



*Imperial Heritage School*  
SECTOR-102, GURUGRAM

**HOLIDAY  
HOMEWORK**

**SESSION 2021-22**

**GRADE- VII**

**THEME**

***Weather Climate and  
Adaptation***



***“The capacity to learn is a gift; the ability to learn is a skill; the willingness to learn is a choice”.***

*A Holiday Homework is an attempt to enhance children’s imagination. Doing it in the right spirit with enthusiasm will make it a great learning experience and will make your child an independent, inquisitive learner who will enjoy the learning process.*

*Dear Parents,*

*We are ready to welcome the Summer Vacation after a year of online schooling. The year gone by has taught us valuable lessons and gave us the ability to spring back from all challenges that came our way. I must thank you for supporting us and making the online teaching learning process, a successful joint venture between us. This break is a great opportunity to cheer up our souls and refresh our minds. This is the time to bond with our children and give them credit for quickly adopting to the new normal conditions and adjusting to it without any apprehensions or doubts. They attended classes, did activities and appeared for their exams with the same gusto and enthusiasm as they would do in a functional school. Kudos to our students.*

*Here are some tips for you, parents, to make the most of this time where there are no deadlines to meet, no assignment to be submitted or a test to study for. This is your “US” time, enjoy it and make beautiful memories.*

- Avoid negativity in all forms at home. Whether from News on TV or from the neighbourhood. Children get affected and sometimes do not express themselves. Discourage any talks or discussions that can have a negative impact on our children’s impressionable mind.*
- Have at least two meals together with your children.*
- Explain about the hard work our farmers put in so that we can have our meals on the table and ask them not to waste their food.*
- Let them wash their own plate after every meal. Children learn dignity of labour from such activities.*
- Encourage them to help you with preparing meals. Let them make their own vegetable and fruit salad.*
- Encourage them to learn 5 new words in English, Hindi and list them in a note book.*
- Nurture your child’s interest – be it art, music, dance or anything else. Let him/her pursue a hobby of his /her own choice.*
- Please train your child to become independent in his daily chores.*
- Let him/her keep the house clean—clear the toys, books or craft after he/she has finished playing with it. Let them lend you a hand with basic household chores like dusting and mopping, putting out clothes to dry, folding them etc.*
- Be polite while speaking and talk softly.*
- Inculcate proper toilet habits.*
- Remember to converse in English with your child.*
- Gently encourage your child to make a kitchen garden by planting seeds. Knowledge about plants and trees are an integral part of your child’s growing up.*
- Share stories about your childhood and your family history.*
- Assign a permanent workplace and a work-time. This brings in discipline in your child’s life.*
- Make sure you are spending quality time with your wards amidst this tensed environment.*

*And now a word for my students:*

*Dear Students,*

*With summer holidays around the corner, my heart swells up with an array of emotions. You all have worked hard in the past few months and it is time to have a refreshing vacation.*

*To maintain the educational continuum and to keep in view the rejuvenation you need, an enriching homework for the holidays is designed to keep you constructively busy and put boredom at bay. Continue to read e-newspaper every day and don't forget to complete your notebooks and assignment of the syllabus covered in online classes during April and May.*

*Don your thinking cap, wear your magic mantle to put forth your creative side. Have fun and frolic, build up your learning activities as a treasure.*

*Looking forward to seeing you soon, online.*

*Happy summer vacations! Enjoy, take rest and be back with full enthusiasm.*

Have a great



VaCation!



# ENGLISH

The weather of a place highly influences the lifestyle and the way of living in any city. While going on any trip, one first checks the weather of the place so as to pack appropriate clothing and footwear.

The chapter, *The One who Survived- Ada Blackjack*, is a story of a woman who goes on an expedition to an island in Northern Siberia and how she adjusts with the harsh weather and living conditions there.

1. Showcase the front page of a newspaper with a headline on Ada Blackjack after she returns from the expedition and write an **article** of 250 words on her stay there. Your camera isn't working, so make an appropriate **illustration** to add value to your article. Use an A4 size sheet and remember to make a border.

2. Unfortunately Lorne dies leaving Ada alone. As Ada, write three **diary entries** from that day of his death to the day leading up to the rescue. Each entry should be about 80-100 words focusing on the changing emotions. Use half an A4 sheet for each entry and make a diary cover also.

3. Just prior to going on a summer holiday, you started reading the story of Sinbad the Sailor and his different adventures. Inspired by his story, you plan to make a **survival kit** for yourself. Explain what items would be part of your kit and its importance. Also make a **daily schedule** for yourself- incase you get stranded on an island like him. Use two A4 sheets for this activity. Represent the information pictorially and you will have to explain the same.

