



**TAGORE INTERNATIONAL SCHOOL
VASANT VIHAR N.DELHI
HOLIDAY HOMEWORK (2024-25)
CLASS VI**



Summer, Summer
I'm so glad you're here!
Summer, summer
Let's cheer!
Summer, summer
I'll meet you at the park!
Summer, summer
Let's stay up till dark!

Dear Students

Summer Break is the most enviable part of school life. It is a well deserved opportunity to relax and rejuvenate by indulging in activities that are pleasurable and educational at the same time. This year the holiday homework is designed keeping in mind the 3 R's of Summer **Read, Relax and Renew**. The activities prepared will foster curiosity, develop creativity , enhance knowledge and instill the joy of learning among you all.

The following are recommended-

- Balance your day to enjoy your leisure time by including a physical fitness regime.
- Learn to play an instrument or learn music or some sport.
- Watch a theatrical performance, classical dance, classical music performance.
- Visit museums.

- **Bring the ticket stub of the museum, theatrical, dance/ music performance you attend and show it to your class teacher. This will secure you a few bonus points.**
- Be sensitive to the needs of the creatures around you. Keeping a bowl of fresh water and some food for birds and animals everyday would make a world of difference to them..
- Help your parents in household chores. Surprise them by preparing a dish for them. (non- flame cooking)
- Take out time for your grandparents, share your experiences and request them for stories.

This year's Holiday homework aims at recognizing and appreciating the commendable journey of Bharat in the last decade .We will explore the flourishing states of Gujarat and Karnataka in a little more detail.

Watch any one of the following movies and be prepared for class discussion after the school reopens-

- **Manu: This movie showcases the culture and traditions of Karnataka, including the state's rich heritage, customs, and festivals.**
- **Meera: This movie showcases women's empowerment and self-reliance in Gujarat.**
- **The Good Road: This critically acclaimed movie tells the story of three characters who come together on a highway near Kutch.**
- **Jesal Toral: This movie follows the story of a bandit and a virtuous woman who help transform each other.**
- **Chal Jeevi Laiye: This movie tells the story of a father and son who set out on a journey to Kedarnath.**
- **Bhavni Bhavai: This movie tells the story of a prince who fights the caste system, unaware of his real identity.**

All activities will be in the form of tasks which are to be presented as a web page.

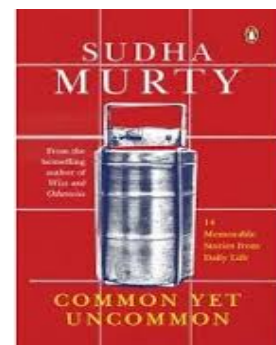
In addition to these tasks, an interdisciplinary(Mathematics, Social Science and Hindi) art-integrated project will also have to be done as a part of holiday homework.

TASK - 1 ENGLISH

- a) The following books will take you through the culture and traditions of the selected states .It will help you connect not only with the characters, but with the people living there. Enjoy the books by appreciating the settings, characters and events. When you rejoin school, you will attempt an assignment on any one book of your choice.

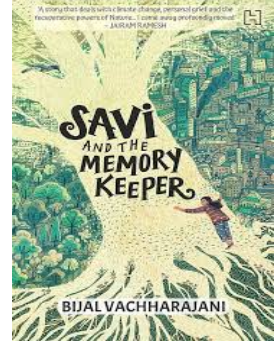
Common Yet Uncommon : Sudha Murty

This book paints a touching portrait of everyday life, capturing the quirks and imperfections of ordinary people. Through fourteen tales, Sudha Murty explores memories of childhood, life in her hometown, and encounters with various individuals.



Savi and the Memory Keeper- Bijal Vachcharajani

Savi grapples with loss in a strange new town, she discovers something startling. Not only can she communicate with her father's plants—all forty-two of them—she can talk to the giant ficus tree behind her school. Savi soon learns that Tree (as they are known) knew her father as well and that their friendship was at the heart of a magical network of animals and plants working together to protect Shajarpur.



- b) Write an analytical essay on 'India- A Land of Limitless Possibilities' in 100-120 words. Express your views keeping in mind the guidelines and the checklist given in class. This essay will be assessed as part of internal assessment and should be submitted on the day the school reopens.

