

Suditi Global Academy, Mainpuri
Summer Home Assignment (2024-25)
Class-10th

Subject: Hindi

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

प्रश्न 1-जीवन में सफलता यूं ही हासिल नहीं होती, इसके लिए अथक संघर्ष की आवश्यकता होती है। जैसा कि 12th फेल मूवी में दिखाया गया है। 12th फेल मूवी देख कर लिखें कि यह मूवी किसके जीवन पर आधारित है और यह आपको क्या प्रेरणा देती है।

प्रश्न-2 आपने पढ़ा होगा कि हर मिट्टी के अपने गुण-धर्म होते हैं। हर फसल एक जैसी मिट्टी में नहीं उगाई जा सकती। आप किन्हीं चार प्रकार की मिट्टी का सैंपल अपनी फाइल में संकलित करें तथा यह भी लिखें कि वह कहां पाई जाती है तथा किस फसल के लिए उपजाऊ है।

Subject: English

Instructions to be followed :This assignment is designed to keep you engaged with English language skills throughout the summer break.

Section A: Reading and Comprehension

1.Choose a novel (minimum 200 pages) from any genre (fiction, non-fiction, classic, contemporary) that interests you. Read the entire book and prepare a short review (2-3 pages) summarizing the plot, characters, themes, and your overall opinion of the book.

Section B: Writing and Grammar

2.Choose a social issue from your locality you feel strongly about (e.g., pollution, poverty, technology dependence). Write a persuasive essay (2-3 pages) convincing the reader of the importance of this issue and suggesting solutions. Also paste the images/ photos which are showing exact situation of that place.

3.Choose 20 sentences from any newspaper or magazine and identify the parts of speech and tense (noun, verb, adjective, etc.) for each word.

Section C: Creativity and Project Work

4.Choose a poem you studied in class this year. Create a visual representation of the poem (drawing, painting, collage) that reflects its meaning and imagery. Briefly explain your artistic choices.

Remember:

- Maintain a neat and organized presentation for all written work.
- Use proper referencing if using quotes or external sources.
- Be creative and have fun with the project activities!

Subject: Mathematics

Interactive Math Game: Participate in an online math game, such as Prodigy or Kahoot. Complete at least 30 minutes of the game and keep track of your progress and send its certificate.

2. Represent different examples of pair of linear equation in two variables having unique solutions, infinite solution and no solution on online graph maker.
3. Watch and write what you have learnt from the movie "The man who knew Infinity"
4. Watch movie "The imitation game"

Subject: Science

Chemistry

1. Read the activities given in Ch-1 NCERT and prepare a 4 minutes video on any one activity based on the activities given or any other innovative activity .Send the prepared video on the teachers Whatsapp no.
2. Prepare a presentation/project on the chemical composition of 10 common medicines and edible items (5 each).Presentation should in soft copy and mailed on teachers' school id or Project should in hard copy.
3. Read the chapter "Chemical reactions and equations" Prepare 20 questions along with answers (soft copy/hard copy). soft copy should be mailed on the teachers Whats no.
4. Prepare a chart on Periodic table .

Biology

1. Prepare a 10days diet chart of everyday meal mentioning the different sources of all nutrients (Carbohydrates, Fats, Proteins, Vitamins and Mineral
2. Take images of plants/trees at your home along with you. Make a collage of those images (hard copy)
3. Prepare a presentation/project on "HUMAN DISEASES" (symptoms, prevention , possible treatment along with the names of medicines and precaution to be taken). Presentation should in soft copy and mailed on teachers' Whatsapp no. Project should in hard copy.
4. Read chapter – Life-processes and make 20 questions along with answers (soft copy/hard copy). soft copy should be mailed on the teachers' Whats app no.

Physics

1. Practice the ray diagrams for the images formed by concave and convex mirror and list the uses of concave and convex mirrors in day to day life. Also list the reason why it is used in that field?
2. Investigatory project: Make a PPT or video with your own voice-over explaining "light as energy resource". Maximum time limit is 5 min and minimum is 3 minutes. Light as energy source. What is the extent at which the world is using this energy source and to what extent it can be further trapped in different fields.

Research may include the following points:-

*Light as renewable source of energy

*Light for photosynthesis

- *Light for marine and aquatic life
- *During night for industries
- *Chemical effects of light
- *Physical effects of light
- *Reaction of living beings towards light

Note- homework is designed as an art integrated project . It is a part of internal assessment so complete the work and submit it on time.

Subject: Social Science

1. Identify your area which kind of soil are using under farming (Make a project file and mention types of crops grown throughout the year)
2. As we know The Lok sabha elections takes place in your area , What kind of promises are made by candidates who are participating in elections and also write down the merits and demerits of the elections.(Also write down the participants and their party names contesting elections in your area)
3. Make a file on importance of water resources and how can you spread awareness in the society and also what kind of initiative put by your family members and relatives for using resources in a judicious manner.

Subject: IT

Exploring Technology: A Summer IT Adventure

Objective:

The objective of this summer assignment is to introduce students to various aspects of Information Technology, including web development, programming, cybersecurity, and digital design. Through hands-on projects and research, students will gain practical skills and a deeper understanding of how technology impacts our daily lives.

1. Website Development :

Task: Create a minimum of three HTML pages (Home, About Your School, Stream Offered) for your school. Include images, links, and a contact form (optional).

Resources:

Online tutorials (e.g., Codecademy, W3Schools).

2. Cybersecurity Awareness :

Task: Research and create a presentation/report (LibreOffice Impress /Writer) on common cybersecurity threats and best practices. Identify and explain at least three cybersecurity threats (e.g., phishing, malware). Provide tips and strategies to stay safe online. Include real-life examples and case studies (optional).

Resources:

Online articles and reports (e.g., from reputable cybersecurity organizations), Cybersecurity awareness websites (e.g., StaySafeOnline.org).

Subject: AI

1. List any 10 applications that you are using in your daily life or experiencing in society and write their domains.
2. Search for the five career options in AI.
You have to choose any one out of them and explain why you selected it.
3. Watch the below documentaries:

<https://www.youtube.com/watch?v=1cKE12LK4Eo&t=382s>

Subject: Introduction to FMM

1. Analysis bank nifty ,write any 3 bank nifty shares .
2. Read the book the psychology of money and write the best 40 points of it.
3. Write 150 words about Importance of financial education in student life.
- 4.Visit the bank and write your experience.

Subject: Art

Assistant Details :-

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

