



ST. MARK'S SR. SEC. PUBLIC SCHOOL, JANAKPURI

SESSION 2024-25

SUMMER HOLIDAY HOMEWORK

CLASS : VII





Dear Students,

As we navigate through the digital era, we're introducing CANVA for your Holiday Homework assignments! CANVA is a graphic design platform that empowers you to create impressive visuals, presentations, posters, and more, all with just a few clicks. It's like having your own design studio at your fingertips, where you can let your imagination run wild. By using Canva, we're diving into the digital age headfirst, exploring new ways to communicate ideas and showcase our work. So get ready to unleash your inner designer and make your holiday homework shine with Canva – let's turn learning into a work of art!"

English

H₂O



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TASK 1

Choose an English Movie:-

- The Canterville Ghost
- Life of Pi
- Back to Future
- Christmas Story
- Home Alone Part 1
- Paddington
- Dog Gone
- Charlie Chocolate Factory



After watching the movie, Answer the following:-

- Who is your favourite character ?
- If you could change the plot of the story, how would you change?
(word limit 80-100)
- Mention 3 scenes in the movie that you liked the most. Paste pictures and describe it .

TASK 2

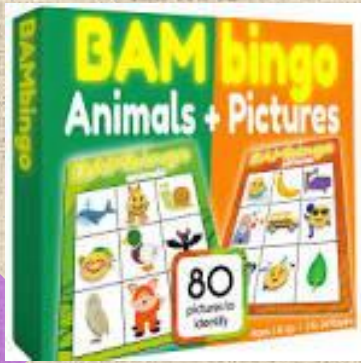
ENGLISH LITERARY BINGO

To make learning new vocabulary fun, students must create their own Bingo cards.

In total, each student has to make 10 flash cards of size 10x10 cm each.

One set of 5 cards will have 1 word on each card.

Another set of 5 cards will have the meaning/ definition of the words already written on flash cards



EXECUTION



Now, Bingo game will be played in class wherein the teacher will distribute the flash card with words on it among the students. The meaning/ definition will be read out loud. If the meaning/definition matches a word on their card, student marks the word on the flash card. The first student to get first 5 words in a row will be the winner of the game!!

autograph	the signature of a famous person
graffiti	pictures or words painted or drawn on a wall or building
graphite	a shiny, black substance that is used in pencils
paragraph	a part of a piece of writing that deals with one subject, begins on a new line, and is made up of one or more sentences
telegraph	the signature of a famous person

हिंदी

लिखें. पढ़ें. बोलें. गर्व करें.



H₂

CH

□ रंग अक्सर मनोदशा या भावनाओं को इंगित करते हैं और छात्रों के पास अक्सर रंगों की अलग-अलग व्याख्याएँ होती हैं। प्रदान किए गए टेम्पलेट का प्रयोग करते हुए छात्र वर्णन करेंगे कि प्रत्येक रंग को देखकर उन्हें कैसा महसूस होता है। इस गतिविधि को करने के लिए छात्र शब्दों के साथ चित्रों का प्रयोग करेंगे।



हिंदी साहित्य के अनेक प्रसिद्ध कहानीकार, उपन्यासकार एवं विचारक हुए हैं, जिन्होंने बच्चों के लिए बहुत-सी कहानियों की रचना की है। कुछ प्रसिद्ध कहानीकारों के नाम तथा उनकी प्रसिद्ध कहानियाँ इस प्रकार हैं -

- ❖ महादेवी वर्मा - नीलू
- ❖ जयशंकर प्रसाद - पुरस्कार
- ❖ मुंशी प्रेमचंद - पंच परमेश्वर, ईदगाह
- ❖ रबींद्रनाथ टैगोर - काबुलीवाला
- ❖ राम नरेश त्रिपाठी - एकलव्य
- ❖ सुदर्शन - हार की जीत
- ❖ भीष्म साहनी - चीफ़ की दावत
- ❖ भारतेन्दु हरिश्चंद्र - अंधेर नगरी



उपयुक्त वर्णित सभी कहानियों को पढ़ें तथा इनमें से अपनी किसी एक मनपसंद कहानी को अपने शब्दों में लिखें तथा उसका एक आकर्षक कवर पेज तैयार करें।

निर्देश

- कार्य स्क्रेप फाइल में करे।
- कहानी लिखते समय उसकी संक्षिप्तता पर ध्यान दें।
- कवर पेज का प्रस्तुतीकरण आकर्षक होना चाहिए।
- लिखते समय शुद्ध वर्तनी का ध्यान रखें।
- कार्य स्वच्छता से करें |



DESIGN
IS THINKING MADE VISUAL.



