

## MUKAND LAL PUBLIC SCHOOL, SARAJINI COLONY YNR

AFFILIATION NO:- 530294 SCHOOL CODE :- 40279

Website : [www.mlpschool.edu.in](http://www.mlpschool.edu.in) Contact No:- 01732-250092, 257513

# *Holidays Home Work*

## Class: VII

### Session ( 2025-26)



Dear Children

Greetings

Summer vacations are always exciting and overwhelming. Isn't it so? This is the time to take a break from the set routine, explore new interests, hobbies and reconnect with the loved ones.

During vacation you must engage in activities that stimulate your curiosity, broaden your horizons and expand your knowledge. Read books that ignite your creativity. Challenge yourself to learn something new, push your boundaries- whether it's learning a musical instrument, mastering a new sport or developing artistic skills, this is your time to shine and unlock your full potential.

Take care of your health. Go for a walk every day . Do exercise. Help your parents in household chores. Show that you care for them. Spend quality time with your grandparents. Listen to the beautiful stories of their past. Learn games that they used to play.

Above all, have fun! laugh, play, and enjoy the freedom that comes with this vacation.

A very creative and interesting holidays homework has been assigned to each one of you. Use your creativity to complete the projects given. Use eco friendly material. **USE OF THERMOCOL SHEETS OR PLASTIC SHEETS WILL NOT BE ACCEPTED AT ALL.** These projects will be assessed for internal grades and the best ones will be displayed in the annual exhibition.

Enjoy summer break to the fullest and bounce back to school with renewed energy, enthusiasm and a treasure trove of beautiful memories.

Happy Holidaying!!!

Principal



## ENGROSSING ENGLISH

**Common for all**

**In order to enhance the communication and reading skills of students:-**

1. Go through the Pdf shared with you and practice the vocabulary words.
2. Read the following books:-
  - a) The Blue Umbrella- Ruskin Bond
  - b) Matilda- Roald Dahl

### **TOPIC- Media and Culture**

**Instructions-** Use Hand made sheet, coloured charts, cardboard, decorative materials in order to make your work impressive

#### **Roll Number- 1 to 8**

- 1 .Make a Pie- Chart on influence of media on culture. You can use categories like social media, TV and films, music, advertising, news media and video games and digital media.
2. Make a poster on: From folk stories to modern times. You can use the tagline storytelling has been the heart of culture.

#### **Roll Number- 9 to 16**

- 1 .Prepare two Banners on the theme- ‘ Celebrate diversity, celebrate culture.
2. Make a wall hanging on role of AI in creative media.

#### **Roll Number- 17 to 24**

- 1 .Make a Venn diagram on English vs. Other Diplomatic Languages Compare English with languages like French, Arabic, or Spanish in diplomatic use.
- 2 .Make two Pamphlets on how social media affects our daily life

## Roll Number- 25 to 32

1. Make a flowchart on how English Connects Countries

Hints: Different Languages → Use English → Shared Understanding → Peaceful Cooperation

2. Make a Poster on Media's role in preserving culture. You can use the tagline Media- Bridging the past, present and future of culture

## Roll Number- 33 to 43

1. Make a Venn diagram on Benefits vs. Challenges of Using English in Diplomacy

Visualize the advantages (clarity, access) versus limitations (language barriers, cultural nuances).

2 .Create a timeline showing how English rose to prominence after World War I

Use Historical events, treaties and key international conferences.

## हर्षाति हिंदी

### अनुक्रमांक 1 से 8

- रामायण महाकाव्य के सात काण्डों को चित्र सहित संक्षिप्त विवरण के साथ प्लैश कार्ड के माध्यम से प्रस्तुत कीजिए

### अनुक्रमांक 9 से 16

- रामायण ग्रंथ के सुंदरकांड से किन्हीं चार चौपाइयों को चार्ट पर सुंदर लेखन के साथ प्रस्तुत कीजिए

### अनुक्रमांक 17 से 24

- रामायण से संबंधित नैतिक प्रेरणा से युक्त किसी अनभिज्ञ घटना या प्रसंग को परियोजना कार्य के रूप में प्रस्तुत कीजिए।

### अनुक्रमांक 25 से 32

- डिजिटल इंडिया विषय पर स्वरचित कविता A4 शीट पर प्रस्तुत कीजिए

### अनुक्रमांक 33 से 42

- विज्ञान एवं तकनीक के क्षेत्र में विभिन्न नवीन कार्य हुए है किन्हीं दो कार्यों की जानकारी संकलित कीजिए तथा शोध पत्र के रूप में प्रस्तुत कीजिए।



# MAJESTIC MATHEMATICS

## Roll Number- 1 to 7

"Designing Tomorrow with 3D Sustainability" Construct a model on Smart Sustainable City showcasing various 3D geometric shapes such as cubes, spheres, cones, cylinders, and pyramids. Use materials like cardboard, nets of 3D shapes, paper, sticks, or clay to make your model.

## Roll Number- 8 to 14

"Green Investments: Sector-Wise Distribution" -Compare and contrast the investment opportunities in different sectors like clean energy, transport, digital infrastructure, clean water and sanitation which are pivotal for India's sustainable development trajectory. Make a model of Bar graph on the same using cardboard sheets, colored papers, wastem material etc.

