

ENGLISH

1. HELP ANIMALS STAY HYDRATED

The sun is getting hotter, and just like us, animals can get really thirsty too! To help out your furry and feathered friends, you must place a shallow bowl filled with water outside your house, on a porch, balcony, or in your yard. Click and make a collage with a minimum of five pictures. Make it in word file.

2. India is a land steeped in history, culture, and natural beauty, offering myriads of enchanting tourist destinations. Prepare a PowerPoint presentation containing informative slides on the following topics:

- Why should you visit India?
- Name the beautiful places.
- Where are they located?
- What are their prerequisites that make these tourist places in India special?



The PowerPoint presentation should at least be of 6-8 slides.
(Send it to your subject teacher via Email)

- V A – aakritijain.apskp1@asterinstitutions.com

3. Homographs are the words that have the same spelling but completely different meanings. For example:

Saw-

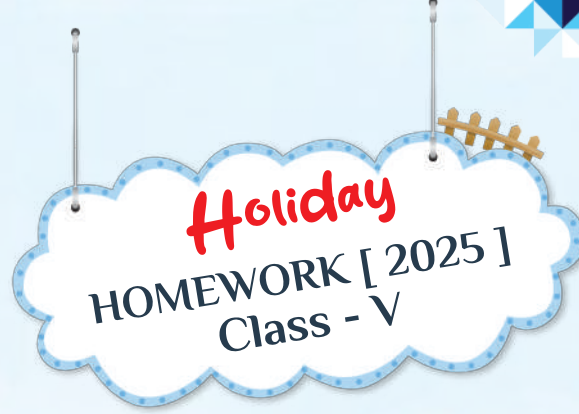
Noun: A tool used to cut wood or metal.

Verb: To look at something around you



Make a list of ten such pairs of homographs with their meanings on A4 sheet.





4. Prepare a TED talk on contemporary issues in India such as social impact, philanthropy, animal welfare, elderly care, smart cities and innovations in healthcare. Share your unique perspective on these topics, discussing challenges, potential solutions and the role of innovation in shaping India's future. Record and present your TED talk addressing these issues affecting our country.

Send the video to your subject teacher via Email

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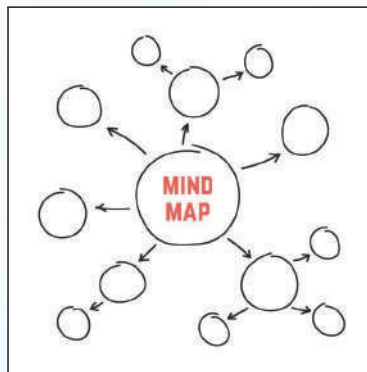
4. "Books: the original virtual reality." – Franklin D. Roosevelt

Read a book "Grandma's Bag of Stories" by Sudha Murthy or any other book of your choice and create a mind map for any one story on loose A4 sheets. Include the following elements:

Characters – List the main characters.

Important Events – Highlight key plot points

Character Traits – Describe the primary characteristics of each character.



Ensure your mind map is clear and well-organized.

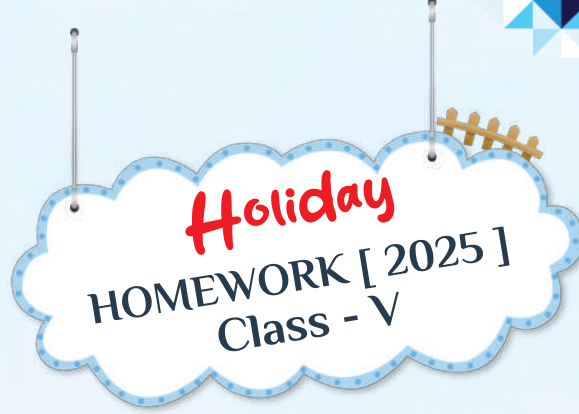
- Please note: The work is to be done on A4 sheets and compiled into a single file folder with Name, Grade and Roll No. of the student written on the file.
- English holidays homework to be submitted on 4th July, 25.
-

Theme: *International Year of Quantum Science and Technology (2025)*

English

- Write a paragraph on "If I were a Quantum Scientist..."
- Make a word search with 10 science-related words.