The assessment of the essay will be based on -

Rubric for Assessment

Adherence to the topic and originality	1 Mark
Word usage and expression (including punctuation)	2 Marks
Style and fluency of language	1 Mark
Mark Timely submission	1 Mark
Total	5 Marks

TASK 2 - HINDI

अहमदाबाद से मुंबई के बीच बुलेट ट्रेन चलाए जाने का प्रस्ताव न केवल भारतीय रेल बल्कि पूरे भारत के विकास में एक बहुत बड़ी उपलब्धि होगी। इस बुलेट ट्रेन में बहुत-सी खूबियाँ होंगी ऐसा अनुमान लगाया जा रहा है। वह खूबियाँ क्या-क्या हो सकती हैं। इस आधार पर बुलेट ट्रेन में यात्रा करने के लिए लोगों को आकर्षित करता हुआ एक रंगीन विज्ञापन तैयार कीजिए। जिसमें इस ट्रेन में कितने यात्री एक साथ बैठकर यात्रा कर सकते हैं, टिकट, कोच की संख्या, कुल सीटें आदि की जानकारी विज्ञापन में होनी चाहिए।

अथवा

गुजराती व्यंजनों की विविधता का अनुसरण करें और उनमें से कुछ पौष्टिक भोजन जो आपके स्वास्थ्य को बेहतर बनाते हैं उनकी खोज करें। गुजरात और कर्नाटक में मिलने वाले भोज्य पदार्थों के बीच तुलना करें।

अपने परिवार के सदस्यों के साथ मिलकर एक ऐसे व्यंजन का निर्माण करें जो गुजरात और कर्नाटक में पाएँ जाने वाले भोज्य पदार्थों से मिलकर बना हो। अपने व्यंजन को एक रोचक नाम दें। उनकी तस्वीर खींचें। अपने बनाए गए भोजन के बारे में एक 80-100 शब्दों की कहानी कॉमिक स्ट्रीप्स के माध्यम से लिखें।

मूल्यांकन बिंदु

रचनात्मकता/मौलिकता	2
विषय वस्तु/तथ्य/भाषा शैली	2
समयावधि	1
कुल अंक	5

TASK 3 MATHEMATICS : Attempt any one of the given parts 1 and 2.

Part 1

VANDE BHARAT EXPRESS: A Make in India Success Story



The Government of India has dedicated significant efforts towards strengthening the 'Make in India' campaign. As an excellent example of the 'Make in India' success story, the Indian Railways launched India's first indigenous Semi High Speed train, Vande Bharata Express. The first Vande Bharata Express train was flagged off on February 15, 2019, on the New Delhi-Kanpur-Allahabad-Varanasi route.

The Indian Railways has recently introduced the new avatar of Vande Bharat: Vande Bharat 2.0 with the first train being flagged off by the Prime Minister on **September 30, 2022 from Gandhinagar to Mumbai.**

- Investigate the features and benefits of the new 'Vande Bharat' trains introduced in India. Calculate the average speed of these trains between any two major cities of Gujarat.
- Identify all Vande Bharat routes in Gujarat and plot them on a bar graph . Find out the longest and the shortest route .
- Application Research of Design Geometry in designing of High Speed Trains
<https://iopscience.iop.org/article/10.1088/1757-899X/573/1/012063/pdf>
 The geometry of high-speed train model: (a) the front view, (b) the side view, (c) the top blowing position, (d) the upper blowing position in WWS, (e) the middle blowing position in WWS, and (f) the lower blowing position in WWS.
- Explore the above given link and write any 3 key learning points.
- Create your own high- speed train model using basic 2 D and 3 D shapes .