# हिंदी

1) मौसम के बदलते हुए स्वरूप का संवादात्मक शैली में वर्णन कीजिए।

2) अव्यय शब्दों का प्रयोग करते हुए अनुच्छेद के रूप में उन कारणों का वर्णन कीजिए जिनकी वजह से कोई भी जीव किसी भी परिस्थिति में अपने जीवन का निर्वाह करता है। जैसे- मगरमच्छ पानी में, ऊँट रेगिस्तान में व साँप बिल में आदि। (अव्यय शब्दों को A4 साइज़ शीट पर अलग से दर्शाए)

# SCIENCE

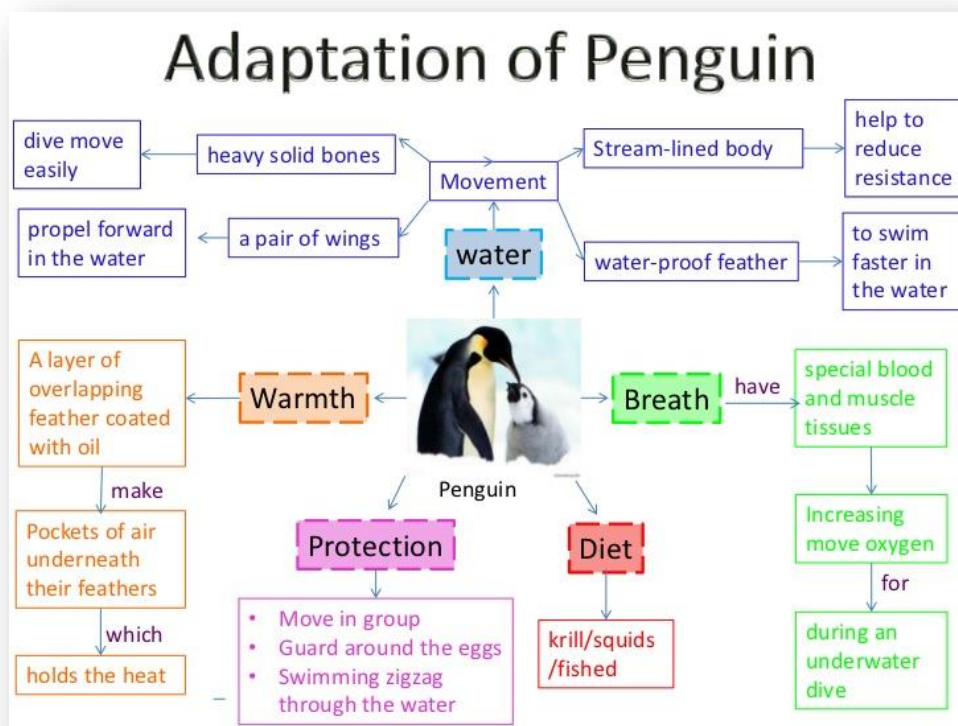
## Activity 1

### A. Mind map of Adaptations

As you have studied adaptations are any behavioural or physical characteristics of an animal that help it to survive in its environment. Any or all of these types of adaptations play a critical role in the survival of an animal and animals have evolved their adaptations. This means a long period of slow change resulted in an animal's adaptation.

Pick up an example of an animal which has adapted to each type of the climate: cold climate, hot climate, and hot and wet climate; and create a mind map of their adaptations. An example has been given below for your reference.

Note: Activity is to be done on A4 sheets.



### b) Animals at a risk from climatic change

Climate change has thrown our beautifully balanced planet into chaos. The researchers found that the climatic chaos we've sowed may just be too intense. Some species seem to be adapting, yes, but they aren't doing so fast enough. As oceans and forests transform and ecosystems go into shock, perhaps a million species teeter on the edge of extinction.



Search the examples of animals which belong to cold climate, hot climate, and hot and wet climate; and are on the verge of extinction due to climatic changes. Research and document the reason(s) behind their extinction too.

Note: - Activity is to be done on A4 sheets.

- Paste/ draw the picture of the animals on the verge of extinction.

### **Activity 2: To construct a rain gauge.**

Materials Needed: Empty plastic water bottle, cutter, ruler, adhesive tape.

Procedure:

1. Cut the empty plastic water bottle from the middle, take off the cap, insert it upside down and paste it using adhesive tape.
2. Paste a ruler on one side of the bottle using adhesive tape.
3. On a rainy day, place the rain gauge in the open and measure the rain poured daily over a week.



