*No more books, no morning bell,*
*Summer's here, and all is well!*
*Time to play and time to rest,*
*Days like these are truly the best.*

*Ice cream melts in sunny hands,*
*We build castles in the sand.*
*Swimming pools and lemonade,*
*Under trees, we find cool shade.*

*Trips to Grandma's, fun and games,*
*Running wild, no rules, no shame!*
*Storybooks and songs at night,*
*Stars above are shining bright.*

*Picnics packed with treats to share,*
*Laughter floating in the air.*
*Summer's magic, pure delight,*
*From sunny morn to starry night!*

- **Appreciate Nature -** Go for long walks in a park or garden with your family and friends. Adopt/Grow a plant.

- **Unravel the artist in you -** Create a new story, try a new recipe with your mom, learn a new song, play a new instrument.

- **Good manners is the key -** Respect your parents, grandparents and all elders. Use three magical words (Sorry, Please and Thank you) often. 'A little more courtesy goes a long way.'

- **Stay Fit, Stay Healthy -** Play your favourite game / sport regularly. Develop in yourself the spirit of sportsmanship & sense of healthy competition.

- **Learn about our Heritage –** Find some time to visit museum and monuments. Read about them. Learn new things related to your country.

- **Save Nature –** Contribute to save our precious environment. Minimize the wastage of resources like water and fuel.

- **Effective English Communication–** Encourage your ward to converse in English as a regular practice during holidays to enhance the 3C's of communication (confidence, clarity &courteousness).

Happy Holidays!!
Regards
Team Mount Columbus

# ENGLISH

## 1.Vocabulary Jar

"If each new word were a magical gem, what treasure will you collect in your vocabulary jar?"

On an A4 size sheet make two vocabulary jars, collect 10-15 new English words from books, newspaper or show.

Write their meanings in another jar and decorate each word and store them in creative jar.

## 2. Comic Strips

"Illustrate a pivotal moment in King Lear where one of his daughters, Cordelia, Goneril, or Regan, interacts with Lear, highlighting the complexities of their relationship and the theme of a daughter's love.

Design a comic strip showing the love of all three daughters for their father King Lear.

(Take reference from chapter- A Daughter`s Love)

## 3. Book Cover

"If a single moment from a cricket match could tell an entire story, what would that moment look like on a book cover?"

Design a book cover on the theme `THE CRICKET MATCH`.

## 4. Complete the worksheets given below: ENGLISH GRAMMAR COMPOSITION

| Worksheets | Page no. |
|---|---|
| Worksheet 1- Sentences | 2 |
| Worksheet 2- Phrases & Clauses | 3 |
| Worksheet 3- Determiners | 4 |
| Worksheet 4- Indefinite Pronouns | 5 |
| Worksheet 5- Subject-Verb Agreement | 6 |
| Worksheet 6- Modals | 7 |

## 5. Reading Enhancement- Read any one famous novel of William Shakespeare

      a. Hamlet        b. A Midsummer Night`s Dream

      c. King Lear        d. The Merchant of Venice

# हिन्दी

## ग्रीष्मावकाश गृहकार्य पुस्तिका

| क्रम संख्या | विषय | कार्यपत्रक संख्या/पृष्ठ संख्या |
|---|---|---|
| 1 | शब्द-भंडार | अभ्यास पत्र संख्या-1/पृष्ठ संख्या-2 |
| 2 | शब्द-भंडार | अभ्यास पत्र संख्या-2/पृष्ठ संख्या-3 |
| 3 | शब्द-भंडार | अभ्यास पत्र संख्या-3/पृष्ठ संख्या-4 |
| 4 | उपसर्ग | अभ्यास पत्र संख्या-4/पृष्ठ संख्या-5 |
| 5 | प्रत्यय | अभ्यास पत्र संख्या-5/पृष्ठ संख्या-6 |
| 6 | अपठित गद्यांश | अभ्यास पत्र संख्या-12/पृष्ठ संख्या-13 |
| 7 | पत्र लेखन | अभ्यास पत्र संख्य-14/पृष्ठ संख्या-15 |

परियोजना कार्य

नोट-- ए- फॉर साइज़ शीट में करेंगे

➢ भारत के मानचित्र पर सभी राज्यों के मुख्य नृत्य का चित्र, नाम लिखना, बोली जाने वाली भाषा के साथ क्ले की सहायता से मिनिएचर बनाइये
➢ गुरु की महत्ता को स्पष्ट करते हुए सुविचारों को लिखते हुए पांच बुक-मार्क बनाना।