6*7=? $\sqrt{4}$ $A^2+B^2=C^2$ πR^2 ?

$2*2=4$ $\angle ABC$?

MATHEMATICS

$9^2=81$ $S=?$ $\angle ABC$ $4*8=?$ $6*\sqrt{36}$

$\pi=3,14$ $P=2*(A+B)$

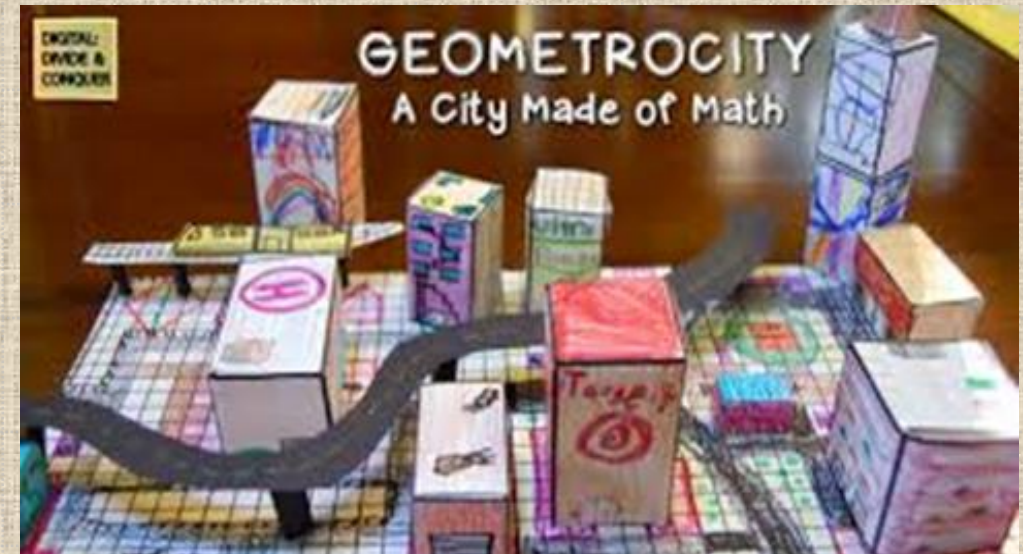
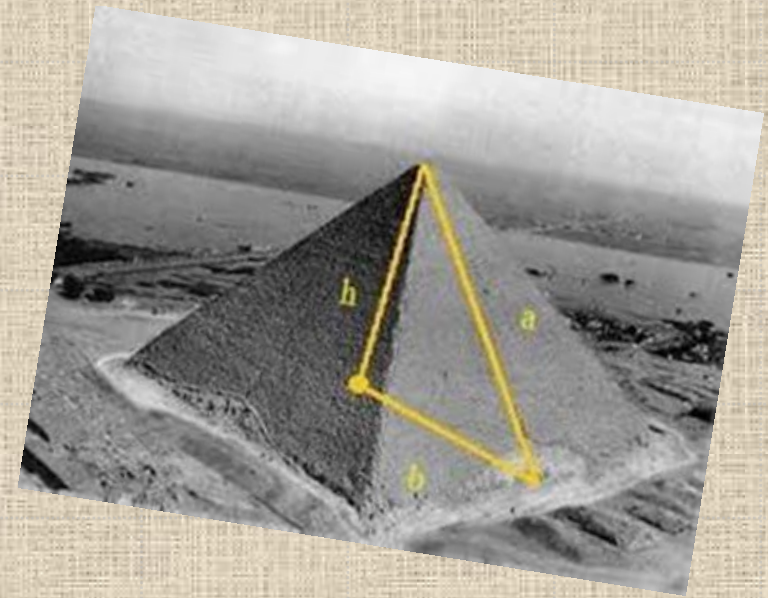
? 10 ? 3 7 1 5 2