**RAIN GAUGE**

# MATHEMATICS

## 1. Cyclones (Last ten years data): (Art Integrations)

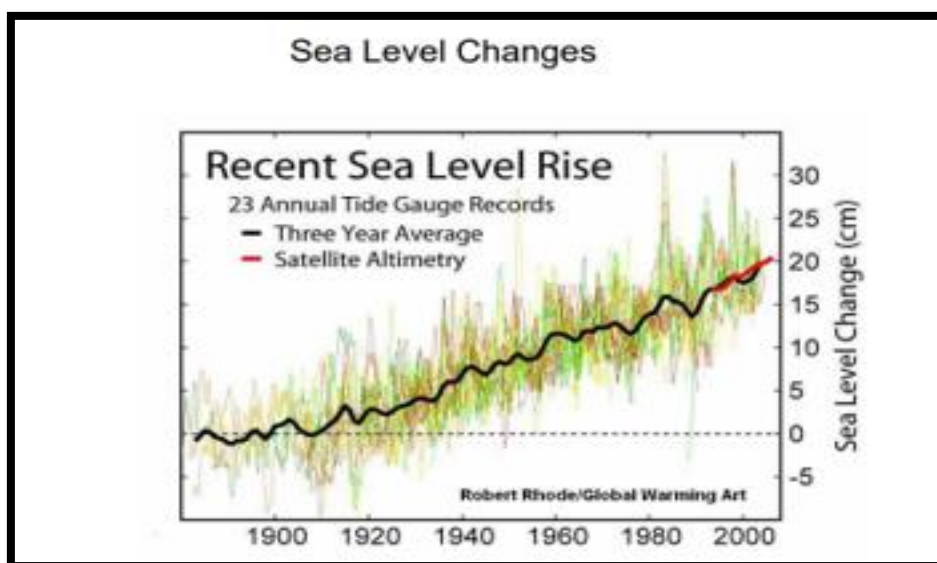
On a A – 4 Sheet make big droplet of rain and in each droplet write the name of a cyclone that hit India in last ten years also write the windspeed at the time of landfall for each cyclone.



(Remember rain comes from cloud)

2. Collect the data of last five cyclones that hit the world: Write the speed of the wind at the time of landfall and the number of deaths due to that cyclone. Draw a double bar graph against each cyclone.

## 3. Sea Level Changes:



As global temperatures increase, water expands. This means that the volume of the world's oceans will steadily increase in time. This causes the sea level to increase. Also, some areas of the world are still changing after the enormous weight of the ice sheets from the last Ice Age have gone away. This causes land areas to rise, and so in those coastal areas, such as the East Coast of North America, sea levels are falling. A simple function that models the average sea level around the world is given by

$$H(X) = 0.21X - 401.1$$

where X is the year (currently X=2021), and H is the sea level change since 1910 in centimeters.

On the basis of above equation solve the following problems:

Problem 1 - What was the change in sea level by (in cms)

- a) 1960 ?
- b) 1980 ?
- c) 2000 ?
- d) 2020 ?

Problem 2 - Compared to 2020, how much higher will it be in the year 2100 according to this model?

## SOCIAL SCIENCE

**“Sunshine is delicious, rain is refreshing, wind braces us up, snow is exhilarating; there is really no such thing as bad weather, only different kinds of good weather”.**





### **ACTIVITY-1 (Roll. No. 1-9)**

**“Who cares about the clouds when we're together? Just sing a song and bring the sunny weather”.**

- Find out which songs, dances, festivals and special food preparations are associated with certain seasons in your region. Do they have some commonality with other regions of India? **Make an Anchor Chart to illustrate how seasons affect life.**
- Draft a Tweet or Instagram post or release Season Theme song on Facebook, YouTube-the digital media to enhance the visibility of the programme.

**Note: - First share the pictures and videos before using the digital media.**

### **ACTIVITY-2(Roll. No. 1-9)**

**Everybody talks about the weather, but nobody does anything about it.**

- Prepare a working model of a Wind Vane. (Share the pictures and videos of the working model).

### **ACTIVITY-1(Roll. No. 10-18)**

**“Climate change is sometimes misunderstood as being about changes in the weather. In reality it is about changes in our very way of life”.**

- Collect photographs/ pictures of typical rural houses and clothing of people from different regions of India. **Examine and create a photo album to reflect the relationship between the climatic condition and relief of the area.**

**Conduct an Awareness Campaign-** All Nations must work together to help mitigate and adapt to climate change and its impacts for the benefit of people everywhere by creating and distributing brochure using the digital media to enhance the visibility of the campaign.

**Note: - First share the pictures and videos before using the digital media.**

### **ACTIVITY-2(Roll. No. 10-18)**

**Everybody talks about the weather, but nobody does anything about it.**

- Prepare a working model of an Anemometer. (Share the pictures and videos of the working model)

# ICT

Make an Interactive Quiz in PowerPoint using Hyperlinks of Minimum 10 questions. Topic for the quiz- “Latest research on Climate Change in the World”.

To know how to create an Interactive Quiz in PowerPoint refer to the following Youtube Link-

<https://www.youtube.com/watch?v=Z50My6to14s>

# SANSKRIT

कोई पाँच अकारान्त पुल्लिंग संस्कृत शब्द चित्र सहित चार्ट पर लिखिए

मुनि शब्दरूप ए-4 शीट पर लिखिए

# FRENCH



As you all are learning French language continuously in your school and now this is the time to share the knowledge. So, let's

1. Make a poster by pasting the months of a year in which you will show the different weathers in French language by using your previous learning.
2. Draw a picture in which you have label the different parts of body name.
3. Conjugate 10 verbs in each different groups of verb like-
  - “-er” ending verb
  - “- ir “ending verb
  - “- re “ending verb