## Roll Number- 15 to 21

"Sustainable Development: A Balanced Approach" Construct a model of Venn diagram showing how true sustainability lies in the balance between three key pillars: Environment, Economy, and Society. Only when these three intersect we can ensure a future that is green, inclusive, and prosperous.

## Roll Number- 22 to 28

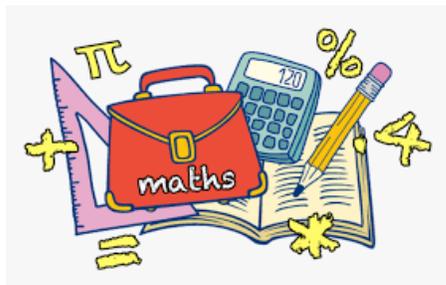
Create flash cards using different geometrical shapes to represent each of the 17 SDGs. Each card should include the SDG number, title, a symbol or drawing, and a short description. Use shapes like circles, triangles, and hexagons, and mention their properties too. Learn how math and sustainability go hand in hand!

## Roll Number- 29 to 35

Energy Consumption & Solar Panel Efficiency Model Design a model of a house with a rooftop solar panel using cardboard or eco-friendly materials. And then Calculate the area of the rooftop solar panel (e.g., Length  $\times$  Breadth). Use average solar panel efficiency (e.g., 15–20%) to estimate how much energy it generates per day and then Compare this energy to an average household's daily energy consumption (in kWh).

## Roll Number- 36 to 42

Waste Management & Pie Chart Model- Survey or use estimated data of daily household waste (organic, plastic, paper, etc.) Create a 3D pie chart showing proportions of different waste types . Show how segregation improves recycling efficiency.

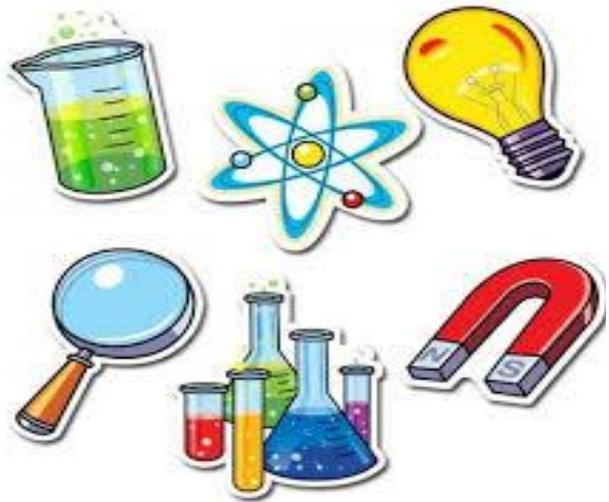


# STIMULATING SCIENCE

## Common for all

1. Research and write a short report on Eco Friendly Transport system. Also explain how Science and Technology is involved in it.

2. Suppose that due to some problem, power supply is disrupted in your area for two days. List out which actions from our daily life you would not be able to do.



### R. No. 1-5

- Make a model of Smart Dustbin using sensors.

### R. No. 6-10

- Make a working model of solar system.

### R. No. 11-15

- Make a working model of 3D Hologram Projector by using cardboard box, transparent plastic sheet and smartphone.

### R. No. 16-20

- Make a model of Eco Track: Pollution Monitoring and Alert System.

### R. No. 21-25

- Make a Flood Alert Bridge model (Smart Bridge).

### R. No. 26-30

- Prepare biodegradable plastic from corn starch.

### R. No. 31-35

- Make a model explaining disaster management: Magnetic House that remains safe during an earthquake.

### R. No. 36-40

- Make a model of Automatic Street Lights using an LDR

# SIGNIFICANT SOCIAL SCIENCE

## R.No.1-21

- Visit a local monument site of your city (Chaneti Buddhist Stupa) and share your personal experiences along with photographs. Also mention the condition of that structure and ways to protect the site.

## R. No. 21-42

- Visit a Fort of Buria and Rangmahal and share your personal experiences about its History along with photographs. Mention it's present condition and ways to protect this historical site.

## ROLL NO.1 to 5

- Make a model of WATER FILTRATION SYSTEM:---Using sand, gravel,rocks,activated charcoal,cotton balls.

## ROLL NO.6 to10

- Make a model of WIND TURBINE MODEL:- using Card board,Paper for blades and structure,a small motor and wires.

## ROLL NO.11 to 15

- Make a model of ENERGY EFFICIENT LIGHTNING:-using LEDs

## ROLL NO 16 to 20

- Make a model of RAIN WATER HARVESTING:-using :--Rain barrels,plastic sheeting,pipes,storage tanks and filters

## ROLL NO 21 to 25

- Make a model of HYDROPONIC GARDEN:--using plants,a container,water,a way to anchor the plants,nutrients and a light source.