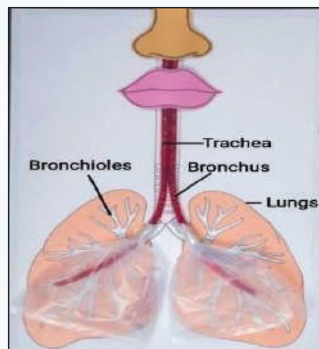
Science

✦ Theme: *International Year of Quantum Science and Technology (2025)*

1. Project Work

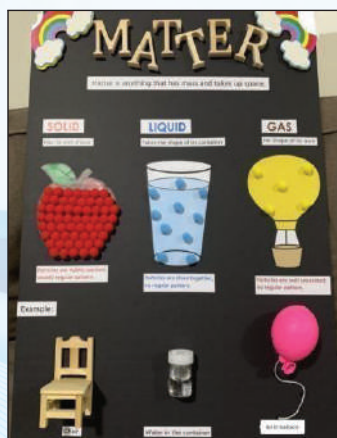
NOTE: PICTURES OF THE MODELS GIVEN BELOW ARE JUST FOR THE REFERENCE. PLEASE USE YOUR CREATIVE AND INNOVATIVE IDEAS TO MAKE THESE MODELS MORE ATTRACTIVE.

For Roll number 1-3
Human Respiratory
System

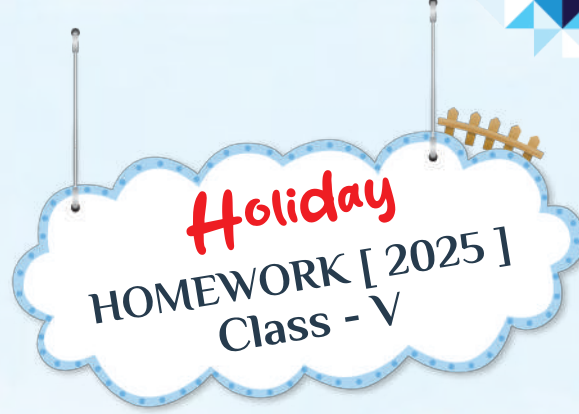


Students will have to make working model of Human Respiratory System with proper labelling of all the organs of this system.

For Roll number 4-6
Three States of Matter



Students will have to prepare a model showing all three states of matter i.e. Solid, Liquid and Gas.



For Roll number 7- 10
Water Cycle



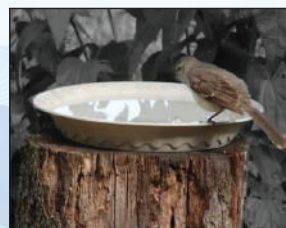
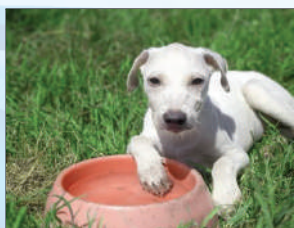
Students will have to prepare a model of Water Cycle and label all the processes involved in this phenomenon.

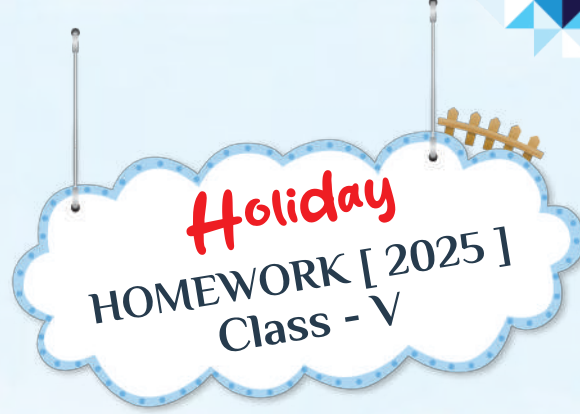
2. Be kind towards Animals

Do you ever find yourself feeling content as you drift off to sleep, wrapped up in your cozy blankets with the cool air conditioning on, at twilight? But have you considered the less fortunate creatures roaming the streets and enduring scorching temperatures on the streets? These street animals and birds require the same affection and care as the ones living inside our houses.