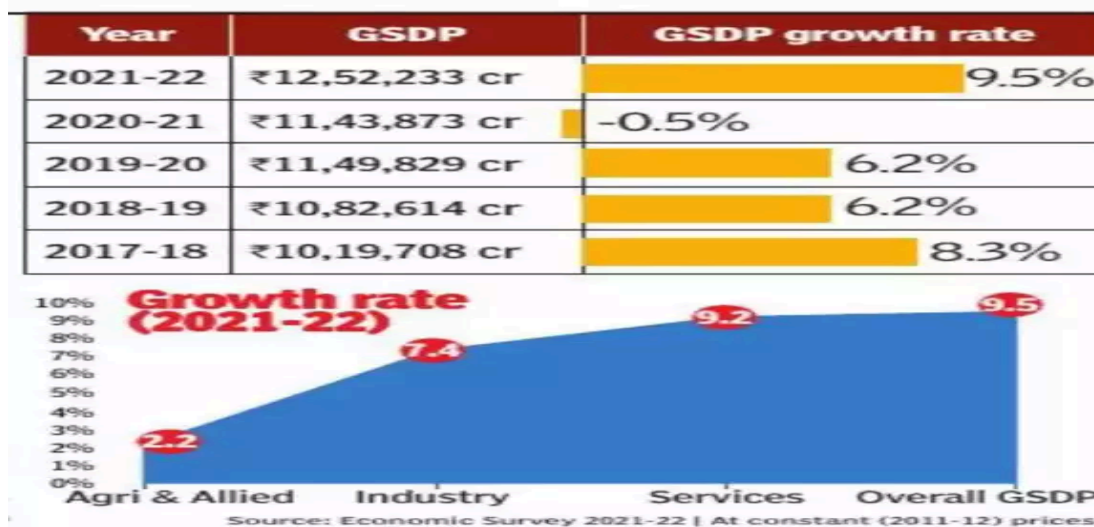
OR

PART 2

Economy of Karnataka

GSDP Growth Rate

Gross State Domestic Product (GSDP) or State Income is the most important indicator for measuring the economic growth of a State.



[Karnataka](#) is one of the highest economic growth states in India with an expected GSDP (Gross State Domestic Product) growth of 9.5% in the 2021–22 fiscal year. The total expected GSDP of Karnataka in 2022–2023 is about \$240 billion. Karnataka recorded the highest growth rates in terms of GDP and per capita GDP in the last decade compared to other states.

- Analyze the given data on Karnataka's gross state domestic product (GSDP) over the year 2017-2022 .
- Calculate average growth rates.(To calculate the average growth rate , you first need to divide the present by the past value, then multiply that number by N (where N is the number of years).
- Create a graph on given data to visualize it.
- In which financial year does it show maximum growth and minimum growth ? Calculate the difference between the two.
- Write all the given GSDP mentioned above in a table in the international System of numeration .
- Identify and list factors contributing to such development.

Read more at:

http://timesofindia.indiatimes.com/articleshow/90005736.cms?utm_source=contentofinterest&utm_medium=text&utm_campaign=cppst

Rubrics for assessment





Collection of data	2 marks
Accuracy in calculations	1 mark
Model making	1 mark
Timely submission	1 mark

TASK 4 : SCIENCE

As the summer break approaches, get ready to embark on an exciting scientific journey ! Immerse yourselves in the preparation for the upcoming Science exhibition. It's time to unleash your curiosity and creativity as you dive into a multitude of engaging activities. From designing captivating experiments to crafting interactive games and exhibits, compiling innovative science working models or even creating simple toys explaining scientific concepts, this summer will be filled with exploration, discovery, and endless possibilities. So, gear up for an unforgettable adventure as we delve into the fascinating world of science together!



Step 1. Choose any one of the following:

<p>Science working model explaining any concept of science.</p> 	<p>Conducting hands on Science experiment</p> 	<p>Creating a simple toy which can explain any principle related to Science</p> 	<p>Designing an interactive Science game</p> 
<p>Dive into hands-on learning by creating a physical representation of a scientific concept. Build a model that showcases the wonders of science in action!</p>	<p>Take centre stage and wow your friends and family with a captivating scientific demonstration. Whether it's a thrilling experiment or an eye-opening presentation, show off your scientific skills with confidence!</p>	<p>Combine fun and learning by designing a toy that not only entertains but also teaches about a specific scientific principle. Let your imagination soar as you bring science to life through play!</p>	<p>Put your game design skills to the test by crafting an interactive experience that challenges players to explore and understand scientific concepts. Get ready to game your way through the world of science!</p>

Step 2. Collect the materials required and start your scientific adventure.

Step 3. On an A4 sheet write a synopsis related to your activity.

Step 4. Submit it for assessment on the first day of reopening.

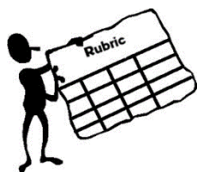
Sample Resources: <https://www.arvindguptatoys.com/toys.html>

<https://www.pinterest.com/innovationkidslab/science-fair-projects/>

Choose the project that excites you the most and embark on a journey of discovery.

NOTE: The selected innovative models, games, toys or demonstrations will be exhibited during the Science exhibition.

