

**Suditi Global Academy, Mainpuri**  
**Summer Home Assignment (2024-25)**  
**Class-9<sup>th</sup>**

**Subject: Hindi**

**नोट-दिए गए ग्रीष्मकालीन परियोजना कार्य को एक हस्त निर्मित फाइल में संकलित करें।**

**प्रश्न 1-**हिंदी के 12 महीनों के नाम लिखें तथा जिस महीने की कोई खास विशेषता हो उसे उसकी विशेषता के अनुसार सचित्र दर्शाएं।

**प्रश्न-2** जैसा कि हम सभी जानते हैं कि हमारा समाज पुरुष प्रधान समाज है।स्त्री का स्थान हमेशा पुरुष से नीचे रहा है। हालांकि आज पहले की स्थिति से हमारे समाज में स्त्रियों की स्थिति में बदलाव आया है। इसकी पुष्टि करने के लिए 'मर्दानी टू' मूवी देखें और यह विचार करें कि क्या स्त्रियों को पूर्ण अधिकार प्राप्त हो चुके हैं, या अभी भी कुछ खामियां हैं जो स्त्री उत्थान में बाधक हैं।

**Subject: English**

1-The students are directed to read newspapers and magazines daily and update themselves with the current affair.

2-Read anyone of your favorite book and write a book review of the same.

3-Design an attractive cover page of the book review written.

4-Write a descriptive paragraph about the place you have visited in summer vacation.

5-Write a diary entry at least about five memorable days of summer vacation.

Activity-Plan a get together party to be held at your place.

Make a list of things you will require using determiners.

Ex.-1- I called up all my friends for the party.

2- Some of them didn't come.

**Subject: Mathematics**

**NOTE:**

**a.** Work to be done neatly, creatively and under parental supervision while surfing the internet.

**b.** Do any two project work out of first three and fourth is compulsory.

1.Mathematical Collage: Make a collage using images from magazines or printed materials to represent rational and irrational numbers visually. Arrange the images along a number line to demonstrate their placement in relation to each other.

2. Create a visual representation of a forest where each tree represents a polynomial expression.Label the trees with different polynomial expressions, monomial, binomials, trinomials and polynomial, Create a graphical representation of polynomial functions on a large poster or canvas. Choose several polynomial functions of varying degrees, number of variables, constant polynomial, zero polynomial and graph them using different colors or patterns.

3. Create a poster or infographic that visually represents different identities and its applications.

4. Watch a popular movie based on mathematics is "Good Will Hunting" (1997), directed by Gus Van Sant. It follows the story of a janitor at MIT who has an extraordinary talent for mathematics.

### **Subject: Science**

#### **Physics:**

##### **Motion:**

- Conduct an experiment to measure and calculate the speed of different objects (e.g., toy cars, marbles) using simple materials like a stopwatch and measuring tape.
- Create a presentation or poster showcasing different types of motion observed in daily life (e.g., motion of planets, swinging pendulum, falling objects).

#### **Biology :**

##### **The Fundamental unit of life, Cells:**

- Prepare a model or diagram illustrating the structure of a plant and animal cell, highlighting different organelles and their functions.
- Research and present a case study on a specific disease caused by abnormal cell division (e.g., cancer) and discuss its impact on health.

#### **Chemistry :**

##### **Matter in Our Surroundings:**

- Write a short essay or report on the importance of different states of matter in everyday activities (e.g., cooking, transportation, weather phenomena).
- Demonstrate changes of state using simple experiments (e.g., boiling water to show evaporation, freezing water to form ice) and explain the underlying scientific principles.

### **Subject: Social Science**

1. Write down some important points how we control noise pollution, water pollution, soil pollution and air pollution. And also write down what kind of initiative should you take as a responsible citizen of the country.

2. What are the positive and negative effects of mobile phones? Also write down how to reduce negative effects of mobile phone.

3. How does democracy work in rural areas? Explain by giving an example of your village or town. Write down in 250 words.

4. Mainpuri is known as the cancer capital of India. This is a very serious issue for our society. Being an important member of the country, how do you spread awareness among the people of your family and society? Write down some points.

NOTE- Write all the above mentioned activities in a project.

### **Subject: IT**

1. Make a presentation on communication cycle and explain the elements of the communication cycle.
2. Make a presentation on some common body language errors that one should avoid while communicating.
3. Make a presentation on elements of communication cycle. And show there how they can effect our lives.
4. Make a presentation on input device and output device with diagram.

### **Subject: AI**

1. Watch the Movie - (Artificial Intelligence - 2001), and discuss it in class.
2. Play Quick Draw Game and write your own experience with A.I, (Experimental Learning - Human Machine Interaction - Computer Vision).
3. Poster Making - "Future of Education through Artificial Intelligence."

### **Subject: Introduction to FMM**

1. Write the 5 banking share name full analysis every share
2. Read the book rich dad poor dad and best 30 points write .
3. Visit the near bank home and write your experience.

### **Subject: Art**

Assistant Ditails :-

#### 1. Decorated Pot:

- Select a plain clay pot or any other suitable material for your project.
- Use acrylic paints, fabric, embellishments, or any material of your choice to decorate the pot.
- You can draw inspiration from Indian motifs, patterns, or themes to adorn your pot.



## 2. Decorated Traditional Indian Plate

- Select a plain plate or circular canvas as your base for the project.
- Research and explore various traditional Indian art styles such as Madhubani, Warli, Tanjore, Pattachitra, or any other regional art form.
- Create a design inspired by the chosen Indian art style on the plate using appropriate art supplies such as paints, markers, or traditional tools if available.

### Guidelines:

- Pay attention to the intricate details, motifs, and patterns characteristic of the selected Indian art style.
- Incorporate traditional symbols, geometrical designs, flora, fauna