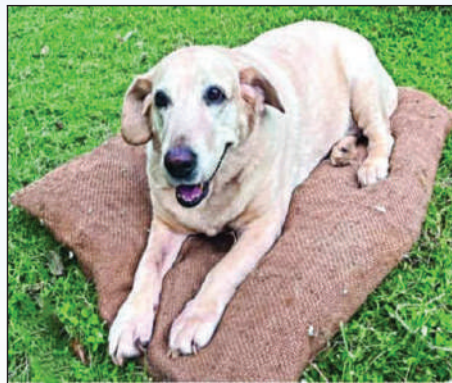
Following are a few tips we all can take for the betterment during the summer season:

- A. **Provide water:** Hydration is essential for any living organism, especially in summer. Hence, placing terracotta or mud bowls with clean water outside your houses, is highly recommended as these bowls keep the water cool for an extended period. For small animals like squirrels and birds, one can hang shallow bowls on trees or terraces. A few points to be noted are:
- (a) Do not serve extremely chilled water, as this can increase the risk of heat stroke.
 - (b) Clean and refill the bowls at regular intervals. (using your hand gloves)





B. Shade and shelter: Animals instinctively seek cool, dark places to ride out the summer essence. This will limit the risk of homeless animals seeking shelter under parked cars or under their bonnets. This would help reduce the chance of accidents and even human-animal conflict. Also place a mat near your house and also sprinkle some water over it.



B. Spray water around streets: Spraying water using mist pumps around streets and places often visited by animals, provides coolness and comfort to community animals, like cows, cats, and dogs. Students have to click pictures of the acts of kindness done by them and make the collage of these pictures and mail it to the following teachers:

Presentation "Be Kind towards Animals"

Compile beautiful picture of different animal using your things that you have provided to the animal birds in your presentation (minimum 5-6 slides)

STEM Activity Title:

Air Pressure Magic: The Self-Flowing Bottle

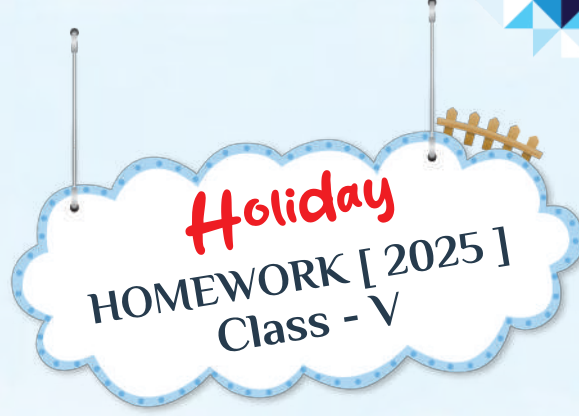
Objective:

To demonstrate how air pressure and water pressure interact, and how changes in pressure can control the flow of liquids—helping students explore the principles of atmospheric pressure, fluid dynamics, and the behavior of gases in a fun and competitive way.

Materials Needed

- 1 transparent plastic bottle with cap
- 1 red straw (to be inserted vertically through the cap)
- 1 blue straw (inserted horizontally through the side of the bottle)
- .Water-.A small bowl
- .Hot glue or modeling clay (to seal around straws).





Instructions:

1. Fill the plastic bottle with water almost to the top.
2. Insert the red straw vertically through the bottle cap. Seal the cap tightly around the straw with glue or clay to prevent air leakage.
3. Insert the blue straw horizontally through a small hole in the side of the bottle near the middle. Seal the edges around the straw.
4. Place a bowl under the blue straw to collect water.
5. Keep the bottle tightly sealed—no air should enter from the top initially.
6. To start the experiment, slowly lift the red straw to different heights.
7. Observe the flow of water from the blue straw into the bowl.
8. Measure how much water is collected in the bowl within a set time.