TOPIC : DESIGN & INNOVATION

PREPARE A MODEL ON ANY ONE TOPIC FROM THE GIVEN LIST:

NOTE : Use Eco Friendly Material

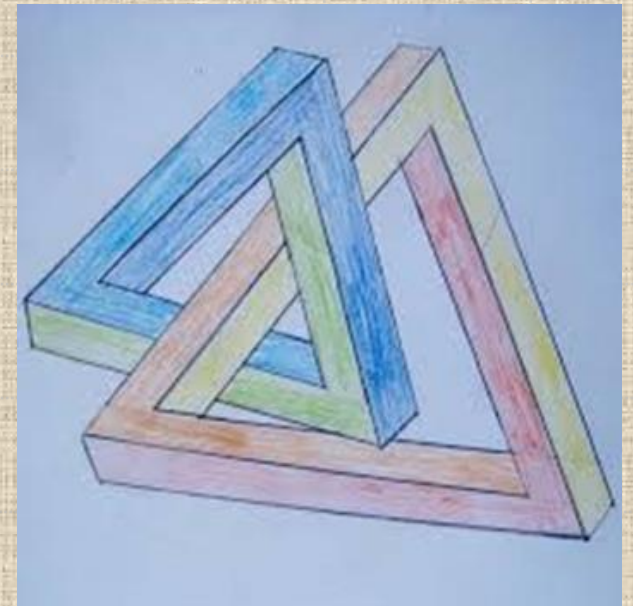
- ❑ **ARCHITECTURAL MARVELS:** Research and design your own architectural structures, such as bridges, skyscrapers, or stadiums. Use mathematical principles like geometry, proportions, and scale to create blueprints and models of these designs.
- ❑ **URBAN PLANNING :** Create your own city layouts, considering factors like population density, transportation systems, and green spaces. Use concepts like area, perimeter, and proportion to design an efficient and aesthetically pleasing cityscape.



INNOVATIVE PACKAGING DESIGN: Explore the world of product packaging by designing your own innovative packages for common items like snacks or school supplies. Use geometry, measurement, and optimization to create functional and visually appealing packaging solutions.



MATHEMATICAL ART GALLERY: Combine mathematics and art by creating geometric designs or tessellations. Explore symmetry, patterns, and transformations to design unique pieces of mathematical art .

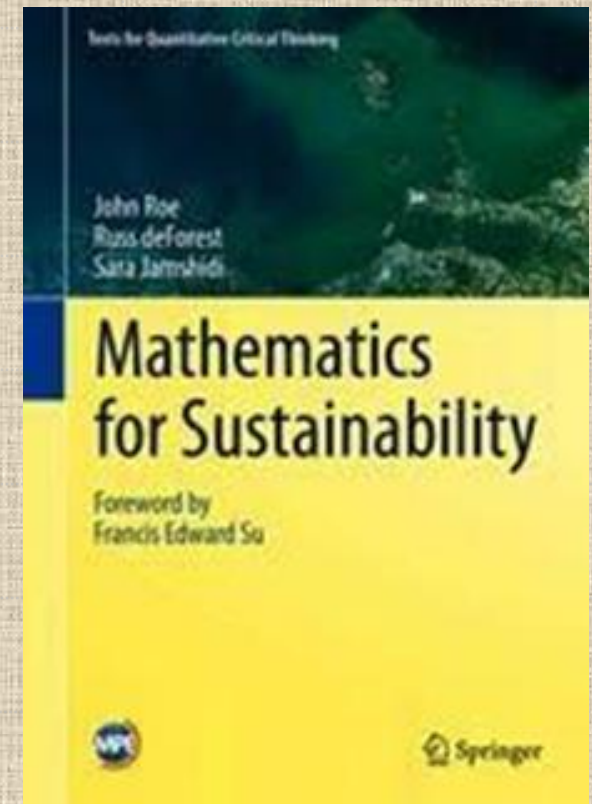


❑ **DESIGN YOUR OWN BOARD GAMES OR DIGITAL GAMES**, incorporating mathematical concepts like probability, Integers, Fractions, Equation etc. Use your own creativity and mathematical skills.