Rubrics



For Science Model

Content Knowledge	Accuracy of scientific concepts demonstrated in the model.	2 marks
Creativity and Originality	Demonstrates innovative thinking and original ideas.	1 mark
Presentation	Clarity and organization of the display	1 mark
Engagement and Interaction	Engagement with the audience, including answering questions and eliciting interest	1 mark

For Interactive Game

Educational Content	Accuracy and relevance of scientific concepts incorporated into the game.	2 marks
Interactivity and Engagement	Variety of interactive elements such as quizzes, challenges, or simulations.	1 mark
Ease of Use and Navigation	Clarity of instructions and guidance provided to players.	1 mark
Creativity and Design	Visual appeal and coherence of the game design elements.	1 mark

For Science Toy

Alignment with Scientific Concept	The toy effectively represents the chosen scientific concept through its design and functionality.	2 marks
Creativity and Innovation	Originality and creativity in the design and construction of the toy	1 mark
Functionality and Performance	The toy operates as intended and effectively demonstrates the scientific concept	1 mark

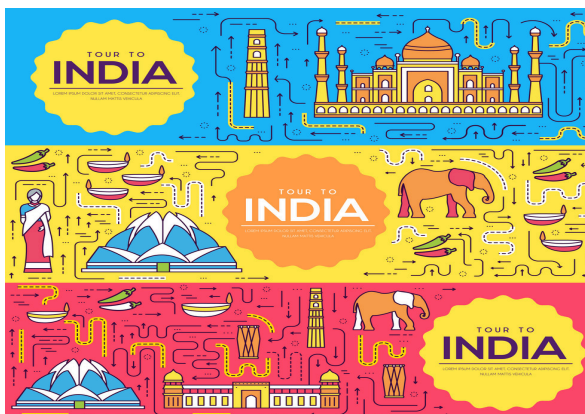
Educational Value	The toy promotes learning and exploration of the scientific concept in an engaging manner.	1 mark
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For Experiment/ Demonstration

Preparation	All the material and equipment is ready before the demonstration	1 mark
Clarity of explanation	Purpose of experiment, steps involved and scientific concept being demonstrated is clearly explained	1 mark
Engagement	The audience is kept engaged by encouraging participation, asking questions and eliciting predictions	1 mark
Accuracy of demonstration	Correct procedure is followed while demonstrating the experiment	1 mark
Audience interaction	Questions are answered, misconceptions are addressed	1 mark

TASK 5: SOCIAL SCIENCE

Imagine yourself as an enthusiastic traveler and travel blogger who loves to explore places all over the world. You like to uncover hidden gems, and share captivating tales of your escapades with the readers of your blog. Create a blog covering the state of Gujarat or Karnataka.



Here are some ideas you can incorporate in your blog. You can explore more topics to make your blog even more interesting and exciting.

1. **Title and Cover page:** To start with, give an encaptivating tagline to your blog.
2. **Landscapes, the untouched beauty:** Karnataka and Gujarat boast of diverse landscapes. Karnataka offers serene beaches in Gokarna, ancient ruins in Hampi, and lush forests in Dandeli. Meanwhile, Gujarat showcases pristine beaches in Diu, expansive deserts in the Rann of Kutch, and vibrant villages in Bhuj.
3. **Exuberant culture:** Karnataka's culture shines through Hoysala temples and Mysore Dasara, while Gujarat dazzles with Adalaj step wells and Navratri Celebrations.
4. **Timeless Heritage:** Explore Karnataka's history through Hampi's ruins and Gujarat's forts, temples, freedom struggle, and white revolution.
5. **Delights:** Savor Karnataka's dosas and Mysore Pak, and Gujarat's Dhokla and Jalebi, each dish telling tales of tradition and flavor.
6. **Wild Wonders:** Encounter wildlife in Karnataka's Bandipur and Gujarat's Gir Forest, home to Asiatic lions.
7. **What's in the news:** Stay updated with the latest happenings in both states through our daily news segment. Read the newspapers daily, cut out the articles based on these states, and add it in your last segment.

What gives you an edge over the other bloggers is exploring and sharing new discoveries with the readers. Make an attempt to mention facts that were not explored by any other till now!

Happy Blogging!

