



**BHAI PARMANAND VIDYA MANDIR**

**HOLIDAY**



**2024**



# BHAI PARMANAND VIDYA MANDIR

## HOLIDAY HOMEWORK

### CLASS IV

(2024-25)

THEME: DISCOVER AND EXPERIENCE DIVERSITY

#### TIPS FOR CHILDREN

1. God gives us 24 hours in a day, let us take out a few minutes for Him and thank Him for the happy moments.....also ask Him to give us strength to cope up with our difficulties.
2. Don't be lazy....and avoid becoming a couch potato!! Do exercise and be fit and healthy. Revise all the concepts done in the class.
3. Reading is fun and it helps us develop our vocabulary.... Make it a habit to read story books.

#### TIPS FOR PARENTS

1. Give your child saplings and ask them to plant them and water them and see them grow. Encourage them by saying that they will be presented with gifts for their good deeds.
2. Make them sit by you and ask them what their needs are and satisfy some of the useful ones and explain to them which ones are essential and which ones are not. Give them a feeling that you are there for them.

### ENGLISH

#### 1. Diversity in Literature

Read any storybook written by David Walliams during the holidays. Write a short summary or review of the book on A4 coloured sheet (in about 150-200 words), focusing on how the story reflects diversity and what you have learned from it.

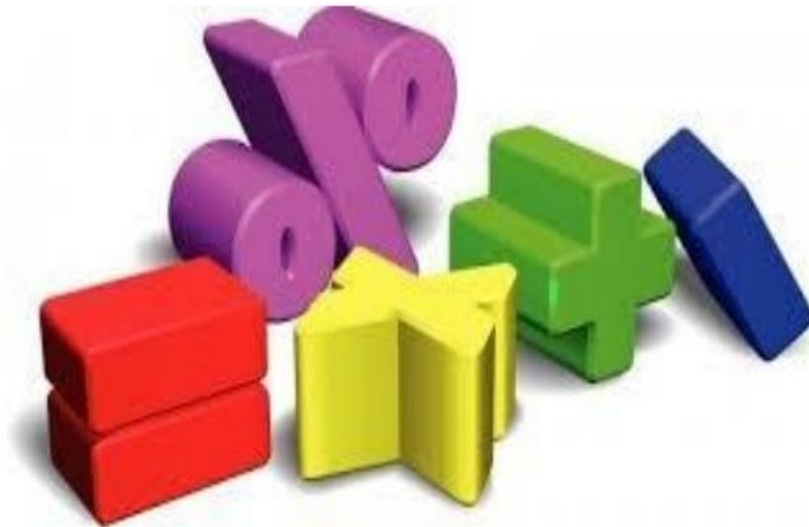
#### 2. Virtual Tour

Take a virtual trip to any museum online, discovering art and history right from your couch. After exploring different exhibits, share your thoughts in a paragraph

writing. Describe your favourite parts, explaining why they caught your eye. Write about how the artwork or artifacts made you feel and what you learned from them.

## MATHEMATICS

### Task A



1. Make a **Crossword Puzzle** involving four basic mathematical operations i.e. Addition, Subtraction, Multiplication and Division.
2. **Operation Hunt** Flash cards: Frame any 2 Word problems each of the above-mentioned operations and write the name of the operation on the back of the flash cards of size 5X5 inches.

**Task B: Collect information about the languages spoken by 10 families in your neighborhood and write down it in the following tabular form.**

S.No	Name of the family	Language spoken at home
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		

- **Draw a pictograph for the above data. Choose your own key.**

Now answer the following questions based on the information collected

- Which language is spoken by the most number of families?
- If the number of families speaking each language follows a pattern and doubles every year, how many families will speak the first language in 3 years?
- Which language is spoken by the least number of families?
- If you were to represent the families speaking each language with blocks, and each block represents one family, how many blocks would you need for the first language?
- How many families speak a language that is spoken by more than 3 families?
- If you need to form groups for a language club and each group should have exactly 2 families, how many groups can you form for Language A? Will there be any families left without a group?
- If each family has 2 children, how many children speak the 4th language?

# SCIENCE

## TASK 1- Model Making

- **Make a working/non-working model on the topic allotted to you as per your roll number and be ready to explain the functioning and mechanism of your model after the vacation.**
- **Ecosystem Diorama (Roll No 1-5): Create a three-dimensional model of an ecosystem of your choice, demonstrating the interdependence of organisms and their environment.**
- **Excretory System (Roll No 6-10): Make a working/non-working model of human excretory model and learn the function of each involved.**
- **Hydroelectric Dam (Roll No 11-15): Build a 3D model of a hydroelectric dam to demonstrate how water energy is converted into electrical energy.**
- **Greenhouse Effect Model (Roll No 16-20): Build a model of a greenhouse to demonstrate how it traps heat and provides a controlled environment for plant growth.**
- **Solar System Model (Roll No 21-25): Create a three-dimensional model of the solar system and learn 10 interesting facts about our solar system.**
- **Insect Life Cycle Model (Roll No 26-29): Make a 3D model of the life cycle of an insect (Roll no. 26-Cockroach, Roll no. 27-Grasshopper, Roll no. 28 Butterfly, Roll no. 29 Butterfly)**
- **Electric charging station using solar panels (Roll No 30-35): Build a 3D model of an electric vehicle charging station to demonstrate how electric cars are powered and the importance of renewable energy sources.**
- **Air purifier (Roll No 35-40): Build a model of an air purifier to demonstrate how air filtration systems work to clean and improve air quality.**
- **Digestive System Model (Roll No 40-45): Make a working/non-working model of the human digestive system to demonstrate the process of digestion and how nutrients are absorbed by the body.**