Conceptual Framework
(Science Behind It):

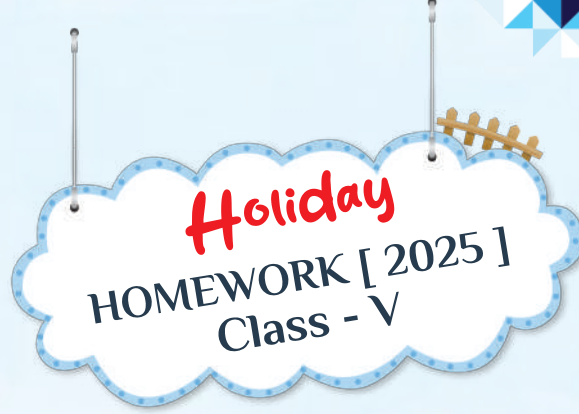
This activity demonstrates how air pressure and water pressure balance each other. Initially, the sealed bottle traps air and water, preventing flow due to internal pressure. As the red straw is lifted, the internal pressure decreases, allowing external air to enter and displace the water. This creates a flow through the blue straw. The activity models how pressure differences cause movement of fluids—key principles in weather systems, hydraulics, and even breathing mechanisms.

Competition Element:

.Students will compete individually.

Prizes or certificates will be awarded to the student with the most efficient setup and best understanding of the concept.

https://youtube.com/shorts/HupOdYPT9PQ?si=HFqSosh5to_mqKvI



Social Studies

Project Title: "The Climate World Tour"

Objective:

To explore and understand the factors affecting climate like winds, altitude, distance from the sea, and temperate zones, and how they shape the weather and living conditions in different parts of the world.

Instructions:

Choose 4 Different Locations Around the World

You will explore 4 places that have different climates based on these factors:

Winds (e.g., Monsoon winds in India)

Altitude (e.g., High-altitude climates in the Himalayas)

Distance from the Sea (e.g., Coastal vs. inland climates)

Temperate Zones (e.g., Mediterranean, Tropical)

Step 1: Create Your "Climate Explorer" Journal (printed or handmade) Students can take help from Pinterest type journal ideas and find many creative journal .

Create a travel journal that includes 4 climate destinations, one per page.

For each climate, include:

- Name of the location
- Climate Description (Type of climate: Tropical, Temperate, Desert, etc.)
- Factors Affecting Climate:
 - Winds: Explain the role of local winds (e.g., trade winds, monsoons).
 - Altitude: Describe how higher altitude affects the weather (cooler temperatures in mountain regions).
 - Distance from the Sea: How coastal areas are more moderate compared to inland areas.
 - Temperate Zones: Explain how temperate zones have distinct seasons (summer, winter, spring, fall).
- Drawings or Photos: Show the climate (trees, animals, people, and houses suited for the climate).

Step 2: Add a Fun Twist – "Climate Challenge!"

Task:

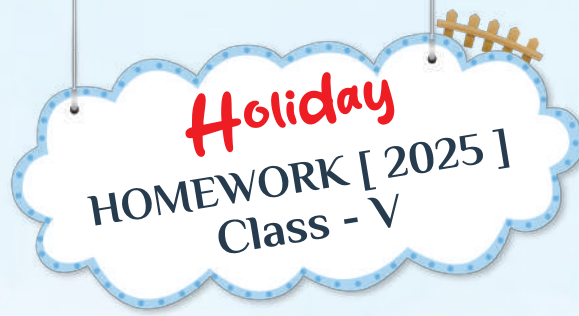
Incorporate a "Climate Challenge" for each place:

For each of the 4 places, create a challenge where you (as the "Climate Explorer") solve a climate-related problem, such as:

Challenge 1: Like 1st place says "I'm in the desert – How do I keep cool despite the scorching sun?"

Challenge 2: "In the mountains, I'm freezing! What do I wear to stay warm in the snow?"





Challenge 3: "I'm by the sea – How do I protect my home from the humidity and salty air?"