Rubrics:

Relevance of the content	2 marks
Creativity and layout	2 Marks
Timely submission	1 mark
Total Marks	5 Marks

Art Integration

MATHEMATICS :

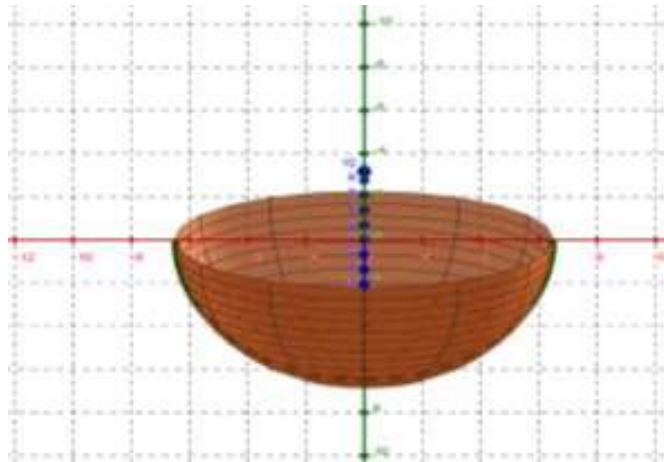
COCONUT SHELL MATH

The Andaman and Nicobar group of Islands are situated in the Bay of Bengal spreading in an arch from North to South . The coconut is one of the main plants found in the Andaman and Nicobar Islands of India. In some islands, it even occurs as natural forests. According to scientists, while the plant is cultivated in the valleys and coastal areas of the Andman group of islands, it is grown in the coastal areas and beach forests in the Nicobar islands.

Not long ago, the local industries department at Port Blair initiated training in making articles out of coconut shells. The items, which include table lamps, finger bowls and other objects, have become quite popular. Jewelry made of coconut shells is another possibility, which may find an overseas market. As coconut trees are available in large numbers , they are the best natural resources for handicrafts of Andaman & Nicobar.

Let's explore a little more and create some decorative items with coconut shells.

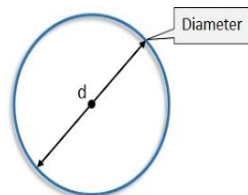
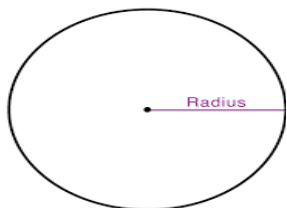
Pick a coconut and break it into two pieces. With the help of a thread or a scale measures its radius. (The distance from the center to any point on the circle is called the radius of the circle.



Radius

Radius of a Circle

MATI



Video link to understand the radius and diameter of a circle.

<https://youtu.be/Yb1HYyBfLfc>

Diameter of the circle = 2 x Radius of the circle .

Measure the radius and diameter of the coconut shell.

Write the distance of radius and diameter in centimeters and millimeters.

Use coconut shells to create a decorative item .



SOCIAL SCIENCE:

Create a visually engaging artwork using sea shell art to represent the interconnectedness of Earth's spheres and briefly explain the relationship between each sphere.

Materials Needed:

- A4 size cardboard sheet
- Sea shells
- Glue
- Markers or pens
- Optional: colored paper or paint for additional details



हिन्दी -

अंडमान और निकोबार द्वीप समूह के विशाल समुद्र तट सीपियों से भरे हुए हैं। जिनका उपयोग सुंदर वस्तुएं बनाने के लिए किया जाता है। इन सीपियों से सजावटी सामान जैसे टेबल लैंप, शोपीस, बक्से और ऐशट्रे के साथ-साथ चूड़ियाँ और नेकपीस जैसे आभूषण बनाए जाते हैं। उपरोक्त जानकारी का प्रयोग कर सीपियों, शंखों व मोतियों का प्रयोग करके कोई 3 आभूषण बनाएँ उसको बनाने का तरीका, प्रयोग की जाने वाली सामग्री, सुंदरता, प्रयोग व इसे बनाने के अपने अनुभव को कहानी के माध्यम से प्रस्तुत कीजिए। कहानी की शब्द सीमा 100-120 होनी चाहिए।

आवश्यक सामग्री -

- रंगीन कागज़
- रंगीन चित्र
- कलम
- सीपी, शंख व मोती
- धागा



मूल्यांकन बिंदु

रचनात्मकता/मौलिकता	2
विषय वस्तु/ भाषा शैली	2
समयावधि	1
कुल अंक	5