# संस्कृत

1. एकविंशतितः पञ्चाशत् पर्यन्तं संख्या-वाचकशब्दाः लिखत ।
2. देव तथा रमा इत्येतयोः शब्दरूपाणि लिखत।
3. परिवारस्य दश सदस्यानां सह सम्बन्धशब्दाः संस्कृतभाषायाम् लिखत।
4. दश पुष्पनामानि च दश पशूनां नामानि च संस्कृतभाषायां लिखित्वा तेषां हिन्दी-अर्थं अपि लिखत।
5. दश अव्ययशब्दान् लिखित्वा  हिन्दी-अर्थं अपि लिखत।
6. शरीरस्य दश-अङ्गानामानि संस्कृतभाषायां लिखित्वा तेषां हिन्दी-अर्थं अपि लिखत।
7. मानव शरीर 3D मॉडल" तैयार करें ।
(i) चार्ट पेपर या कार्डबोर्ड से शरीर का 3D मॉडल बनाएं।
(ii) अंगों पर फ्लैप लगाएं, जिन्हें उठाने पर अंग का संस्कृत नाम और हिन्दी का अर्थ लिखा हो।
नोट- प्रश्न संख्या 1 से लेकर 6 तक सभी प्रश्नों को A4 आकार की शीट पर करें ।

## MATHEMATICS

**PROJECT WORK**

**Create a disc using cardboard to show pie chart of the marks that you got in your final exams last year. (Show at least 5 subjects)**

**Or**

**Make a list of your daily routine (how you spend your day) in your summer vacation & present it in the form of disc. (pie chart)**

**HHW BOOKLET**

| S.NO | TOPIC | WORKSHEET NO./PG NO. |
|------|-------|----------------------|
| 1. | Exponents | Worksheet No. 1, Pg No. 2 |
| 2. | Radicals | Worksheet No. 2, Pg No. 3 |
| 3. | Percentage and Applications | Worksheet No. 8, Pg No. 9 |
| 4. | Data Handling | Worksheet No. 21, Pg No. 22 |
| 5. | Probability | Worksheet No. 22, Pg No. 23 |

## SCIENCE

**HHW BOOKLET**

| S.No. | Chapter Name | Worksheet No. | Page |
|-------|--------------|---------------|------|
| 1. | Crop production & management | 1 | 2 |
| 2. | Coal & petroleum | 5 | 6 |
| 3. | Cell structure & function | 8 | 9 |

### PROJECT WORK

**1. "Organelles and Me" Self-Comparison Chart (to be done in the science notebook)**

- Create a **2-column table**:
  - Left side: Name of organelle and its function.
  - Right side: How a similar task happens in your body or life.
- Example:

| Organelle, its function | My Life |
|-------------------------|---------|
| Mitochondria: Gives energy | I eat food to get energy. |

## SOCIAL SCIENCE

**HHW BOOKLET**

| S NO. | Topic | Worksheet no. /Page no. |
|-------|-------|-------------------------|
| 1. | Civics | Worksheet 4/ Pg No.5 |
| 2. | Geography | Worksheet 5/ Pg No. 6 |

**PROJECT - My Family through Time" (A Journey across Three Generations)**

**Dear Students,**

**Travel back in time through your family's story! Discover how life — homes, holidays, fashions, schools, and even food — has changed across three generations:**

- **Your grandparents' time**

- **Your parents' time**

- **Your own time**

**Steps to be followed -**

    **• Create a beautiful report on your family history.**

    **• Divide your work into three sections: Grandparents' Era, Parents' Era, and Your Era. For each section, explore and describe topics listed below.**

1. **What kind of houses did they live in?**

2. **What vehicles did they own (if any)?**

3. **What were the public transport options?**

4. **What means of communication did they use (telephone, telegram, letters)?**

5. **What were their food habits? (Home-cooked, fast food, restaurant eating?)**

6. **What type of family system existed (joint or nuclear)?**

7. **How was the water supply and purification done?**

8. **What were the popular brands for household goods?**

9. **What popular monuments they talk about?**

10. **Name of the newspapers they used to read.**

**Include write ups and photos from your family albums (you can scan them) or find suitable pictures from the internet. Make it colourful, creative, and full of real stories and details!**

**Note – Submit your project handwritten or typed in a folder on A4 size sheets.**

## ARTIFICIAL INTELLIGENCE

Complete any one out of the given three projects.

Go to the link 👆

https://docs.google.com/document/d/e/2PACX-1vQn5WzPzB-Zbi6iJIz9gV8FyvNzRr_E4R-WTLGx75P-wG_nFwER7-IFzou11IPj3Ez8rCK8D6AY1uwu/pub

Choose one project from above link and submit it at Naushad.mtcolumbus@gmail.com

## INFORMATION TECHNOLOGY

**June Weather Database and Analysis**

**Objective:** To develop practical IT skills by collecting, organizing, analyzing, and presenting weather data for the month of June. This project will involve data entry, database creation, data representation, and report writing, culminating in a physical report.