Add a Climate Map showing where these locations are on the world map

Paste pictures and Write about a day in the life in each climate, describing what people wear, what food they eat, and what activities they do.

MATHEMATICS

"Nature is written in mathematical language."

— Galileo Galilei

General Instructions:

- **PART - A is the project.**
- **PART - B is the revision sheet, which is recapitulation of the work which has been done so far.**
- **Attempt all the questions neatly and in serial order.**
- **Do the revision worksheet on the A4 size ruled sheets.**

Part A

Model

Roll No. 1-4: Make a decimal place value chart model.

<https://youtube.com/shorts/kOp13dO5XFY?si=Eu9OsGdMd5nDmtG7>

Roll No. 5 onwards: Model of Conversion of units.

<https://youtube.com/shorts/eRdVPt3KvD8?si=dgHHNIGRsIVf2u4K>

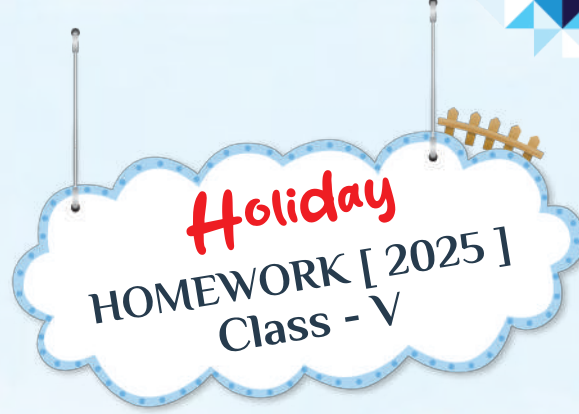
The links have been given for your reference. Students are free to use their own creativity.

Part B

Q1. Lord Hanuman is a beloved figure in Hindu mythology, known for his strength, loyalty, and devotion. And, The Hanuman Chalisa is a Hindu devotional hymn in praise of Hanuman.

According to it, yug sahra yojan par bhanu means Hanuman travelled a distance of yug sahra yojan to eat Sun realising it is as a sweet mango.





Yug= 12000years

Sahstra=

1000years Yojan=

8 miles

If we add yug sahstra and yojan then it's the real distance between earth and sun.
Calculate it.

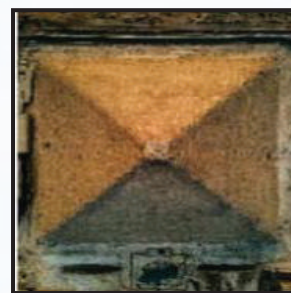
Q2. Look at the pictures of a famous monument of Egypt. These are its different views.



Front View



Side View



Top View

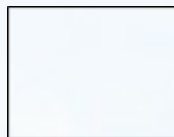
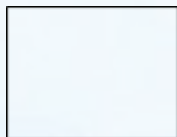
What type of 3-dimensional shape does this monument have?

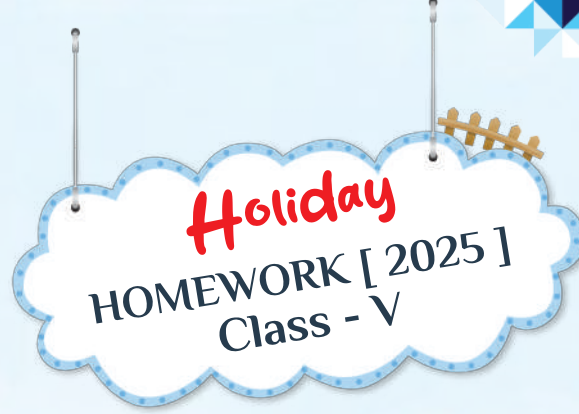
(ii) Now draw the different views of the CYLINDER shape

(a) Front View

(b) Side View

(c) Top View





Q3. Simplify the following:

- a. $4,34,24,344 + 3,33,566 - 23,34,567$
- b. $8,34,56,234 - 3,00,00,000 + 7, 56, 678$

Q4. Irfan's father has bought a piece of land and some equipment worth ₹2,65,33,189 from Mr. Rakesh Kumar. Complete the Cheque for Irfan's father by writing the numbers in words in the space provided against 'Rupees'.