ENVIRONMENTAL SUSTAINABILITY PROJECT :

Investigate ways to promote environmental sustainability through design and innovation. Explore topics like renewable energy, waste reduction, or sustainable agriculture, using mathematical modelling and analysis.



MATHEMATICAL FASHION DESIGN : Explore the intersection of mathematics and fashion by designing your own clothing or accessories. Use concepts like symmetry, patterns, and measurement to create original and stylish designs.



COMMUNITY GARDEN PLANNING :

Design a community garden, considering factors like plant spacing, sunlight exposure, and water usage. Use mathematical calculations to plan the layout and optimize the use of space for maximum yield.

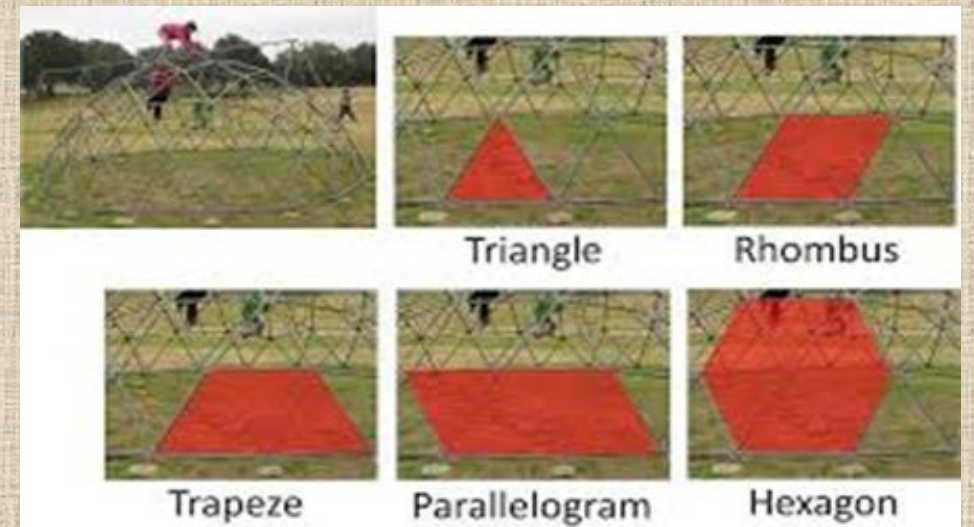


ROBOTICS CHALLENGE : Design and program robots to complete specific tasks . Use mathematics and Physics to build and control the robots effectively.



MATHEMATICAL PLAYGROUND DESIGN :

Design your own playgrounds, incorporating mathematical concepts like symmetry, angles, and proportions. Consider factors like safety, accessibility, and play value to create engaging and inclusive play spaces.



DESIGN
IS THINKING MADE VISUAL.



TOPIC : DESIGN & INNOVATION

INNOVATIVE DESIGN: BUILDING ECO-FRIENDLY HOMES WITH SUSTAINABLE SOUNDPROOFING AND THERMAL INSULATION

OBJECTIVE:

In today's world, where environmental sustainability is becoming increasingly important, the demand for eco-friendly housing solutions is on the rise. Designing this model will explore the innovative design principles behind constructing environmentally conscious homes that not only prioritize sustainability but also integrate effective soundproofing and thermal insulation techniques for a comfortable living experience

SUSTAINABLE BUILDING MATERIALS

Utilization of recycled and renewable materials such as reclaimed wood, bamboo, cork for the construction of walls, floors, and roofs. Incorporation of eco-friendly insulation materials like sheep's wool, and recycled denim to minimize energy consumption and reduce carbon footprint. Orientation of the house to maximize natural light exposure while minimizing heat gain or loss, reducing the need for artificial lighting and heating/cooling systems.

