more comprehensive. Today, calligraphy refers not only to well-made letter shapes but also to their decorative arrangement.

In order to appreciate poetry as a literary genre and develop the skill of writing students are to write the poem 'There Will Come Soft Rains' by Sara Teasdale on *bukram* using broad pens and brushes.

**Skills Developed:** Creativity, self-awareness, analytical and critical thinking.

**MODE OF HHW SUBMISSION:** Google Classroom

# HINDI

1. **विविध विषयों के साथ एकीकृत कलात्मक गतिविधि : प्राकृतिक संसाधन: हमारी धरोहर**  
अरुणाचल प्रदेश अथवा मेघालय प्रदेश में बाँस द्वारा निर्मित उत्पादों के प्रयोग व प्रचार - प्रसार के लिए आकर्षक विज्ञापन पत्रावली (Scroll) पर बनाएँ।  
**नोट : शीतावकाश के उपरान्त सभागार में प्रस्तुति हेतु कार्य आकर्षक व त्रुटि रहित हो।**
2. आगामी मूल्यांकन हेतु ई पोर्टफोलियो तैयार कीजिए। इसके अंतर्गत कार्यपत्रिकाएँ, विशेष दिवस संबंधी गतिविधियाँ, उपलब्धि सर्टिफिकेट्स व हिंदी विषय से संबंधित जो भी कार्य आपके द्वारा किया गया हो, उसे शामिल किया जा सकता है।
3. प्रार्थना सभा में दिखाए गए किन्हीं छः संस्कृत श्लोकों का अर्थ सहित गायन करते हुए एक वीडियो बनाएँ तथा गूगल क्लासरूम पर अपलोड करें। ( हिंदी अथवा संस्कृत फोल्डर में )

4. वाचन कौशल परीक्षा हेतु अमृत संचय की मुंशी प्रेमचंद द्वारा लिखित 'मंत्र', 'पंच परमेश्वर' 'दूध का दाम' एवं 'परीक्षा' कहानियों का पठन कीजिए। ये कहानियाँ गूगल क्लासरूम पर अपलोड की जाएँगी।

### शिक्षण अधिगम –

- छात्रों में खोज करके सीखने की प्रवृत्ति व चिंतन कौशल का विकास होगा ।
- पठन – पाठन द्वारा विद्यार्थियों में स्वाध्ययन की भावना एवं हिंदी साहित्य के प्रति रूचि विकसित होगी ।

**MODE OF HHW SUBMISSION:** Google Classroom

## MATHEMATICS

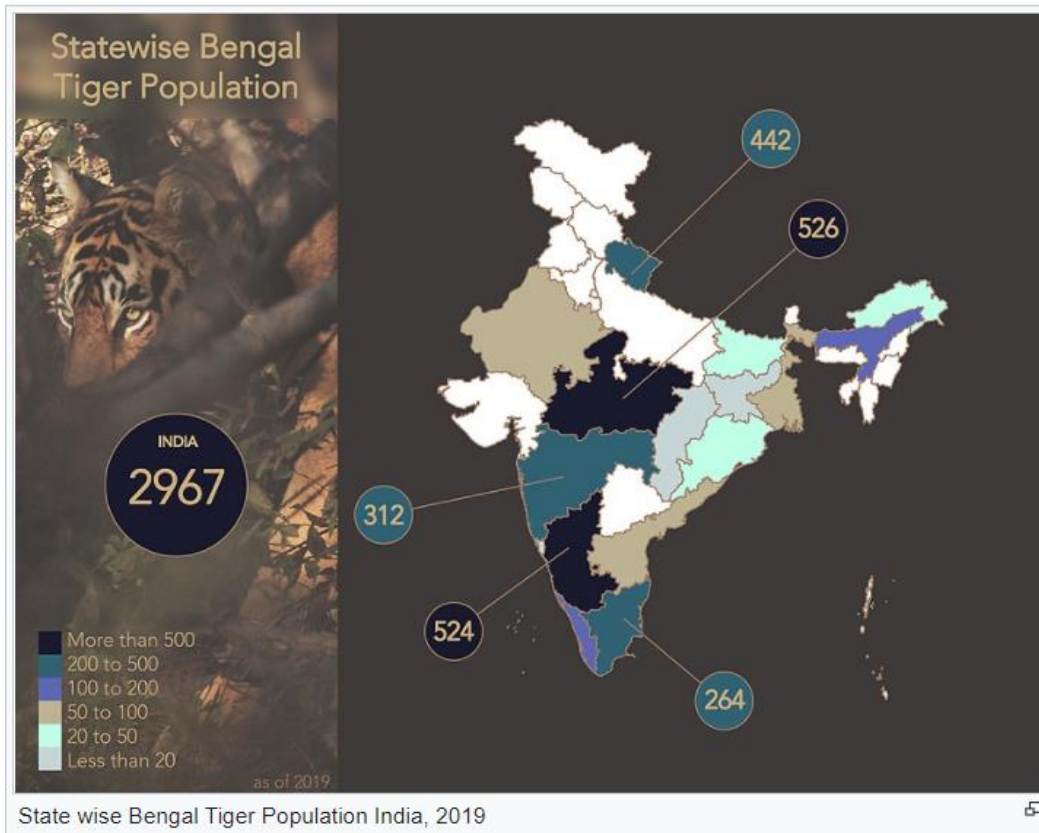
Due to cutting of forests and hunting, several species of wildlife of India are declining rapidly. Many species have already become extinct. In order to protect them many national parks, sanctuaries and biosphere reserves have been set up. The Government has also started Project Tiger and Project Elephant to protect these animals.