Q5. Multiply the successor and predecessor of the greatest 3-digit numbers.

Q6. A large stadium can hold 2,16,000 people. On a particular day 1,19,880 people were seated in the stadium. If the number of women were 64,655 then find the number of men and how many seats were vacant?

Q7: Divide the greatest six digit number by the greatest number formed by the digits 3,5,4.

Q8: A factory produced 34,14,860 chocolates on a day at a cost of 12 per chocolate. How much money did the company spend in making the chocolates?

Q9. Two friends have six bags of money and two suitcases. They want to share the money equally between them. How should they pack their suitcases?



Q10: A dealer collected Rs 33,60,000 by selling 105 washing machines. Find the cost of one washing machine.

Q11. Veenu bought 32 boxes of cherries. There were 140 cherries in each box. He packed them into bags of 35 cherries each. How many bags does he need?


Q12. In a large container, there are 14,335 litres of juice. If the juice is to be filled equally into 47 small containers, how much juice must be poured in each small container?





Holiday
HOMEWORK [2025]
Class - V


FRENCH

A. Reliez les images suivantes avec ses noms. (Match the following images with their names).


☐


☐


☐


☐

a. La tour Eiffel

b. L'hexagone

c. L'hymne


d. Napoleon

e. L'Arc de Triomphe

f. Le musee du Louvre

g. Tricolore

h. La Baguette


☐

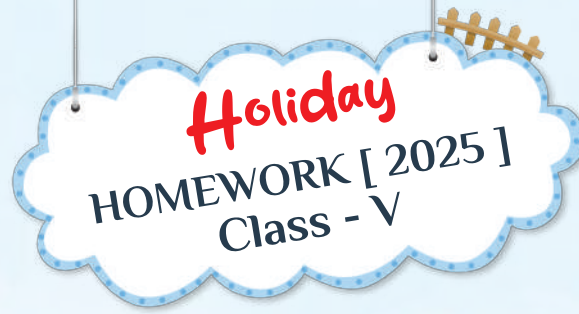

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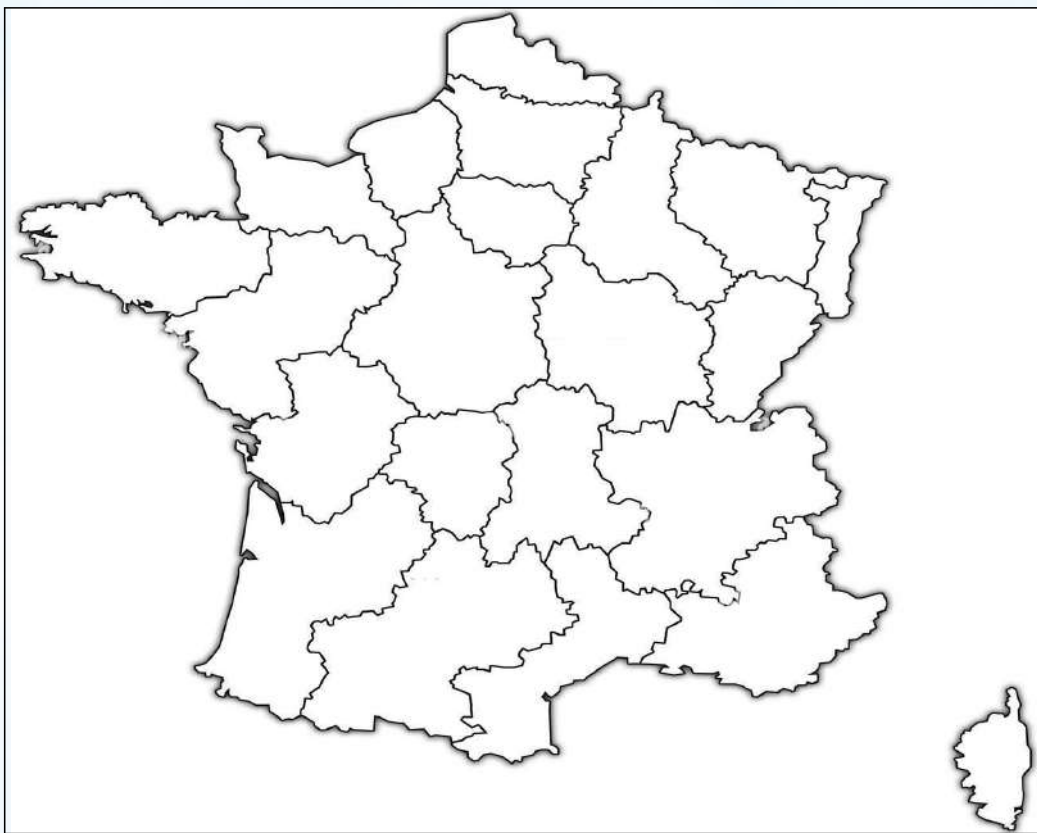