# **SOCIAL STUDIES**

## **PROJECT (RESEARCH) WORK:**



## **TOPIC:- EMBRACING DIVERSITY: A CULTURAL EXPLORATION ADVENTURE**

**DESCRIPTION:-** Make a Project on the topic :-

**EMBRACING DIVERSITY: A CULTURAL EXPLORATION ADVENTURE.**

### **METHODOLOGY:-**

**Task I :-** Refer to the following list in order to find the state assigned to you based on your roll number:

**1. States according to Roll no:-**

- a) Roll no:- 1 to 5      Rajasthan
- b) Roll no:- 5 to 10      Kerala

- c) Roll no:- 11 to 15      Sikkim
- d) Roll no:- 16 to 20      Jammu and Kashmir
- e) Roll no:- 21 to 25      Madhya Pradesh
- f) Roll no:- 26 to 30      Uttarakhand
- g) Roll no:- 31 to 35      Gujarat
- h) Roll no:- 36 to 40      West Bengal
- i) Roll no:- 41 to 46      Maharashtra



## 2. Research and create a PowerPoint presentation.

Following topics should be covered in the PPT:-

1. Geography, climate, and landmarks of the state.
2. Population and major cities.
3. Languages spoken and common phrases.
4. Traditional clothing, food, and popular dishes.
5. Customs, festivals, and celebrations unique to the culture.

### Task II:- Try to answer the following questions:-

- How do the geographical features of the state, such as its mountains and rivers or coastline, influence its climate and weather patterns?
- In what ways do the landmarks contribute to the state's identity and tourism industry?
- What are some traditional clothes that people wear during special occasions in the state, and why do they wear them?
- Can you name a popular dish or food that people in the state love to eat, and why do you think it's so popular?
- How do people celebrate the famous festival of the state, and what's its significance?

### Task III:- Be creative! Make the project attractive and presentable.

Revise the chapters done in the class so far.

Chapter 1:- I Love my India

Chapter 2: The Northern Mountains

Chapter 19: Local Self- government in cities

# ART

To keep your child engaged, let him complete the activity 4, 7, 8, 9 and 10 in the Art File.



## भाई परमानंद विद्या मंदिर

हिंदी ग्रीष्मकालीन अवकाश गृहकार्य (2024 -25)

कक्षा - चौथी

विषय - हिंदी

**सामान्य निर्देश :** मूल्यांकन हेतु ग्रीष्मकालीन गृहकार्य समस्त विद्यार्थियों के लिए अनिवार्य है।

- ❖ अभिभावकों से निवेदन है कि छात्रों का उचित दिशा में केवल मार्गदर्शन करें।
- ❖ क्रमानुसार सभी प्रश्नों के उत्तर शुद्ध वर्तनी में पूर्ण कीजिए।
- ❖ सभी गतिविधियों को स्पष्ट व सुंदर लेख में करना अनिवार्य है।
- ❖ समस्त कार्य **A4 आकार के पृष्ठ पर** करें।

**विषय- विविधता की खोज व अनुभव**

विविधता नए विचार और अनुभव लाती है और लोग एक दूसरे से सीख सकते हैं। विभिन्न विचारों और दृष्टिकोणों को लाने से समस्या-समाधान बेहतर होता है। विविध समुदायों का साथ में काम करने से बातचीत बढ़ती है और रचनात्मकता को बढ़ावा मिलता है। विविधता का मूल्य हमारी संस्कृति के लिए भी सही है। विविधता में एकता ही हमारे भारत देश की पहचान है।

**कार्य - 1** भारत के एक राज्य की विशेषताएँ आप अपने अनुक्रमांक के अनुसार १०-१२ पंक्तियों में लिखिए।

राज्य	अनुक्रमांक
● राजस्थान	१-५
● केरल	६-१०
● सिक्किम	११-१५
● जम्मू और कश्मीर	१६-२०
● मध्य प्रदेश	२१-२५
● उत्तराखंड	२६-३०
● गुजरात	३१-३५
● बंगाल	३६-४१

उपविषय - कहानी

२. उपरोक्त लिंक में दी गई कहानी को ध्यानपूर्वक पढ़कर निम्नलिखित प्रश्नों के उत्तर लिखिए-

(क) अगर आप भोलू की जगह होते तो क्या करते? अपना उत्तर ७०-८० शब्दों में लिखिए।

(ख) इस कहानी से मिलने वाली सीख ३०-४० शब्दों में लिखिए।