## ROLL NO 26 to 30

- Make a model of
- SOLAR OVEN:--using plastic wrap,scissors,tape,black construction paper

## ROLL NO. 31 to 35

- Make a model of GREEN ROOF MODEL:-- using a water proof barrier,a root barrier,drainage materials,plants

## ROLL NO.36 to 42

- Make a model of WATER CONSERVATION:- using cardboard,plastic sheets,pipes,straws and a storage container

# AMAZING ARTIFICIAL INTELLIGENCE

Roll No. 1 to 15

**"My AI Assistant" - Design and Storytelling:-** Understanding what AI assistants do, their uses, and how they learn.

**Hints:** Design Your AI Assistant: Students have to imagine and create their own AI assistant (like Siri, Alexa, or Google Assistant). An imaginative drawing of their AI assistant including a list of its functions, a short explanation of how it learns, and a short story.

## Elements to Include:

- What would it look like? Give it a name. Draw it!
- What Does It Do? List 3-5 tasks their AI assistant would be really good at (e.g., helping with homework, telling stories, playing games, translating languages, reminding them of things).
- How Does It Learn? Explain in simple terms how their AI assistant would get smarter over time. (e.g., "It learns from the questions I ask," "It gets better at recognizing my voice," "It remembers my preferences.")
- A Day with My AI: Write a short story (5-10 sentences) about a typical day where they use their AI assistant and how it helps them.

Roll no. 16 to 30

**"AI in My Daily Life" :-** Identifying everyday examples of AI and understanding its applications. Make a list of 5+ AI examples from their daily life with a short explanation for each, and their opinion on its helpfulness.

## Hints:-

- Students have to observe their surroundings (home, school, shops, TV shows, etc.) and identify things they think might be using some form of Artificial Intelligence.
- Create a list of at least 5 examples.
- How Does It Use AI? For each example, briefly explain how they think AI is being used. (e.g., "Smartphones: for face recognition," "YouTube: for recommending videos," "Video Games: for enemy behavior," "Smart Home Devices: for controlling lights with voice.")
- Is it Helpful? For each example, state whether they think the AI is helpful or not, and why.

Roll no. 30 onwards

**"AI Robot Storyboard" -** Thinking about how AI can solve real-world problems and the ethical considerations. Students have to imagine and draw a robot, a short description of how it works, and a 3-4 panel storyboard.

## Hints-

- Choose a Problem: Students have to identify a small problem in their community or home (e.g., traffic jams, waste management, helping elderly people, keeping plants watered, finding lost items).
- Design an AI Robot: Design a robot that uses AI to solve this problem. Draw the robot.

- How Does it Work? Describe how the robot would use AI to solve the chosen problem. (e.g., "It uses cameras to detect traffic," "It uses sensors to know when plants need water.")
- Storyboard a Solution: Create a simple 3-4 panel comic strip or storyboard showing their AI robot in action, solving the problem. Include simple captions.

## ARTISTIC ARTS

- Candle stand with rope for boys



- Wall decor with jute for girls



## AIL PROJECTS

- \*Global warming is a major threat to the existence of many species on the earth.
- \*Describe the causes of Global warming and Climate change.
- \*Mention the landforms on World Map using different colours, which are getting affected by Global warming and Climate change.
- \*Make a pictorial bar graph, using colours, of change in the temperature because of Global warming and Climate change during last 5 years
- \*Write at least five slogans in Hindi and English each along with the poster on Global warming and Climate change

# EBSB PROJECTS

Haryana is a pairing state of Manipur under the project Ek Bharat Shreshtha Bharat. Let's get acquainted with our partner state Manipur.

MUKAND LAL PUBLIC SCHOOL, SAROJINI COLONY, YAMUNANAGAR

EK BHARAT SHRESHTHA BHARAT Project Session 2025-26

Name of Project: \_\_\_\_\_

Name of Student: \_\_\_\_\_ Name of Class Incharge: \_\_\_\_\_

Roll No. \_\_\_\_

Class & Section \_\_\_\_\_

Signature of Class Incharge: \_\_\_\_\_



Page 1

Make a colourful & beautiful map of state of Manipur showing all districts.

2nd Page

Name of the state: Manipur

Capital: \_\_\_\_\_

No. of Districts: \_\_\_\_\_

Official language: \_\_\_\_\_

Literacy rate: \_\_\_\_\_

Sex ratio: \_\_\_\_\_

Largest river:: \_\_\_\_\_

Largest fresh water lake:: \_\_\_\_\_

Cash crops: \_\_\_\_\_

Major religions: \_\_\_\_\_

National highway: \_\_\_\_\_

Martial art: \_\_\_\_\_

Ancient musical instrument: \_\_\_\_\_



Average annual rainfall: \_\_\_\_\_

- Write the Anthem of Manipur. Explain the meaning of the same in English or Hindi.
- Write in short how did Manipur get its name.

Roll no 1-30

➤ Make a 3 D model of famous temple of Manipur-

- R. No. 1-5 Shree Govindajee Temple
- R. No. 6-10 Sanamahi Temple
- R. No. 11-15 Kaina Temple
- R. No. 16-20 Bijoy Govinda Temple
- R. No. 21-25 Krishna Temple, Nambol
- R. No. 26-30 Ima Keithel Sanamahi Temple.



Roll no 31-42

➤ Make beautiful Manipuri dolls.