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B. Coloriez les villes suivantes à la carte de la France avec les couleurs en parenthèse. (Colour the following cities in the map of France with the colours mentioned in brackets)

- Paris (Vert /Green)
- Lyon (Jaune/Yellow)
- Bordeaux (Orange)
- Marseille (Rouge/ Red)



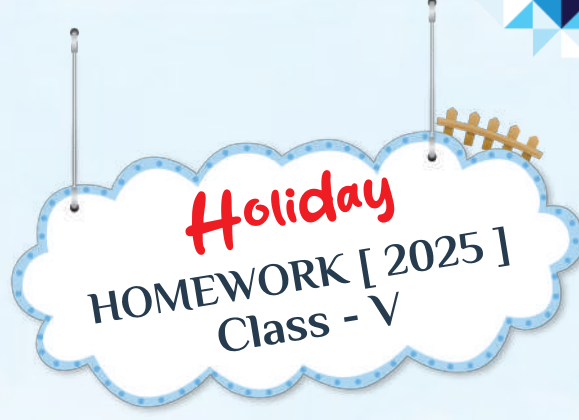
NOTE: Map is given below



Question: Qu'est-ce qui vous motive à apprendre le français ?

(What motivates you to learn French? Write 6-7 lines)





Art/Craft

✦ Theme: *International Year of Quantum Science and Technology (2025)*
English

- Make a model of an atom using clay balls and sticks.
- Design a superhero costume for a “Quantum Hero.”

Hindi

(हिन्दी अवकाश गृहकाय)

1. मेरी हिंदी पुस्तक

विवरण: खुद की एक हिंदी पुस्तक बनाएं जिसमें:

एक कविता (स्वरचित)

एक लघु कहानी

एक पहेली

और एक चित्र लेखन

कला:

सुंदर कवर डिज़ाइन

करें हर पेज पर चित्र

बनाएं

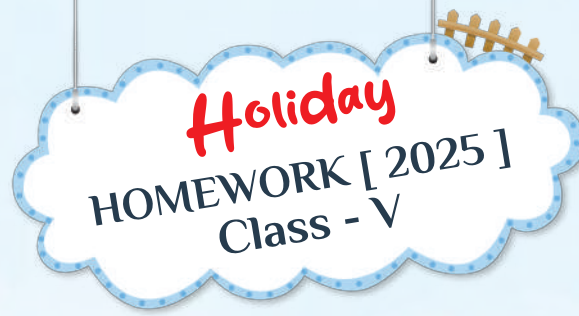
किताब का नाम और लेखक – विद्याथ का नाम दें।

2. प्रतियोगिता एक पेज पर सुलेख कीजिए।

Sanskrit

1 से 20 तक की संख्याएँ संस्कृत में A4 size sheet पर लिखें।





**DO YOUR BIT FOR
STRAY DOGS
DURING SUMMER
SEASON.**

**-PLACE AN EARTHEN
POT FILLED WITH
WATER OUTSIDE
YOUR HOME.**

**DO NOT FORGET TO
WATER YOUR
PLANTS.**

