

**MPVM GANGA GURUKULAM**

**Holiday Homework**

**Class 9th. - Session 2025-26**

**Subject-English**

**Assignment1.** Read the novel 'Oliver Twist' by Charles Dickens and answer the following questions in about 100-120 words in a file sheet:-

- i. Who are the major characters in 'Oliver Twist', and what are their roles in the story?
- ii. How does the novel's exploration of morality and ethics challenge contemporary framework?

**Assignment 2** Read the novel 'Harry Potter and the Philosopher stones' by JK Rowling and answer the following questions in about 100-120 words-

- i) How does J.K Rowling create a sense of wonder and magic in the Wizarding world?
- ii) How does the novel portray the importance of education and learning both in terms of magic skills and broader life lessons?

**Assignment3.** Read newspaper for 10 days and write one news for each day under the given headings: National, International and Sports and express your views on any one heading.

**Assignment4.** \*Art Integrated Project\*

Collect information about the musicians, musical instruments and folk music of Arunachal Pradesh and Meghalaya. Paste /Draw relevant pictures and write about them in about 200-250 words.

**Assignment 5**

Complete the exercises given on pages-16-19, 28 and 29 of the book 'Words and Expressions'

\*Note\* : Do the given homework in file sheets.

**Subject – Hindi**

ग्रीष्मावकाश गृहकार्य

1- मई / जून माह के समाचार- पत्र से खेलकूद संबंधी कोई पांच समाचार काटकर चिपकाइए और उन पर अपनी राय लिखिए।

2- मेघालय के पारंपरिक परिधान तथा लोक नृत्य का उत्तर प्रदेश के पारंपरिक परिधान तथा लोक नृत्य से तुलना करते हुए चित्र बनाइए या चिपकाइए और उसका 5-6 पंक्तियों में हिंदी में वर्णन कीजिए।

3- कबीर के द्वारा दी गई वे प्रमुख शिक्षाएं, जिससे आप प्रभावित हो लिखिए एवं उनका आपके जीवन पर हुए प्रभाव का वर्णन लगभग 200 शब्दों में करिए।

## Subject –Mathematics

Q1. Make a list of three dimensional solid objects at your home which are in form of sphere, hemi-sphere, cylinder and cone.

From above list, select any 3 measurable object and find its curved surface area.

Q2. Draw square root spiral on a chart paper showing square root of 2,3,4,5,6 & 7. Use colour pencil to label it and for decoration wherever possible.

Q3. On a graph paper, mark X-axis & Y-axis with the suitable scale. Assume that your house is located at origin of this graph then show the location of your neighbours on it.

## Subject- Science

1. On the basis of laws of genetics given by Mendel, there are some hereditary characters which are passed from parents to their offspring

Hereditary characters	
1. Hairy type	Wavy /straight
2. Cleft chin	Yes/No
3. Ear lobe	Free/Attached
4. No. of fingers	Six/five
5. Tongue roll	Yes/No
6. Blood group	A/B/AB/O

On the basis of above characters make table of at least 3 families mentioning the characters present or absent in them. These traits are inherited, that means probably you must have inherited some of the traits from your parents, grandparents. Interview your siblings, parent, grandparents, uncle, aunt or other relatives and see which traits you share.

My Family Trait Table

Trait/character	You	Mother	Father	sibling	sibling	Other relative	Other relative
1. Hairy type							
2. Cleft chin							
3. Ear lobe							
4. No. of fingers							
5. Tongue roll							
6. Blood group							

\*Note-do the above project in A4 sheet and paste pictures related to this project showing inherited characters of yours and your relatives.

2. Conduct a survey and investigate the method and practices implemented by farmers, stakeholders and consumers regarding the storage of grains.

Your project should be based on the following key areas:

- (a) Sampling – type of grain, quantity of grain, duration of storage
- (b) Data collection
- (c) Pest management
- (d) Post-harvest losses
- (e) Storage practices

\*NOTE – For the above project, visit farmers place, granary shops, and homes of consumer, take interview regarding the above criteria. Collect samples, click pictures of the place along with the owner and you, paste it in your project. Write all the research work in A 4 sheets.