**Activity 1:** Given below is region wise distribution of elephant's population in India. Read the given data and plot the percentage of elephant population region wise on a bar graph.

Region-wise Distribution of Corridors

Region	Number of Corridors	Area (km <sup>2</sup> )	Percentage of elephant population
North-East	58	41,000	33%
East	54	23,500	10%
North	8	5,500	4%
South	46	40,000	53%

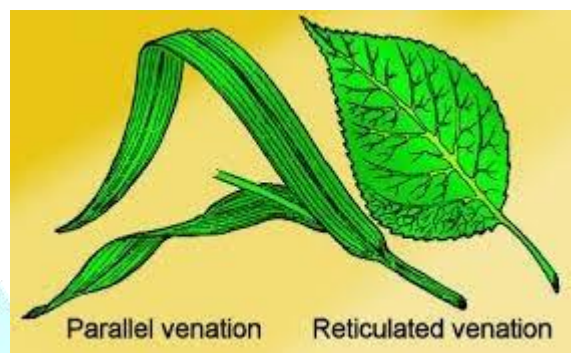
**Activity 2:** The following map shows the state wise Bengal tiger population in India. Divide the states into various regions and represent the approximate number of tigers in each region using a bar graph.



**MODE OF HHW SUBMISSION: Google Classroom**

## SCIENCE

### DESIGNING A HERBARIUM



A. Can you tell what kind of roots a plant has without digging it up? Is it possible to tell this by looking at the venation?

Observe carefully a variety of leaf samples and make a herbarium by compiling pictures of these leaves in a folder .

Write the following information alongside the leaf:

a. Common name of the plant.

- b. Type of venation seen in the leaf.
  - c. Type of root the plant/tree may have.
  - d. Any other interesting feature you notice in that leaf.
- B. In plants like coleus, the green colour of leaves is masked by other pigments, do you think it is still able to photosynthesize? Explain and paste a few more non-green leaves in the Herbarium.



C. Is there any correlation between the cotyledons of seeds and types of venations on the leaves?

**Explore the same and explain briefly.**

**Learning Outcomes:** This activity involves a lot of field work paired with research work, which helps in culminating student's interest in plant life in general and structure and function of leaves in particular. Preparation of herbarium enhances their aesthetic, technical and scientific skills simultaneously. This homework can be done on a scrap notebook.

## SOCIAL SCIENCE

- Students will make a photo album (PPT/ Handmade) on any five species of migratory birds that come to India during winter Season.
- Identify the birds and write down the place they belong from.
- Complete all the assignment of Term 2 in the copy and submit it after the school reopens.



**MODE OF HHW SUBMISSION:** Google Classroom

# SANSKRIT

## 1-विविध विषयों के साथ एकीकृत कला समन्वित गतिविधि-

मेघालय/अरुणाचलप्रदेश/ उत्तर प्रदेश के पशु-पक्षियों के 12 नाम सचित्र संस्कृत और हिन्दी में लिखकर उनसे संबन्धित एक-एक वाक्य संस्कृत में लिखते हुए एक आकर्षक टेबल कैलेंडर का निर्माण करें। (शीतावकाश के पश्चात सभागार में प्रस्तुति हेतु कार्य आकर्षक व त्रुटि रहित हो।)

2- सचित्र अंगों के नाम संस्कृत में लिखें व उनका लिंग भी बताएँ। (PPT बनाकर गूगल क्लासरूम पर अपलोड करें।)  
जैसे- चित्र नाम (संस्कृत में) लिंग



नेत्रे

नपुंसकलिङ्गः

3- सभी छात्र संस्कृत का ई-पोर्टफोलियो पूर्ण करें जिसके अंतर्गत संस्कृत विषय की सभी कार्यपत्रिकाएँ, ई-प्रमाणपत्र (अंतर्विद्यालयीय, अंतर्सदनीय प्रमाण पत्र, अतिरिक्त प्रमाण पत्र, विशेष दिवस) तथा संस्कृत भाषा के प्रति अपने योगदान को दर्शाए।

4- प्रातः कालीन सभा में दिखाए गए किन्ही छः संस्कृत श्लोकों का अर्थसहित गायन करते हुए एक विडियो बनाएँ तथा गूगल क्लासरूम पर अपलोड करें।