Implementation of shading devices such as overhangs, louvers, and awnings to control solar heat gain during hot seasons, promoting natural cooling and reducing reliance on air conditioning. High-performance Windows and Doors:



INSTALLATION OF ENERGY-EFFICIENT WINDOWS AND DOORS

With double or triple glazing, low-emissivity coatings, and insulated frames to minimize heat transfer and enhance thermal comfort. Integration of soundproofing features to mitigate external noise pollution and create a peaceful indoor environment.



GREEN ROOFS AND LIVING WALLS

Adoption of green roof systems composed of vegetation and soil layers to improve insulation, absorb rainwater, mitigate urban heat island effects, and promote biodiversity. Incorporation of living walls or vertical gardens on exterior surfaces to enhance thermal regulation, purify the air, reduce noise pollution, and enhance aesthetic appeal.



SMART HOME TECHNOLOGIES



Integration of smart home automation systems for energy management, allowing to monitor and control lighting, heating, and cooling remotely for optimal energy efficiency. Implementation of soundproofing technologies such as sound-absorbing panels, acoustic baffles, and resilient channels to minimize sound transmission between rooms and from external sources



By embracing innovative design strategies that prioritize sustainability, soundproofing, and thermal insulation, eco-friendly homes can offer occupants a harmonious blend of comfort, efficiency, and environmental responsibility. Through thoughtful planning and utilization of eco-conscious materials and technologies, these homes pave the way towards a greener, quieter, and more sustainable future for residential living.



ALTERNATIVELY, CHOOSE ANY ONE OF THE FOLLOWING TOPICS:

- Science Innovation model in the field of agriculture.
- Science innovation model in transportation and communication.
- Science Innovation model in space technology.
- Prepare chemical free cosmetic items at home.
- Prepare robots using ARTIFICIAL INTELLIGENCE (AI).



GLOBAL ISSUES RESEARCH PROJECT

Objective

Carry a research on any one of the following global issues, analyze its causes and effects, and propose potential solutions.

- **Climate Change**
- **Wars and Conflicts**
- **Water Contamination**
- **Poverty**
- **Access to Food & Hunger**
- **Environmental Degradation**
- **Gender Inequality**

INSTRUCTIONS

Topic Selection (Day 1):

- Choose a global issue of interest.

Research (Days 2-5):

- Gather information from reliable sources (causes, impacts, and current efforts to address it)

Analysis (Days 6-8):

- Identify key themes and patterns in the research.

Solution Exploration (Days 9-11):

- Brainstorm potential solutions to the issue.

Presentation Preparation (Days 12-14):

- Prepare a presentation summarizing research and proposed solutions.

Presentation and Reflection (Day 15):

- Present findings and reflect on the project.

ASSESSMENT:

- **Research quality**
- **Critical thinking**
- **Presentation skills**
- **Collaboration**

NOTE : The Homework needs to be submitted in the form of Presentation made using the digital tool 'CANVA'.

French





À L'ORIGINE DESSINÉ PAR KH27S.DEVIANTART.COM
TRADUIT EN FRANÇAIS PAR A@Welch (BUNNIE BUNGO.DEVIANTART.COM)
BASÉ SUR LA SÉRIE ORIGINALE DESSINÉE DE GOSCINNY ET LUDERZO-
DÉDIÉ À LA MÉMOIRE DE RENÉ GOSCINNY ET JACQUES MOREL

□ DESIGN A COMIC STRIP:

For this task, you will need to create a one-page comic strip in French. Let your imagination run wild to come up with a funny or interesting story. Make sure to include French dialogue in each panel of the comic strip.



❑ PASTE PICTURES DEPICTING 10 FRENCH PREPOSITIONS:

Search for and print out pictures that illustrate 10 different French prepositions. Then, for each picture, create a sentence in French using the corresponding preposition. This will help you understand and use prepositions in context



Dans



Devant



Sur



Derrière



Entre



Sous



À côté de



À droite de



À gauche de



संस्कृतम्

संस्कृत

पञ्चतन्त्रस्य कामपि एकां कथां चित्रसहितं संस्कृतभाषायां लिखत।

यथा-





CANVA PAGE LINK

<https://www.canva.com/>

YOUTUBE TUTORIAL LINK FOR USING CANVA

<https://www.youtube.com/watch?v=J0jE0OsF1zo>