3.Observe and analyze the examples of Newton's laws of motion in your house.

State five such cases along with their description. Your facts should be supported by relevant pictures and figures.

4.'Energy transformations ' are a significant part of human life. Discuss at least five cases in which multiple energy transformations take place for human needs. (Examples can have working of various appliances too).

5. Conduct a survey within your households to list the common cleaning products used (e.g. floor cleaner ,detergents ,dishwashing liquids). For the each products ,see the label mention any specific chemicals (e.g. ammonia ,phosphate)write their chemical composition and research their effects on health and environment.

6. Topic : The chemistry behind food preservation

I) enlist any three common food preservative found at your home(e.g. NaCl)

II) Write the chemical composition of each and discuss on what are the other uses of these chemicals.

### **Subject – Social Science**

#### **1. GENERAL GUIDELINES:**

All the questions must be done in the most creative, accurate and innovative manner.

The activities must be done in the project files itself.

Usage of pictures and graphs is compulsory for the activities

#### **Project No-1 INTERDISCIPLINARY PROJECT**

Prepare a report on the topic for **interdisciplinary project** with pictures.

Chapters – 1 Forest, Society and Colonialism

1. Natural Vegetation and Wildlife

Tribal life , living style, how they used forest products, Biodiversity and type of forest.

2. Students are required to create a model on the given topic “Rich Heritage of India”

The model should be creative ,informative and well presented.

## **Project No -2 ART INTEGRATED PROJEC**

Imagine that during your trip to **Arunachal Pradesh** you saw and met people from various tribes. Make information sheets on the tribes of above-mentioned state.

- Traditional Dresses
- Festivals
- Monuments
- Folk Dance and Musical instruments

## **Project No-3 DISASTER MANAGEMENT**

Prepare a Man-made disaster management project

### **Topic of the project – “ Rail Accidents in India”**

While preparing the project focus on these following points –

- ☐ A statistical analysis of Rail accidents in India.
- ☐ Various causes of Rail accidents
- ☐ How to protect Rail accidents
- ☐ Signs and symbols to become a well informed civilian
- ☐ Safety measures to be upgrade in Indian Railway
- ☐ Duties and responsibilities of Passengers

### **Subject – Artificial intelligence**

Make a presentation on the topic – “Sustainable Development”.

Cover following topics:

1. Introduction
2. Need for Sustainable Development
3. Dimensions of Sustainable Development
4. Sustainable Development Goals

**Note: Design one slide for each topic and explain in brief. Submit the printout of this.**

**OR**

Design a Chart on the topic "**Real Life AI Applications**".

Try to cover use of AI in Healthcare, Content Creation, Chatbot and virtual assistant, AI in Autonomous Vehicles, AI in GPS, AI in Sales and Marketing, AI in Gaming, AI in Agriculture, AI in Robotics etc.

**Note: Use chart paper for this and submit it to subject teacher.**

### **Subject – PHYSICAL ACTIVITY TRAINER**

1. Complete the notebook of Part A(Employability skills)

Unit 1: COMMUNICATION SKILLS.

2. Complete the notebook of part B

Unit 1: Role of physical education in child development.

**@@ PRACTICAL WORK @@**

**# Draw the communication channel on chart paper.**

**@WRITE DOWN IN YOUR NOTEBOOK**

- # Prepare a fun activities for early stage children.
- # design an activity to develop passing or throwing skills for early stages children.
- # prepare a schedule for any theme-based event assembly for 30 to 40 minutes.
- # List down the name and use of equipments name and their uses in daily life or in sports activities.

## **Subject – Design Thinking and Innovation**

### **Assignment 1- Capture Expression**

Shoot and select 4 photos to capture different expressions mentioned below:

- . Happiness
- . Sadness
- . Funny
  
- . Action (capture something in motion)

Make a picture collage of the photos

### **Assignment 2- Capture A Story**

Shoot 10 pictures in a series to narrate a story. It can be documentation or the process of making something, an event or celebration etc. The characters, expressions, environment must be proper shots. Arrange the photos in a sequence to narrate or document a story.

Prepare a Power Point presentation for the story.