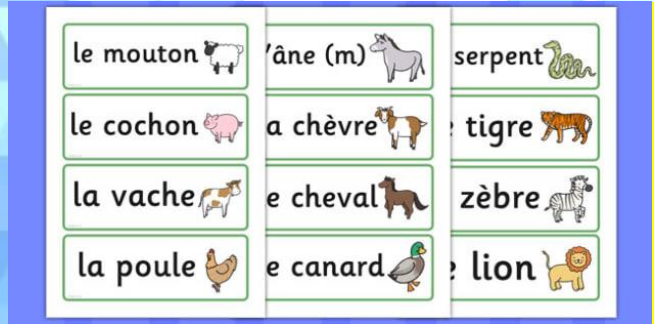
## अधिगम परिणाम:-

- शब्द निर्माण प्रक्रिया का ज्ञान व शब्द भंडार में वृद्धि।
- संस्कृत लेखन कौशल का विकास।
- भाषा संबंधी व्याकरणिक ज्ञान।
- श्लोकों के माध्यम से भारतीय संस्कृति से अवगत होना

**MODE OF HHW SUBMISSION:** Google Classroom

# FRENCH

Students have to make a PPT on general terms related to climate, vegetation and wildlife. Terms will have to be written in both the languages (French & English). Images also have to be included in the PPT.



**MODE OF HHW SUBMISSION:** Google Classroom





# INFORMATION TECHNOLOGY & ARTIFICIAL INTELLIGENCE

Students are required to create a movie on 'Protecting Flora & Fauna for our Future' using Windows Movie Maker or any such movie editing software.

Experience Google AR and click pictures with 3D animals in your environment.

Follow these steps:

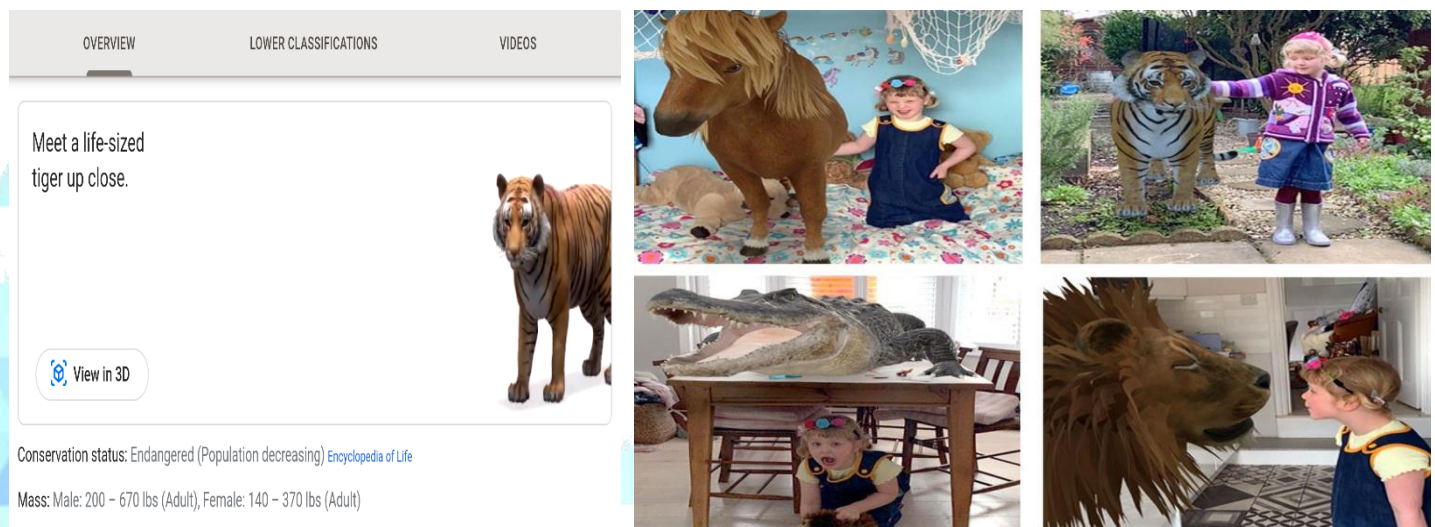
1. On your Android phone, go to [google.com](https://www.google.com) or open the Google app .
2. Search for an animal, object, or place.
3. If a 3D result is available, tap View in 3D .
4. To interact with the 3D result in AR, tap View in your space.
5. Follow the on-screen instructions.

There are many animals. Have fun and click interesting pictures. You may use these pictures and videos in your movie to make it more interesting.

Save the movie on Google Drive and share the viewable link of the same in the form link: <https://forms.gle/FSzJqWQB4LtRTFrB>

Time Duration: 2 - 3 mins

Last date of Submission: 15 January 2022



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**NOTE: THERE WILL BE A COMMON PRESENTATION OF HOLIDAY HOMEWORK AFTER THE SCHOOL REOPENS**  
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STAY SAFE, STAY HEALTHY, AND

HAPPY LEARNING   