**Tasks:**

**Phase 1: Data Collection (Throughout June)**

1. **Daily Weather Observation:** Students will observe and record the following weather parameters daily for the entire month of June. They can use reliable sources such as:

    ○ Local weather forecasts (online websites, apps, newspapers)

- Direct observation (if they have access to simple instruments like a thermometer)
- Reputable weather websites that provide historical data (for end-of-day recording)

2. **Data Points to Record:** For each day of June, students should record the following information in a notebook or a digital spreadsheet (like Google Sheets or Microsoft Excel):

   - **Date:** (e.g., 2025-06-01)
   - **Day of the Week:** (e.g., Monday)
   - **Maximum Temperature (°C):** The highest temperature reached during the day.
   - **Minimum Temperature (°C):** The lowest temperature reached during the night or early morning.
   - **Average Humidity (%):** The average level of moisture in the air during the day.
   - **Wind Speed (km/h):** The average speed of the wind during the day.
   - **Precipitation (mm):** The amount of rainfall received during the day (if any). If no rain, record "0".
   - **Sky Condition:** A brief description of the sky (e.g., Sunny, Cloudy, Partly Cloudy, Overcast, Foggy).

## Phase 2: Database Creation

1. **Choose a Database Software:** Students can use a simple and user-friendly database software. Some free options include:

   - **LibreOffice Base:** A component of the free LibreOffice suite.
   - **Microsoft Access (if available):** Part of the Microsoft Office suite.
   - **Online Database Tools (e.g., Google Sheets can be used as a flat-file database for this project).**

2. **Design the Database Table:** Students will create a table named "JuneWeather" with the following fields (columns) and appropriate data types:

   - Date (Date)
   - DayOfWeek (Text)
   - MaxTemp (Number)
   - MinTemp (Number)
   - AvgHumidity (Number)
   - WindSpeed (Number)
   - Precipitation (Number)
   - SkyCondition (Text)

3. **Enter the Data:** Students will carefully enter the weather data collected throughout June into the "JuneWeather" table.

## Phase 3: Data Representation

1. **Choose Appropriate Charts/Graphs:** Students will use the database or spreadsheet software to create at least three different types of charts or graphs to visually represent the weather data. Examples include:

- **Line Graph:** To show the trend of maximum and minimum temperatures over the month. (Date on the X-axis, Temperature on the Y-axis - two lines on the same graph).
        - **Bar Chart:** To compare the total precipitation for each week of June. (Week number on the X-axis, Total Precipitation on the Y-axis).
        - **Pie Chart:** To show the percentage of days with different sky conditions (e.g., Sunny, Cloudy, Rainy).
        - **Scatter Plot:** To explore the relationship between two variables (e.g., Humidity vs. Temperature).
    2. **Labeling and Formatting:** All charts and graphs should have clear titles, axis labels, and legends (if necessary) to be easily understandable.

## Phase 4: Report of Findings (Physical Report on A4 Sheets)

Students will write a report summarizing their observations and findings from the weather data. The report should be neatly written or printed on A4 size paper and include the following sections:

1. **Title Page:** Including the student's name, class, section, subject (IT), and the project title ("June Weather Database and Analysis").

2. **Introduction:** Briefly state the purpose of the project (to study the weather patterns of June) and the methodology used (data collection, database creation, and analysis).

3. **Data Collection Process:** Describe the sources used for collecting weather data and any challenges faced during the data collection process.

4. **Database Design:** Explain the structure of the "JuneWeather" database table, including the field names and their data types. Include screenshots of the database table printed on A4 sheets if possible.

5. **Data Representation and Analysis:** The generated charts/graphs should be neatly printed and included in this section. Each visual should be accompanied by its description and analysis of the trends and patterns observed. For example:

    - What was the hottest day of the month? The coldest night?
    - Which week had the most rainfall?
    - What was the most common sky condition?
    - Is there any noticeable relationship between temperature and humidity or wind speed?
6. **Conclusion:** Summarize the key findings about the weather in June based on the collected data and analysis. Mention any interesting observations or anomalies.

7. **Suggestions for Improvement (Optional):** If students have any ideas on how this project could be improved in the future, they can include them here.

**Submission Guidelines:**

Students need to submit the following:

- **Weather Data Records:** The original record of daily weather observations (notebook pages or a printout of the spreadsheet).
- **Database File (Digital):** If a database software (like LibreOffice Base or Microsoft Access) was used, the digital database file should be submitted separately (e.g., on a USB drive or via a designated online platform, as per your instructions). If Google Sheets was used, a shareable link should be provided.
- **Physical Report (on A4 Sheets):** A neatly written or printed report on A4 size paper, containing all the sections outlined above, including printed charts/graphs and database screenshots (if applicable).

## ART AND CRAFT

| S.No. | Worksheet | Topic | Page No. |
|-------|-----------|-------|----------|
| 1. | 1 | Flower | 2 |
| 2. | 2 | Gesture Drawing | 3 |
| 3. | 3 | House of Worship | 4 |

**1. Make a creative 3D craft from old newspapers.**

**2. Prepare flowers bouquet with foam clay.**